

The University of Toledo Research and Sponsored Programs
 FY 2021 Awards By College and Department

Proposal # **Public Title**
Budget Period *Sponsor(s)*

Arts and Letters, College of

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
English, Department of						
N-127562-01-I01	Assessment, Accreditation and Faculty Development	No	\$9,000	\$0	\$9,000	\$0
<i>7/1/20 to 7/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Schneider, Barbara J.	English, Department of	0			
PI/PD	Toole, Amy P.	Chemistry and Biochemistry, Department of	100			
Co-I	Bartell, Denise Susan	Honors Program				
Sum of Department (English, Department of) Award Count: 0.00						\$0
Geography and Planning, Department of						
C-124355-05	Support for the UT Urban Affairs Center	No	\$36,364	\$3,636	\$40,000	\$40,000
<i>7/1/20 to 6/30/22 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Shetty, Sujata	Geography and Planning, Department of	100			
C-124355-05-I01	Support for the UT Urban Affairs Center	No	\$4,545	\$455	\$5,000	\$5,000
<i>3/31/21 to 6/30/22 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Shetty, Sujata	Geography and Planning, Department of	100			
C-125107-06-I01	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$1	\$0	\$1	\$1
<i>1/4/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	80			
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of	10			
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of	10			
C-125107-06-I02	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$379,767	\$191,782	\$571,549	\$457,239
<i>1/4/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	80			
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of	10			
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of	10			

Arts and Letters, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Geography and Planning, Department of						
N-128873-01	Village of Marblehead, OH Village Manager Feasibility Project	No	\$3,182	\$318	\$3,500	\$1,155
<i>3/1/21 to 7/31/21</i>	<i>Village of Marblehead</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Boden, Daniel Paul	Urban Affairs Center		67		
Co-I	Shetty, Sujata	Geography and Planning, Department of		33		
Co-I	Wang, Qun	Political Science and Public Administration, Department of				
N-129106-01	Dollar and Small-Box Stores in Toledo	No	\$2,494	\$249	\$2,743	\$2,743
<i>5/15/21 to 12/31/21</i>	<i>City of Toledo</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Shetty, Sujata	Geography and Planning, Department of		100		
Co-I	Hammel, Daniel J.	Geography and Planning, Department of				
R-125107-06	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$664,451	\$335,548	\$999,999	\$799,999
<i>1/4/21 to 12/31/21</i>	<i>National Aeronautics and Space Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of		80		
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of		10		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of		10		
		Sum of Department (Geography and Planning, Department	Award Count: 5.73			\$1,306,137
Political Science and Public Administration, Department of						
N-128873-01	Village of Marblehead, OH Village Manager Feasibility Project	No	\$3,182	\$318	\$3,500	
<i>3/1/21 to 7/31/21</i>	<i>Village of Marblehead</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Boden, Daniel Paul	Urban Affairs Center		67		
Co-I	Shetty, Sujata	Geography and Planning, Department of		33		
Co-I	Wang, Qun	Political Science and Public Administration, Department of				
		Sum of Department (Political Science and Public Administr	Award Count:			
Psychology, Department of						

Arts and Letters, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Psychology, Department of							
C-125299-05	Study of Early Brain Alterations that Predict Development of Chronic PTSD		No	\$474,833	\$183,897	\$658,730	
<i>7/1/20 to 6/30/22</i>	<i>National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of			89		
Co-I	Brickman, Kristopher R.	Surgery, Department of					
Co-I	Elhai, Jon D.	Psychology, Department of					
Co-I	Rappport, Daniel J.	Psychiatry, Department of					
Co-I	Tull, Matthew T.	Psychology, Department of					
Co-I	Xie, Hong	Neurosciences, Department of			10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1		
C-127070-02	Mapping treatment components to targets in dialectical behavior therapy		No	\$18,571	\$9,193	\$27,764	\$27,764
<i>1/1/21 to 12/31/21</i>	<i>National Institute of Mental Health through University of Massachusetts Amherst</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Gratz, Kim L.	Psychology, Department of			100		
C-127569-02	Developing new strategies to inhibit the nocebo effect		No	\$15,226	\$0	\$15,226	\$15,226
<i>1/1/21 to 12/31/22</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Geers, Andrew	Psychology, Department of			100		
C-127608-02	Predictors of Parents' Feeding Behaviors: A Dyadic Perspective		No	\$61,761	\$16,829	\$78,590	\$78,590
<i>9/1/20 to 8/31/22</i>	<i>National Institute of Child Health & Human Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tan, Cin Cin	Psychology, Department of			100		
C-127818-02	Effects of Classical Music as a Component of Psychotherapy for Clients Diagnosed with PTSD		No	\$21,460	\$0	\$21,460	\$21,460
<i>7/1/20 to 6/30/21</i>	<i>Toledo Alliance for the Performing Arts</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tull, Matthew T.	Psychology, Department of			50		
Co-I	Rose, Jason P.	Psychology, Department of			50		
N-128101-01	The Development of Eating Behavior in Infancy: Associations with Behavior, Diet, and Growth to Age 6 years		No	\$10,175	\$5,138	\$15,313	\$15,313
<i>9/30/20 to 7/31/21</i>	<i>National Institutes of Health through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tan, Cin Cin	Psychology, Department of			100		

Arts and Letters, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Psychology, Department of						
N-128617-01	Adolescent Anxiety in Relation to Gender Dysphoria, Nonconformity and the Family Environment	No	\$3,000	\$0	\$3,000	\$3,000
<i>9/1/20 to 8/31/21 Psi Chi</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Francis, Sarah Elizabeth	Psychology, Department of		100		
S-125299-05-S1	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$190,088	\$103,598	\$293,686	
<i>4/28/21 to 6/30/22 National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		80		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		20		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of				
Sum of Department (Psychology, Department of)					Award Count: 6.00	\$161,353
Sociology and Anthropology, Department of						
N-128026-01	Toledo Tinkers	No	\$7,500	\$750	\$8,250	\$8,250
<i>2/2/21 to 2/2/24 Institute of Museum and Library Services through Imagination Station</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Peralta, Karie Jo	Sociology and Anthropology, Department of		100		
Sum of Department (Sociology and Anthropology, Department of)					Award Count: 1.00	\$8,250
Sum of College (Arts and Letters, College of)					Award Count: 12.73	\$1,475,740

Business And Innovation, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Dean-Business College						
N-128802-01	IPA for Hollie --SEC	No	\$270,169	\$0	\$270,169	\$270,169
<i>9/10/19 to 7/31/20 u.s. Securities and Exchange</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Hollie, Dana Y.	Dean-Business College		100		
Sum of Department (Dean-Business College)					Award Count: 1.00	\$270,169
Information Operations and Technology Management						

Business And Innovation, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Information Operations and Technology Management						
N-127861-01	Digital Twin Reinforcement Learning Project	No	\$99,668	\$50,332	\$150,000	\$60,000
<i>5/20/21 to 5/21/23</i>	<i>U.S. Department of Energy through Lawrence Livermore National Laboratory</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	McCreary, William N.	Information Operations and Technology Management			40	
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of			20	
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of			20	
Co-I	Sun, Weiqing	Engineering Technology, Department of			20	
Sum of Department (Information Operations and Technolog)					Award Count: 0.40	\$60,000
Marketing & International Business						
N-128843-01	Professional Sales Initiative	No	\$50,000	\$0	\$50,000	\$5,000
<i>1/1/21 to 12/31/21</i>	<i>3M Company</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	McKether, Willie L.	Diversity & Inclusion			90	
Co-I	Johnson, Catherine Margaret	Marketing & International Business			5	
Co-I	Pullins, Ellen M. Bolman	Marketing & International Business			5	
Sum of Department (Marketing & International Business)					Award Count: 0.10	\$5,000
Sum of College (Business And Innovation, College of)					Award Count: 1.50	\$335,169

Diversity & Inclusion

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Diversity & Inclusion						
N-128764-01	BGC Funding Pool Grant	No	\$28,800	\$0	\$28,800	\$28,800
<i>11/1/20 to 6/30/21</i>	<i>JumpStart through Toledo Area Chamber of Commerce</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Urrutia, Mark	Diversity & Inclusion			100	
N-128767-01	MBAC Neighborhood Entrepreneurship Partnership	No	\$5,000	\$0	\$5,000	\$5,000
<i>11/1/20 to 10/31/21</i>	<i>KeyBank Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Urrutia, Mark	Diversity & Inclusion			100	

Diversity & Inclusion

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Diversity & Inclusion						
N-128843-01	Professional Sales Initiative	No	\$50,000	\$0	\$50,000	\$45,000
<i>1/1/21 to 12/31/21</i>	<i>3M Company</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McKether, Willie L.	Diversity & Inclusion		90		
Co-I	Johnson, Catherine Margaret	Marketing & International Business		5		
Co-I	Pullins, Ellen M. Bolman	Marketing & International Business		5		
Sum of Department (Diversity & Inclusion)				Award Count: 2.90		\$78,800
Sum of College (Diversity & Inclusion)				Award Count: 2.90		\$78,800

Education - Judith Herb College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Curriculum and Instruction, Department of						
C-125107-06-I01	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$1	\$0	\$1	\$0
<i>1/4/21 to 12/31/21</i>	<i>National Aeronautics and Space Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of		80		
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of		10		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of		10		
C-125107-06-I02	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$379,767	\$191,782	\$571,549	\$57,155
<i>1/4/21 to 12/31/21</i>	<i>National Aeronautics and Space Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of		80		
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of		10		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of		10		
C-125284-06	Northwest Ohio High Schools That Work/Making Middle Grades Work	No	\$403,262	\$20,163	\$423,425	\$423,425
<i>7/1/20 to 6/30/21</i>	<i>Ohio Department of Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wilson, Kathy S.	Curriculum and Instruction, Department of		96		
Co-I	Landversicht, Eric D.	Curriculum and Instruction, Department of		4		

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Curriculum and Instruction, Department of						
N-128199-01	NURTURING STEM in Early Childhood for Military Connected Families	No	\$2,339,654	\$660,346	\$3,000,000	\$150,000
<i>9/15/20 to 9/14/23 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	90			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of	5			
Co-I	Molitor, Scott C.	Bioengineering, Department of	5			
R-125107-06	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$664,451	\$335,548	\$999,999	\$100,000
<i>1/4/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	80			
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of	10			
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of	10			
R-126554-04	Tech Prep Pathways Grant	No	\$440,992	\$0	\$440,992	\$440,992
<i>7/1/20 to 6/30/21 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wilson, Kathy S.	Curriculum and Instruction, Department of	96			
Co-I	Landversicht, Eric D.	Curriculum and Instruction, Department of	4			
		Sum of Department (Curriculum and Instruction, Departme			Award Count: 2.35	\$1,171,572
Dean-Education						
C-126496-02	Ohio Innovations Grant--P-16 Pathways of Promise (P3)	No				
<i>7/1/19 to 6/30/21 Ohio Department of Higher Education through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Romer, Terence G.	Med Microbiology & Immunology, Department of				
PI/PD	Witte, Raymond	Dean-Education	100			
D-126496-02	Ohio Innovations Grant--P-16 Pathways of Promise (P3)	No	\$(50,116)	\$0	\$(50,116)	\$(50,116)
<i>5/16/21 to 6/30/21 Ohio Department of Higher Education through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Witte, Raymond	Dean-Education	100			
N-129102-01	Psychometric Investigation of Teacher Beliefs and Practices Survey	No	\$17,388	\$2,608	\$19,996	\$9,998
<i>5/17/21 to 8/31/21 Chan Zuckerberg Initiative through Harvard University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Toland, Michael	Dean-Education	50			
Co-I	Kumar, Revathy	Educational Foundations and Leadership	50			
		Sum of Department (Dean-Education)			Award Count: 2.50	\$(40,118)

Early Childhood, Physical, and Special Education

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Early Childhood, Physical, and Special Education						
C-125940-05	Project Open House-Better Child Care for the Student with Developmental Disabilities	No	\$45,453	\$4,545	\$49,998	\$49,998
1/1/21 to 12/31/21	Administration for Children and Families through Ohio Developmental Disabilities Planning Council					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education			50	
Co-I	McInerney, William F.	Early Childhood, Physical, and Special Education			50	
C-127201-03	Great Start Higher Education (GSHE)	No	\$138,889	\$11,111	\$150,000	\$150,000
11/1/20 to 10/31/21	U.S. Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education			100	
Co-I	McInerney, William F.	Early Childhood, Physical, and Special Education				
C-127788-02	Project Prepare	No	\$229,301	\$18,344	\$247,645	\$123,823
10/1/20 to 9/30/21	U.S. Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education			50	
Co-I	Metz, Alexia E.	Occupational Therapy Program			50	
N-128324-01	Ohio School Leaders Professional Development Grant	No	\$45,455	\$4,545	\$50,000	\$50,000
1/1/21 to 6/30/21	U.S. Department of Education through Ohio Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education			100	
R-106314-22	CTE Teacher Preparation and Retention	No	\$95,238	\$4,762	\$100,000	\$100,000
7/1/20 to 6/30/21	U.S. Department of Education through Ohio Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Landversicht, Eric D.	Early Childhood, Physical, and Special Education			100	
		Sum of Department (Early Childhood, Physical, and Specia		Award Count: 4.50		\$473,821
Educational Foundations and Leadership						
N-129102-01	Psychometric Investigation of Teacher Beliefs and Practices Survey	No	\$17,388	\$2,608	\$19,996	\$9,998
5/17/21 to 8/31/21	Chan Zuckerberg Initiative through Harvard University					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Toland, Michael	Dean-Education			50	
Co-I	Kumar, Revathy	Educational Foundations and Leadership			50	
		Sum of Department (Educational Foundations and Leaders		Award Count: 0.50		\$9,998
		Sum of College (Education - Judith Herb College of)		Award Count: 9.85		\$1,615,272

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Administration, College of Engineering						
N-128199-01	NURTURING STEM in Early Childhood for Military Connected Families	No	\$2,339,654	\$660,346	\$3,000,000	\$2,700,000
<i>9/15/20 to 9/14/23 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	90			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of	5			
Co-I	Molitor, Scott C.	Bioengineering, Department of	5			
Sum of Department (Administration, College of Engineering) Award Count: 0.90						\$2,700,000
Bioengineering, Department of						
C-124228-07	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$75,472	\$24,528	\$100,000	\$100,000
<i>12/15/20 to 12/14/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
C-126326-04	Choose Ohio First	No	\$879,548	\$0	\$879,548	\$879,548
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Molitor, Scott C.	Bioengineering, Department of	100			
C-126328-04	Choose Ohio First	No	\$17,930	\$0	\$17,930	\$17,930
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Molitor, Scott C.	Bioengineering, Department of	100			
N-127707-01	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway	No	\$40,000	\$3,200	\$43,200	\$34,560
<i>8/17/20 to 7/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yildirim-Ayan, Eda D.	Bioengineering, Department of	65			
Co-I	Ayan, Halim	Bioengineering, Department of	10			
Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Department of	5			
Co-I	Pappada, Scott Michael	Medical Services 5	5			
Co-I	Rapino, Norman	Research & Sponsored Programs	10			
Co-I	Relue, Patricia Ann	Bioengineering, Department of	5			
N-128199-01	NURTURING STEM in Early Childhood for Military Connected Families	No	\$2,339,654	\$660,346	\$3,000,000	\$150,000
<i>9/15/20 to 9/14/23 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	90			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of	5			
Co-I	Molitor, Scott C.	Bioengineering, Department of	5			

Engineering, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Bioengineering, Department of							
N-128348-01	Development of Novel Inducers of Non-Apoptotic Cell Death to Target TNBC		No	\$999,942	\$422,817	\$1,422,759	\$42,683
<i>1/1/21 to 12/31/23</i>	<i>U.S. Department of Defense</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tiwari, Amit K.	Pharmacology & Experimental Therapeutics, Department of			88		
Co-I	Gunning, William T.	Pathology, Department of			3		
Co-I	Khuder, Sadik	Medicine, Department of			3		
Co-I	Raman, Dayanidhi	Cancer Biology, Department of			3		
Co-I	Tang, Yuan	Bioengineering, Department of			3		
N-129063-01	SONIC: Sensor Operations via Naturalistic Interactive Control		No	\$16,611	\$8,389	\$25,000	\$25,000
<i>4/1/21 to 9/30/21</i>	<i>U.S. Air Force through Aptima, Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Cameron, Brent D.	Bioengineering, Department of			100		
N-129089-01	NSF ICORPS: Biomimetic Engineered Space Technology (BEST) Platform		No	\$45,000	\$5,000	\$50,000	\$50,000
<i>6/1/21 to 11/30/21</i>	<i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Yildirim-Ayan, Eda D.	Bioengineering, Department of			100		
S-124228-06-S2	INTERN: Engineering Based Solutions for the Surgical Treatment of Spinal Imbalance/Deformity in Osteoporotic Patients		No	\$43,500	\$11,310	\$54,810	\$54,810
<i>7/1/20 to 6/30/21</i>	<i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of			100		
S-124228-06-S3	INTERN: Reverse Shoulder Joint Arthroplasty (rTSA) Project: characterizing the performance and durability of Reverse Total Shoulder Arthroplasty (rTSA) devices		No	\$43,500	\$11,310	\$54,810	\$54,810
<i>7/1/20 to 6/30/21</i>	<i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of			100		
S-124228-06-W10	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)		No	\$36,364	\$3,636	\$40,000	\$40,000
<i>1/1/21 to 12/31/21</i>	<i>Rosies Base, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of			100		

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Bioengineering, Department of						
S-124228-06-W5	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$18,182	\$1,818	\$20,000	\$20,000
<i>8/1/20 to 12/31/21 Spinal Solution Technologies</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
S-124228-06-W6	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$22,748	\$2,275	\$25,023	\$25,023
<i>11/1/20 to 10/31/21 National Science Foundation through University of California at San Francisco</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
S-124228-06-W7	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$18,182	\$1,818	\$20,000	\$20,000
<i>11/1/20 to 12/31/21 Spider Spine</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
S-124228-06-W8	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$4,545	\$455	\$5,000	\$5,000
<i>11/1/20 to 12/31/21 Spider Spine</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
S-124228-06-W9	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI)	No	\$15,094	\$4,906	\$20,000	\$20,000
<i>8/1/20 to 12/31/21 Spinal Solution Technologies</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
Sum of Department (Bioengineering, Department of)					Award Count: 13.88	\$1,539,364
Chemical Engineering, Department of						
C-125107-06-I01	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$1	\$0	\$1	\$0
<i>1/4/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	80			
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of	10			
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of	10			

Engineering, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemical Engineering, Department of						
C-125107-06-I02	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$379,767	\$191,782	\$571,549	\$57,155
<i>1/4/21 to 12/31/21</i>	<i>National Aeronautics and Space Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of		80		
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of		10		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of		10		
N-127837-01-I01	High Fidelity Simulations of Membrane Gas Separation Modules--Subproject No. 03	No	\$14,268	\$7,062	\$21,330	\$21,330
<i>8/19/19 to 12/31/21</i>	<i>U.S. Department of Energy through Oak Ridge Assoc Univs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of		100		
Stdnt Schol	Etiendem, Atabong Fontem					
N-127837-01-I02	High Fidelity Simulations of Membrane Gas Separation Modules--Subproject No. 03	No	\$5,747	\$2,845	\$8,592	\$8,592
<i>8/19/19 to 12/31/21</i>	<i>U.S. Department of Energy through Oak Ridge Assoc Univs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of		100		
Stdnt Schol	Etiendem, Atabong Fontem					
N-127837-01-I03	High Fidelity Simulations of Membrane Gas Separation Modules--Subproject No. 03	No	\$2,155	\$1,067	\$3,222	\$3,222
<i>7/24/19 to 12/31/21</i>	<i>U.S. Department of Energy through Oak Ridge Assoc Univs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of		100		
Stdnt Schol	Etiendem, Atabong Fontem					
N-127837-01-I04	High Fidelity Simulations of Membrane Gas Separation Modules--Subproject No. 03	No	\$10,799	\$5,345	\$16,144	\$16,144
<i>3/8/21 to 12/31/21</i>	<i>U.S. Department of Energy through Oak Ridge Assoc Univs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of		100		
Stdnt Schol	Etiendem, Atabong Fontem					
N-128102-01	Wet Wipes That Turn into Toilet Paper When Flushed	No	\$17,717	\$7,275	\$24,992	\$19,994
<i>12/1/20 to 11/30/21</i>	<i>U.S. Environmental Protection Agency</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lapitsky, Yakov	Chemical Engineering, Department of		80		
Co-I	Seo, Youngwoo	Civil & Environmental Engineering, Department of		20		
Stdnt Schol	Griffin, Michael Dwayne					
Stdnt Schol	Kendall, Reece Calvin					

Engineering, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemical Engineering, Department of						
N-128197-01	Testing Meadowfoam Seed Oil as a pigment dispersing agent	No	\$6,515	\$3,485	\$10,000	\$1,000
<i>7/1/20 to 12/31/20 Natural Plant Products, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	90		
	Co-I	Liberatore, Matthew Walter	Chemical Engineering, Department of	10		
N-128296-01	I-Corps: A Super-Sensitive Real-Time Sensor for Reactive Oxygen Species (ROS)	No	\$45,000	\$5,000	\$50,000	\$50,000
<i>8/1/20 to 12/31/21 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kim, Dong Shik	Chemical Engineering, Department of	100		
	Stdnt Schol	Farrell, Eveline J.				
N-128304-01	Research Initiation: Measuring mental demand of interactive textbooks using wearables and web analytics	No	\$132,722	\$67,278	\$200,000	\$60,000
<i>9/1/20 to 8/31/22 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	70		
	Co-PI	Liberatore, Matthew Walter	Chemical Engineering, Department of	30		
	Stdnt Schol	Crockett, Breanne Marie				
	Stdnt Schol	Hilsabeck, Tanner Vaughn				
N-128377-01	Natural Gas/Direct Air Capture Hybrid Plant	No	\$125,444	\$63,349	\$188,793	\$188,793
<i>1/1/21 to 3/31/22 U.S. Department of Energy through University of Pittsburgh</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100		
N-128563-01	NSF I-Corps Injectable Gel for Bone Healing	No	\$45,454	\$4,546	\$50,000	\$50,000
<i>8/15/20 to 12/31/21 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kim, Dong Shik	Chemical Engineering, Department of	100		
N-128754-01	OSGC SICHOP Grant: Biomimetic Composite Scaffold for Ligament Reconstructions	No	\$5,000	\$0	\$5,000	\$5,000
<i>11/1/20 to 10/31/21 Ohio Space Grant Consortium</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kim, Dong Shik	Chemical Engineering, Department of	100		
	Stdnt Schol	Hamil, Tajah Marie				
N-128996-01	Modular Designs for New Facilitated Transport Membranes in Olefin Production	No	\$83,048	\$41,939	\$124,987	\$124,987
<i>2/18/21 to 9/30/21 Idaho National Labs through Battelle Memorial Institute</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100		

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemical Engineering, Department of						
N-129057-01	Spacesuit Water Membrane Evaporator (SWME) Model Development and Data Evaluation	No	\$35,296	\$17,824	\$53,120	\$53,120
<i>6/16/21 to 10/16/22 National Aeronautics and Space Administration through Analytical Mechanics Associates, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of		100		
R-125107-06	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$664,451	\$335,548	\$999,999	\$100,000
<i>1/4/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of		80		
Co-I	Lipscomb, Glenn	Chemical Engineering, Department of		10		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of		10		
S-126633-01-S2	INTERN: Electrochemical Interaction of Nano-Cerium Oxide Composites with Hydroxyl Radicals	No	\$43,600	\$11,336	\$54,936	\$54,936
<i>7/1/18 to 12/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kim, Dong Shik	Chemical Engineering, Department of		100		
Sum of Department (Chemical Engineering, Department of) Award Count: 12.50						\$814,273
Civil & Environmental Engineering, Department of						
N-128102-01	Wet Wipes That Turn into Toilet Paper When Flushed	No	\$17,717	\$7,275	\$24,992	\$4,998
<i>12/1/20 to 11/30/21 U.S. Environmental Protection Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lapitsky, Yakov	Chemical Engineering, Department of		80		
Co-I	Seo, Youngwoo	Civil & Environmental Engineering, Department of		20		
Stdnt Schol	Griffin, Michael Dwayne					
Stdnt Schol	Kendall, Reece Calvin					
N-128250-01	Functional Litter-acy: Trash Trappers for a Cleaner Toledo	No	\$29,979	\$15,139	\$45,118	\$45,118
<i>10/1/20 to 10/30/22 U.S. Environmental Protection Agency through City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Apul, Defne	Civil & Environmental Engineering, Department of		100		
Stdnt Schol	Eidt, Ethan Andrew	Civil & Environmental Engineering, Department of				
N-128313-01	Evaluation of the Perpetual Pavement Concept	No	\$17,743	\$7,253	\$24,996	\$24,996
<i>10/1/20 to 9/30/21 U.S. Department of Transportation through Ohio University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chou, Eddie Yein-Juin	Civil & Environmental Engineering, Department of		100		

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Civil & Environmental Engineering, Department of						
N-128555-01	Active Early Detection and Diagnosis of HABs with Scalable Biological Treatment Strategies	No	\$450,699	\$56,815	\$507,514	\$355,260
<i>3/22/21 to 3/31/22</i>	<i>U.S. Army Corps of Engineers</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Seo, Youngwoo	Civil & Environmental Engineering, Department of		40		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		30		
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of		30		
N-128558-01	Data Management statement - SARS-CoV-2 wastewater surveillance	No	\$167,915	\$21,979	\$189,894	\$18,989
<i>7/1/20 to 6/30/21</i>	<i>Ohio Environmental Protection Agency through Ohio State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of		90		
Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of				
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of		10		
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of		0		
N-128558-01-I01	Data Management statement - SARS-CoV-2 wastewater surveillance	No	\$288,301	\$0	\$288,301	\$72,075
<i>7/1/20 to 6/30/21</i>	<i>Ohio Environmental Protection Agency through Ohio State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of		50		
Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of		25		
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of		25		
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of				
N-128815-01	Dormitory wastewater monitoring of SARS-CoV-2 at Universities and Colleges in the State of Ohio	No	\$162,206	\$38,052	\$200,258	\$40,052
<i>12/1/20 to 6/30/21</i>	<i>Ohio Water Resources Center through Ohio State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chakravarti, Ritu	Physiology & Pharmacology, Department of		40		
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of		40		
PI/PD	Kang, Dae Wook	Civil & Environmental Engineering, Department of		20		
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of				
N-129000-01	Task 3: Analysis of Transportation Data for Locals in the State of Ohio	No	\$7,155	\$2,844	\$9,999	\$9,999
<i>4/12/21 to 11/12/21</i>	<i>Federal Highway Administration through Ohio University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of		67		
Co-I	Nims, Douglas K.	Civil & Environmental Engineering, Department of		33		
Sum of Department (Civil & Environmental Engineering, De						Award Count: 4.45
						\$571,487

Electrical Engineering and Computer Science, Department of

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Electrical Engineering and Computer Science, Department of						
C-125299-05	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$474,833	\$183,897	\$658,730	\$6,587
<i>7/1/20 to 6/30/22 National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of	89			
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rapport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of	10			
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	1			
C-126463-01-105	Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications	No	\$24,562	\$12,158	\$36,720	\$36,720
<i>3/3/21 to 12/31/21 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	100			
Stdnt Schol	Collings, William M.	Electrical Engineering and Computer Science, Department of				
C-127339-02	Transactive Campus	No	\$43,189	\$21,811	\$65,000	\$19,500
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Battelle Memorial Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	40			
Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	30			
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	30			
C-127752-02	Machine Learning and Network Science for Predicting Kidney Transplant Survival	No	\$184,561	\$93,203	\$277,764	\$180,547
<i>8/1/20 to 7/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	65			
Co-I	Chen, Tian	Mathematics & Statistics, Department of	10			
Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of	25			
Stdnt Schol	Forche, Lindsey Ann					
Stdnt Schol	Sloma, Michael Stephen					
Stdnt Schol	Thapa, Prathana					
C-127838-01-101	Wideband and High-Power Reconfigurable Plasma Matching Network for Compact and Efficient Phased Array Emitters	No	\$26,760	\$13,240	\$40,000	\$40,000
<i>1/1/20 to 12/31/20 Office of Naval Research through Purdue University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Semnani, Abbas	Electrical Engineering and Computer Science, Department of	100			

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Electrical Engineering and Computer Science, Department of						
C-128403-02	Seed Program: Investigation of Power Electronics and Control Systems for Nuclear/Renewable Energy Parks	No	\$109,635	\$55,365	\$165,000	\$108,900
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Idaho National Labs</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	33			
Co-I	Heben, Michael J.	Physics and Astronomy, Department of	34			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	33			
N-126463-01-I04	Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications	No	\$25,084	\$12,416	\$37,500	\$37,500
<i>12/9/20 to 12/31/21 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	100			
Stdnt Schol	Collings, William M.	Electrical Engineering and Computer Science, Department of				
N-127861-01	Digital Twin Reinforcement Learning Project	No	\$99,668	\$50,332	\$150,000	\$60,000
<i>5/20/21 to 5/21/23 U.S. Department of Energy through Lawrence Livermore National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCreary, William N.	Information Operations and Technology Management	40			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	20			
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	20			
Co-I	Sun, Weiqing	Engineering Technology, Department of	20			
N-127982-01	Assured Digital Microelectronics Education & Training Ecosystem (ADMETE)	No	\$359,152	\$126,848	\$486,000	\$486,000
<i>9/3/20 to 12/2/23 Air Force Research Laboratory through Wright State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Niamat, Mohammed Y.	Electrical Engineering and Computer Science, Department of	85			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	15			
N-128213-01	Collaborative Research: CyberMUG: Cybersecurity Modules aligned with UG Computer Science and Engineering Curriculum	No	\$93,390	\$47,161	\$140,551	\$140,551
<i>7/1/20 to 6/30/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	100			

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Electrical Engineering and Computer Science, Department of						
N-128304-01	Research Initiation: Measuring mental demand of interactive textbooks using wearables and web analytics	No	\$132,722	\$67,278	\$200,000	\$140,000
<i>9/1/20 to 8/31/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	70			
Co-PI	Liberatore, Matthew Walter	Chemical Engineering, Department of	30			
Stdnt Schol	Crockett, Breanne Marie					
Stdnt Schol	Hilsabeck, Tanner Vaughn					
N-128488-01	CAREER: Model-based Analysis of Dynamic Networks using Continuous-time Network Models	No	\$77,195	\$38,983	\$116,178	\$116,178
<i>5/1/21 to 4/30/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	100			
Stdnt Schol	Do, Hung Nghia					
N-128818-01	Ultra-wideband and Highly Efficient Plasma-Matched Small HF Antennas	No	\$59,801	\$30,199	\$90,000	\$90,000
<i>5/1/21 to 4/30/24 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Semnani, Abbas	Electrical Engineering and Computer Science, Department of	100			
N-128819-01	Reconfigurable Plasma Protection against High Power Microwaves	No	\$50,468	\$25,487	\$75,955	\$75,955
<i>5/1/21 to 2/28/22 Office of Naval Research through Purdue University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Semnani, Abbas	Electrical Engineering and Computer Science, Department of	100			
N-128861-01	VOLTRON User Interface for Toledo	No	\$16,611	\$8,389	\$25,000	\$25,000
<i>2/22/21 to 12/31/21 Pacific Northwest National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	50			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	50			
N-128861-01-101	VOLTRON User Interface for Toledo	No	\$27,907	\$14,093	\$42,000	\$42,000
<i>2/22/21 to 12/31/21 Pacific Northwest National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	50			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	50			

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Electrical Engineering and Computer Science, Department of						
N-129094-01	Investigation of GaN Devices Radiation Effects and Solar Array Maximum Power Point Tracking for Breakthrough Distributed Power Architecture for In Situ Lunar Missions	No	\$52,492	\$26,508	\$79,000	\$79,000
6/1/21 to 5/31/22	National Aeronautics and Space Administration through Jet Propulsion Laboratory					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of		51		
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of		49		
S-125299-05-S1	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$190,088	\$103,598	\$293,686	
4/28/21 to 6/30/22	National Institute of Mental Health					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		80		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		20		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of				
Sum of Department (Electrical Engineering and Computer S						Award Count: 13.72
						\$1,684,438
Engineering Technology, Department of						
N-127861-01	Digital Twin Reinforcement Learning Project	No	\$99,668	\$50,332	\$150,000	\$30,000
5/20/21 to 5/21/23	U.S. Department of Energy through Lawrence Livermore National Laboratory					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCreary, William N.	Information Operations and Technology Management		40		
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		20		
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of		20		
Co-I	Sun, Weiqing	Engineering Technology, Department of		20		
N-128572-01	Tech Cred: Faculty Professional Development in Industry 4.0 Emerging Technologies	No	\$25,076	\$0	\$25,076	\$25,076
4/1/20 to 2/28/22	Ohio Development Services Agency					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Alaraje, Abdunnasser	Engineering Technology, Department of		100		
N-129039-01	Tech Cred Round 7	No	\$10,578	\$0	\$10,578	\$10,578
11/1/20 to 9/30/22	Ohio Development Services Agency					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Alaraje, Abdunnasser	Engineering Technology, Department of		100		
Sum of Department (Engineering Technology, Department						Award Count: 2.20
						\$65,654
Mechanical, Industrial, and Manufacturing Engineering, Department of						

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Mechanical, Industrial, and Manufacturing Engineering, Department of						
C-127638-02	Mitigation of Snow Formation and Accumulation on Solar Panels of Clearway Energy Group	No	\$79,734	\$40,266	\$120,000	\$120,000
<i>1/19/21 to 12/31/21 Clearway Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Sojoudi, Hossein	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-127862-02	Fundamental Research on Controlled Porous Surfaces to Enhance Nucleate Boiling of Mixtures	No	\$0	\$63,174	\$63,174	\$63,174
<i>9/1/20 to 8/31/22 American Chemical Society</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-127907-02	IPA Assignment	No	\$300,352	\$0	\$300,352	\$300,352
<i>8/19/20 to 8/18/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128307-02	Compact Gas Turbine Compressor CFD Analysis	No	\$209,236	\$74,944	\$284,180	\$284,180
<i>10/1/20 to 3/31/22 National Aeronautics and Space Administration through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128330-02	Compact Gas Turbine Compressor CFD Analysis	No	\$190,898	\$49,634	\$240,532	\$240,532
<i>10/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128332-02	Research and Engineering Support for Advanced Seals Development	No	\$316,245	\$82,223	\$398,468	\$398,468
<i>10/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128333-02	Experimental and Computational Investigation of Turbine Aerodynamics & Heat Transfer for CGT Power Extraction and High Power Density Core	No	\$26,876	\$6,988	\$33,864	\$33,864
<i>10/1/20 to 3/31/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128333-03	Experimental and Computational Investigation of Turbine Aerodynamics & Heat Transfer for CGT Power Extraction and High Power Density Core	No	\$27,317	\$7,103	\$34,420	\$34,420
<i>4/1/21 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Mechanical, Industrial, and Manufacturing Engineering, Department of						
C-128334-02	Advanced Computational Tools for the Simulation of Multistage Turbomachinery in Support of Aeropropulsion	No	\$164,536	\$42,779	\$207,315	\$207,315
<i>10/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128335-02	Analysis for Future Aircraft Propulsion Systems	No	\$168,487	\$43,806	\$212,293	\$212,293
<i>10/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128351-02	High Temperature Materials & Coatings for Extreme Environments	No	\$227,403	\$59,125	\$286,528	\$286,528
<i>10/1/20 to 3/31/22 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128352-02	Nondestructive Evaluation for Aerospace Materials & Structures	No	\$199,940	\$51,985	\$251,925	\$251,925
<i>10/1/20 to 3/31/22 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128353-02	Advanced Microscopy and Microstructural Analysis	No	\$668,527	\$173,817	\$842,344	\$842,344
<i>10/1/20 to 3/31/22 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128354-02	Analysis and Testing of Advanced Materials & Structures	No	\$156,050	\$40,573	\$196,623	\$196,623
<i>10/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
C-128354-02-I01	Analysis and Testing of Advanced Materials & Structures	No	\$39,715	\$10,326	\$50,041	\$50,041
<i>11/1/20 to 9/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
D-128332-02	Research and Engineering Support for Advanced Seals Development	No	\$(59,965)	\$(15,591)	\$(75,556)	\$(75,556)
<i>2/1/21 to 6/30/21 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Mechanical, Industrial, and Manufacturing Engineering, Department of						
N-127707-01	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway	No	\$40,000	\$3,200	\$43,200	\$2,160
<i>8/17/20 to 7/31/21 National Institutes of Health</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Yildirim-Ayan, Eda D.	Bioengineering, Department of	65		
	Co-I	Ayan, Halim	Bioengineering, Department of	10		
	Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Department of	5		
	Co-I	Pappada, Scott Michael	Medical Services 5	5		
	Co-I	Rapino, Norman	Research & Sponsored Programs	10		
	Co-I	Relue, Patricia Ann	Bioengineering, Department of	5		
N-127975-01	Collaborative Research: Dry-Wet Phase Inversion Pathway of Graphene Oxide (GO)-Based Mixed-Matrix Membranes for Mineral Ions Separation by Membrane Distillation	No	\$100,778	\$49,195	\$149,973	\$149,973
<i>8/1/20 to 7/31/23 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100		
N-128423-01	Business Waste Reduction Assistance Program	No	\$81,818	\$8,182	\$90,000	\$90,000
<i>1/1/21 to 12/31/21 Lucas County Solid Waste Division</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100		
N-128430-01	Predictive Embolic Trajectory Mapping of Ventricular Assist Device Outflow: A Hybrid Study (Stage 1)	No	\$78,100	\$19,474	\$97,574	\$97,574
<i>12/16/20 to 6/16/21</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Amili, Omid	Mechanical, Industrial, and Manufacturing Engineering, Department of	100		
N-128489-01	Particle topography and aerosol size distribution in dental settings in COVID19 era	No	\$150,000	\$45,450	\$195,450	\$195,450
<i>7/1/20 to 12/31/21 National Institute of Dental and Craniofacial Research through University of Alabama at Birmingham</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Amili, Omid	Mechanical, Industrial, and Manufacturing Engineering, Department of	50		
	Co-I	Choueiri, George	Mechanical, Industrial, and Manufacturing Engineering, Department of	50		
N-128539-01	SMA Database	No	\$24,113	\$12,117	\$36,230	\$36,230
<i>8/17/20 to 8/16/22 NASA John H. Glenn Research Center at Lewis Field</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of	100		

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Mechanical, Industrial, and Manufacturing Engineering, Department of						
N-128719-01	Choose Ohio for Data, Environment, Energy, Entrepreneurialism and Sustainability (COD3ES)	No	\$79,800	\$0	\$79,800	\$79,800
<i>5/1/21 to 6/30/26</i> <i>Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
N-128807-01	I-Corps: Additively manufactured NiTi aerospace actuators	No	\$45,000	\$5,000	\$50,000	\$50,000
<i>2/15/21 to 7/31/22</i> <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
Stdnt Schol	Salazar, Javier Josue					
N-128877-01	EML-Infused Cooperative Education: A Collaboration between Students, Faculty, and Industry	No	\$150,000	\$0	\$150,000	\$150,000
<i>5/11/21 to 5/10/22</i> <i>Kern Family Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
N-128973-01	SA-Reimbursable Research and Engineering Support for Development and Testing of High Temperature Seals for Air Force High-Speed Vehicle Program	No	\$59,965	\$15,591	\$75,556	\$75,556
<i>2/1/21 to 6/30/21</i> <i>NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
Sum of Department (Mechanical, Industrial, and Manufactu)						Award Count: 25.05 \$4,373,246
Polymer Institute						
C-122172-09	Industrial Consortium for Poly(ethylene terephthalate), PET	No	\$147,120	\$0	\$147,120	\$147,120
<i>7/1/20 to 6/30/21</i> <i>PET Research Consortium & Active Barrier Research Consortium Members</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lawrence, Joseph G.	Polymer Institute			100	
Stdnt Schol	Kalbfliesh, Brandon	Polymer Institute				
N-128718-01	Synthesis of PET from Recycled Dimethyl Terephthalate	No	\$23,773	\$7,726	\$31,499	\$31,499
<i>10/15/20 to 9/30/23</i> <i>Loop Industries</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lawrence, Joseph G.	Polymer Institute			100	
Sum of Department (Polymer Institute)						Award Count: 2.00 \$178,619
Sum of College (Engineering, College of)						Award Count: 74.70 \$11,927,081

Facilities

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Facilities Planning						
N-128708-01	Diesel Mitigation Trust Fund	No	\$90,000	\$0	\$90,000	\$90,000
<i>5/24/21 to 12/31/27 Ohio Environmental Protection Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Green, Michael Lee	Facilities Planning	100			
Sum of Department (Facilities Planning)			Award Count: 1.00		\$90,000	
Sum of College (Facilities)			Award Count: 1.00		\$90,000	

Health & Human Services, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Occupational Therapy Program						
C-127788-02	Project Prepare	No	\$229,301	\$18,344	\$247,645	\$123,823
<i>10/1/20 to 9/30/21 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education	50			
Co-I	Metz, Alexia E.	Occupational Therapy Program	50			
Sum of Department (Occupational Therapy Program)			Award Count: 0.50		\$123,823	

School of Exercise Rehab Sciences

N-128410-01	NSF Graduate Research Fellowship Program	No	\$46,000	\$0	\$46,000	\$46,000
<i>8/1/20 to 7/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Scheuermann, Barry William	School of Exercise Rehab Sciences	100			
N-128577-01	Does isolated hamstring fatigue enhance quadriceps neuromuscular function among individuals with anterior cruciate ligament reconstruction	No	\$458	\$0	\$458	\$458
<i>8/1/20 to 7/31/21 Ohio Athletic Trainers' Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Norte, Grant Edward	School of Exercise Rehab Sciences	100			
N-128798-01	Effect of Sensory Manipulation on Brain Activity and Motor Performance Following ACL Reconstruction	No	\$996	\$0	\$996	\$996
<i>12/17/20 to 12/16/21 Ohio Athletic Trainers' Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Norte, Grant Edward	School of Exercise Rehab Sciences	100			

Health & Human Services, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Sum of Department (School of Exercise Rehab Sciences)			Award Count: 3.00		\$47,454	
School of Intervention & Wellness						
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond	No	\$114,127	\$9,130	\$123,257	\$12,326
<i>9/30/20 to 9/29/22</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lewandowski, Linda A.	Nursing, College of	30			
Co-I	Gray, Temeaka A.	Nursing, College of				
Co-I	Johnson, Tressa S.	University Police	10			
Co-I	Laux, John Micah	School of Intervention & Wellness	10			
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of	10			
Co-I	Petra, Megan Meta	School of Social Justice	10			
Co-I	Riddick, Vicki L.	Human Resources	10			
Co-I	Thompson, Amy J.	School of Population Health	20			
N-128812-01	Path Analysis of Factors Affecting Marginalized Youth Outcomes: An Intersection of Career Barriers, Depression, Hopelessness, and Social Problem-Solving	No	\$3,795	\$0	\$3,795	\$3,795
<i>1/1/21 to 12/31/21</i>	<i>Association for Assessment and Research in Counseling</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dari, Tahani Hisham	School of Intervention & Wellness	100			
N-128856-01	Subgrants for Non-profit or Community-based Student Learning and Remote Education Partners	No	\$135,201	\$0	\$135,201	\$135,201
<i>3/1/21 to 6/30/22</i>	<i>Student engagement and intervention via remote learning U.S. Department of Education through Ohio Department of Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Cochrane, Wendy S.	School of Intervention & Wellness	50			
Co-I	Wood, Brandon J.	School of Intervention & Wellness	50			
N-128893-01	Arts Leadership Pilot Project	No	\$7,850	\$0	\$7,850	
<i>4/30/21 to 3/31/22</i>	<i>Toledo Community Foundation through Arts Commission of Greater Toledo</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ojha, Mamta	School of Social Justice	100			
Co-I	Carrellas, Ann	School of Social Justice				
Co-I	Dari, Tahani Hisham	School of Intervention & Wellness				
Sum of Department (School of Intervention & Wellness)			Award Count: 2.10		\$151,322	
School of Population Health						

Health & Human Services, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
School of Population Health								
C-124040-05	Health Promotion Coach Agreement			No	\$101,524	\$10,152	\$111,676	\$111,676
<i>6/1/21 to 5/31/22 Board of County (Lucas) Commissioners</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Boardley, Debra J.	School of Population Health			100		
C-126524-05	Increasing Access of Trauma-Informed Care by CPS-Involved Youth and Families			No	\$30,189	\$9,811	\$40,000	\$40,000
<i>9/30/20 to 9/29/21 Substance Abuse and Mental Health Services Administration through ProMedica Health System</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Dake, Joseph	School of Population Health			100		
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond			No	\$114,127	\$9,130	\$123,257	\$24,651
<i>9/30/20 to 9/29/22 Substance Abuse and Mental Health Services Administration</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Lewandowski, Linda A.	Nursing, College of			30		
	Co-I	Gray, Temeaka A.	Nursing, College of					
	Co-I	Johnson, Tressa S.	University Police			10		
	Co-I	Laux, John Micah	School of Intervention & Wellness			10		
	Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of			10		
	Co-I	Petra, Megan Meta	School of Social Justice			10		
	Co-I	Riddick, Vicki L.	Human Resources			10		
	Co-I	Thompson, Amy J.	School of Population Health			20		
N-128525-01	COVID Tracing Grant Project			No	\$22,373	\$2,237	\$24,610	\$24,610
<i>7/29/20 to 12/31/20 Ohio Board of Health through Wood County Board of Health</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Dake, Joseph	School of Population Health			100		
R-101313-15	NIOSH Training Grant Project: Industrial Hygiene-University Toledo			No	\$80,521	\$6,442	\$86,963	\$86,963
<i>7/1/20 to 6/30/21 National Institute for Occupational Safety and Health</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ames, April L.	School of Population Health			100		
				Sum of Department (School of Population Health) Award Count: 4.20				\$287,900
School of Social Justice								
C-124919-08	Healthy Start Initiative: Eliminating Racial/Ethnic Disparities			No	\$44,545	\$4,455	\$49,000	\$49,000
<i>4/1/21 to 3/31/22 Health Resources & Services Administration through Lucas County Regional Health District</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Williamson, Celia	School of Social Justice			100		

Health & Human Services, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
School of Social Justice						
C-127084-03	Infant Vitality Community Intensive Pilot Project #04860041IV0118	No	\$24,545	\$2,454	\$26,999	\$26,999
<i>7/1/20 to 6/30/21 Hospital Council of Northwest Ohio</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
Co-I	Petra, Megan Meta	School of Social Justice				
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond	No	\$114,127	\$9,130	\$123,257	\$12,326
<i>9/30/20 to 9/29/22 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lewandowski, Linda A.	Nursing, College of	30			
Co-I	Gray, Temeaka A.	Nursing, College of				
Co-I	Johnson, Tressa S.	University Police	10			
Co-I	Laux, John Micah	School of Intervention & Wellness	10			
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of	10			
Co-I	Petra, Megan Meta	School of Social Justice	10			
Co-I	Riddick, Vicki L.	Human Resources	10			
Co-I	Thompson, Amy J.	School of Population Health	20			
C-127439-02	Human Trafficking ECMC Foundation	No	\$147,486	\$14,749	\$162,235	\$162,235
<i>5/1/20 to 4/30/21 Educational Credit Management Corporation Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
Co-I	Guardiola, Louis	School of Social Justice				
Co-I	Knabbs, Ladonna Denise	School of Social Justice				
N-128272-01	The University of Toledo Program to Address Sexual Assault and Violence on Campus: UT Awareness & Prevention Project	No	\$272,726	\$27,273	\$299,999	\$299,999
<i>10/1/20 to 9/30/23 U.S. Department of Justice</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Tucker-Gail, Kasey A.	School of Social Justice	100			
N-128477-01	COSSAP Evaluation	No	\$33,962	\$11,038	\$45,000	\$45,000
<i>10/1/20 to 9/30/21 U.S. Department of Justice through Lucas County Sheriff's Office</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
N-128579-01	LGBTQA+ Programming Initiative	No	\$10,377	\$1,037	\$11,414	\$11,414
<i>1/1/21 to 12/31/21 U.S. Department of Justice through Criminal Justice Coordinating Council</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Costello, Megan Colleen	School of Social Justice	75			
PI/PD	Tucker-Gail, Kasey A.	School of Social Justice	25			

Health & Human Services, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
School of Social Justice								
N-128893-01	Arts Leadership Pilot Project			No	\$7,850	\$0	\$7,850	\$7,850
4/30/21 to 3/31/22		Toledo Community Foundation through Arts Commission of Greater Toledo						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>					
PI/PD	Ojha, Mamta	School of Social Justice	100					
Co-I	Carrellas, Ann	School of Social Justice						
Co-I	Dari, Tahani Hisham	School of Intervention & Wellness						
N-128995-01	Community Advocates Outreach Evaluation_DART			No	\$41,550	\$0	\$41,550	\$41,550
1/15/21 to 1/14/22		Toledo Community Foundation through Lucas County Sheriff's Office						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>					
PI/PD	Williamson, Celia	School of Social Justice	100					
R-127626-03	NWO Pathways HUB			No	\$13,043	\$1,957	\$15,000	\$15,000
1/1/21 to 12/31/21		Ohio Commission on Minority Health through Hospital Council of Northwest Ohio						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>					
PI/PD	Williamson, Celia	School of Social Justice	100					
				Sum of Department (School of Social Justice)		Award Count: 9.10		\$671,373
				Sum of College (Health & Human Services, College of)		Award Count: 18.90		\$1,281,871

Honors College

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Honors Program								
N-127562-01-I01	Assessment, Accreditation and Faculty Development			No	\$9,000	\$0	\$9,000	
7/1/20 to 7/31/21		Association of Public and Land Grant Universities						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>					
PI/PD	Schneider, Barbara J.	English, Department of	0					
PI/PD	Toole, Amy P.	Chemistry and Biochemistry, Department of	100					
Co-I	Bartell, Denise Susan	Honors Program						
N-128961-01	Portz Grant			No	\$794	\$0	\$794	\$794
1/1/21 to 12/31/21		National Collegiate Honors Council						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>					
PI/PD	Pattin, Carla Janell	Honors Program	100					
Co-I	Pryor, Ashley E.	Honors Program						
				Sum of Department (Honors Program)		Award Count: 1.00		\$794

Human Resources & Campus Safety

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Human Resources						
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond	No	\$114,127	\$9,130	\$123,257	\$12,326
<i>9/30/20 to 9/29/22</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>					<u>% Credit</u>
PI/PD	Lewandowski, Linda A.					30
Co-I	Gray, Temeaka A.					
Co-I	Johnson, Tressa S.					10
Co-I	Laux, John Micah					10
Co-I	McCullumsmith, Cheryl Beth					10
Co-I	Petra, Megan Meta					10
Co-I	Riddick, Vicki L.					10
Co-I	Thompson, Amy J.					20
Sum of Department (Human Resources)				Award Count: 0.10		\$12,326
Sum of College (Human Resources & Campus Safety)				Award Count: 0.10		\$12,326

Law, College of

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Law, College of						
C-127756-02	Low Income Taxpayer Clinic	No	\$72,718	\$23,633	\$96,351	\$96,351
<i>1/1/21 to 12/31/21</i>	<i>U.S. Department of the Treasury</i>					
<u>Role</u>	<u>Name</u>					<u>% Credit</u>
PI/PD	Bourell, Christopher L.					100
Stdnt Schol	Tetteh, Angela Korkor					
Sum of Department (Law, College of)				Award Count: 1.00		\$96,351
Sum of College (Law, College of)				Award Count: 1.00		\$96,351

Medical Services

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
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Medical Services

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Medical Services 5						
N-127707-01	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway	No	\$40,000	\$3,200	\$43,200	\$2,160
<i>8/17/20 to 7/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Yildirim-Ayan, Eda D.	Bioengineering, Department of			65	
Co-I	Ayan, Halim	Bioengineering, Department of			10	
Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Department of			5	
Co-I	Pappada, Scott Michael	Medical Services 5			5	
Co-I	Rapino, Norman	Research & Sponsored Programs			10	
Co-I	Relue, Patricia Ann	Bioengineering, Department of			5	
			Sum of Department (Medical Services 5)	Award Count: 0.05		\$2,160
			Sum of College (Medical Services)	Award Count: 0.05		\$2,160

Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
AHEC						
C-010336-27	AHEC Point of Service Maintenance and Enhancement	No	\$1,235,292	\$98,823	\$1,334,115	\$1,334,115
<i>9/1/20 to 8/31/21 Health Resources & Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Combs, Courtney Kay	AHEC			100	
Dir Ctr/Inst	Miller, Patsy J.	AHEC				
D-128481-01	Area Health Education Centers Program COVID	No	\$(6,863)	\$0	\$(6,863)	\$(6,863)
<i>8/10/20 to 4/30/21 Health Resources & Services Administration through Ohio University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Combs, Courtney Kay	AHEC			100	
			Sum of Department (AHEC)	Award Count: 2.00		\$1,327,252

Anesthesiology, Department of

C-127179-03	Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)	No	\$222,624	\$22,262	\$244,886	\$61,222
<i>7/1/20 to 6/30/21 Centers for Medicare and Medicaid Services through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dworkin, Lance	Medicine, Department of			75	
Co-I	Pappada, Scott Michael	Anesthesiology, Department of			25	

Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Sum of Department (Anesthesiology, Department of)					Award Count: 0.25	\$61,222
Cancer Biology, Department of						
C-126620-03	Role of reduced nitric oxide in ECM stiffening for breast cancer initiation	No	\$165,000	\$33,000	\$198,000	\$198,000
<i>1/1/21 to 12/31/21</i>	<i>American Cancer Society - National</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of	100			
C-127458-04	Molecular targeting the translational control axis in Wnt/β-catenin signaling pathway	No	\$228,750	\$123,173	\$351,923	\$351,923
<i>8/1/20 to 7/31/21</i>	<i>National Cancer Institute</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Jian-Ting	Cancer Biology, Department of	100			
Co-I	Liu, JingYuan	Cancer Biology, Department of				
C-127667-03	Effective targeting surviving dimerization interface with small molecule inhibitors	No	\$223,450	\$121,594	\$345,044	\$138,018
<i>6/1/21 to 5/31/22</i>	<i>National Institute of General Medical Sciences</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liu, JingYuan	Medicine, Department of	60			
Co-I	Zhang, Jian-Ting	Cancer Biology, Department of	40			
Stdnt Schol	Nguyen, Dylan Quang Rithik					
C-127674-02	APC regulation of doxorubicin resistance in breast cancer	No	\$32,727	\$6,545	\$39,272	\$39,272
<i>7/1/20 to 6/30/23</i>	<i>American Cancer Society - National through Indiana University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Jian-Ting	Cancer Biology, Department of	100			
C-127728-02	Normalizing arginine metabolism with sepiapterin for immunostimulatory-shift of HER2+ breast cancer	No	\$228,750	\$124,669	\$353,419	\$353,419
<i>3/1/21 to 2/28/22</i>	<i>National Cancer Institute</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of	100			
Statistician	Khuder, Sadik	Medicine, Department of				
C-127796-04	ATR Isomerization in Cellular Responses to UV Damage of DNA	No	\$2	\$0	\$2	\$2
<i>8/1/20 to 7/31/21</i>	<i>National Cancer Institute</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zou, Yue	Cancer Biology, Department of	100			
Co-I	Liu, JingYuan	Cancer Biology, Department of				

Medicine and Life Sciences, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award</u> <u>Credit</u>
Cancer Biology, Department of								
N-127830-01	Investigation of the effects of plinabulin in three-dimensional (3D) glioblastoma patient derived spheroid viability and invasion			No	\$104,635	\$57,026	\$161,661	\$161,661
<i>2/1/21 to 1/31/22 BeyondSpring Pharmaceuticals</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Eisenmann, Kathryn Maria	Cancer Biology, Department of			100		
N-128348-01	Development of Novel Inducers of Non-Apoptotic Cell Death to Target TNBC			No	\$999,942	\$422,817	\$1,422,759	\$42,683
<i>1/1/21 to 12/31/23 U.S. Department of Defense</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Tiwari, Amit K.	Pharmacology & Experimental Therapeutics, Department of			88		
	Co-I	Gunning, William T.	Pathology, Department of			3		
	Co-I	Khuder, Sadik	Medicine, Department of			3		
	Co-I	Raman, Dayanidhi	Cancer Biology, Department of			3		
	Co-I	Tang, Yuan	Bioengineering, Department of			3		
N-128364-03	Influence of bone microenvironment on drug resistance in prostate cancer bone metastasis			No	\$228,750	\$124,669	\$353,419	\$353,419
<i>7/1/20 to 12/31/21 National Cancer Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Li, Xiaohong	Cancer Biology, Department of			100		
N-129192-01	Student Fellowship			No	\$5,000	\$0	\$5,000	\$5,000
<i>6/1/21 to 8/31/21 Pan American Society of Pigment Cell Research</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	DeLaSerna, Ivana	Cancer Biology, Department of			100		
	Stdnt Schol	Welborn, Jasmine Charrisse						
S-128364-03	Influence of bone microenvironment on drug resistance in prostate cancer bone metastasis			No	\$50,000	\$0	\$50,000	\$50,000
<i>7/1/20 to 12/31/21 National Institutes of Health</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Li, Xiaohong	Cancer Biology, Department of			100		
T-127796-02	ATR Isomerization in Cellular Responses to UV Damage of DNA			No	\$3,450	\$1,846	\$5,296	\$5,296
<i>8/1/19 to 7/31/21 National Cancer Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Zou, Yue	Cancer Biology, Department of			100		
	Co-I	Liu, JingYuan	Cancer Biology, Department of					

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Cancer Biology, Department of						
T-128364-02	Influence of bone microenvironment on drug resistance in prostate cancer bone metastasis	No	\$81,865	\$43,797	\$125,662	\$125,662
<i>7/1/20 to 12/31/21 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Li, Xiaohong	Cancer Biology, Department of			100	
Sum of Department (Cancer Biology, Department of)					Award Count: 11.43	\$1,824,354
Family Medicine, Department of						
N-126701-01	Choose Ohio First: PCMH	Yes	\$93,220	\$0	\$93,220	\$23,305
<i>7/1/17 to 6/30/18 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice			75	
Co-PI	Hickey, Daniel	Family Medicine, Department of			25	
Stdnt Schol	Ingram, Evan Miles					
Stdnt Schol	Miniato, Mohammed A.					
Stdnt Schol	Najjar, Amira Amanda					
Stdnt Schol	Saleh, Hanan Ahmed					
Stdnt Schol	Sims, Ariel B.					
Stdnt Schol	Soni, Jalpa Shivam					
Sum of Department (Family Medicine, Department of)					Award Count: 0.25	\$23,305
Med Microbiology & Immunology, Department of						
C-120298-12	Choose Ohio First Scholarship Program - Bioinformatics Program	No	\$105,915	\$0	\$105,915	\$105,915
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Blumenthal, Robert	Med Microbiology & Immunology, Department of			100	
C-126083-03	The role of platelets in oral candidiasis	No	\$240,971	\$131,329	\$372,300	\$186,150
<i>1/1/21 to 12/31/21 National Institute of Dental and Craniofacial Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of			50	
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of			50	
C-126083-03-I01	The role of platelets in oral candidiasis	No	\$26,774	\$14,592	\$41,366	\$20,683
<i>1/1/21 to 12/31/21 National Institute of Dental and Craniofacial Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of			50	
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of			50	

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Med Microbiology & Immunology, Department of								
C-126496-02	Ohio Innovations Grant--P-16 Pathways of Promise (P3)			No				
7/1/19 to 6/30/21	Ohio Department of Higher Education through Bowling Green State University							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Romer, Terence G.	Med Microbiology & Immunology, Department of			100		
	PI/PD	Witte, Raymond	Dean-Education					
C-126987-02	Transcriptional and non-transcriptional functions of IRF3 in ALD			No	\$25,318	\$13,798	\$39,116	\$39,116
7/1/20 to 6/30/21	National Institutes of Health through Cleveland Clinic							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			100		
C-127752-02	Machine Learning and Network Science for Predicting Kidney Transplant Survival			No	\$184,561	\$93,203	\$277,764	\$69,441
8/1/20 to 7/31/21	National Institutes of Health							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			65		
	Co-I	Chen, Tian	Mathematics & Statistics, Department of			10		
	Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of			25		
	Stdnt Schol	Forche, Lindsey Ann						
	Stdnt Schol	Sloma, Michael Stephen						
	Stdnt Schol	Thapa, Prathana						
C-127936-02	Understanding the proviral role for TRAF6 interaction with the viral protease in flavivirus replication and pathogenesis			No	\$250,000	\$136,250	\$386,250	\$386,250
5/1/21 to 4/30/22	National Institute of Allergy & Infectious Diseases							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Taylor, Roger Travis	Med Microbiology & Immunology, Department of			100		
	Co-I	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of					
C-128316-03	Dissecting catalytic and regulatory functions of nonsegmented negative strand RNA viral polymerases			No	\$225,000	\$122,625	\$347,625	\$347,625
6/1/21 to 5/31/22	National Institute of Allergy & Infectious Diseases							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ogino, Tomoaki	Med Microbiology & Immunology, Department of			100		
C-128317-06	Anti-viral actions of interferon			No	\$8,678	\$4,729	\$13,407	\$13,407
7/1/20 to 6/30/21	National Cancer Institute through Case Western Reserve University/Case Medical Center							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ogino, Tomoaki	Med Microbiology & Immunology, Department of			100		

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Med Microbiology & Immunology, Department of						
N-127300-01-A1	Evaluation of alternative complement activity within an ARDS cohort	No	\$8,078	\$4,322	\$12,400	\$12,400
<i>8/9/20 to 7/31/21 National Heart, Lung & Blood Institute through University of Pittsburgh</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ferreira, Viviana P.	Med Microbiology & Immunology, Department of	100			
N-128170-01	Anti-Inflammatory Functions of Non-Transcriptional IRF3	No	\$314,051	\$156,988	\$471,039	\$447,487
<i>2/8/21 to 1/31/22 National Institute of Allergy & Infectious Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of	95			
Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of	5			
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of				
N-128172-01	Using Microcystin Degrading Bacteria and their Enzymes for Water Treatment	No	\$219,147	\$117,244	\$336,391	\$319,571
<i>9/1/20 to 8/30/21 National Oceanic and Atmospheric Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Huntley, Jason F.	Med Microbiology & Immunology, Department of	95			
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of	5			
N-128558-01	Data Management statement - SARS-CoV-2 wastewater surveillance	No	\$167,915	\$21,979	\$189,894	\$170,905
<i>7/1/20 to 6/30/21 Ohio Environmental Protection Agency through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of	90			
Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of				
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	10			
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of	0			
N-128558-01-I01	Data Management statement - SARS-CoV-2 wastewater surveillance	No	\$288,301	\$0	\$288,301	\$144,151
<i>7/1/20 to 6/30/21 Ohio Environmental Protection Agency through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of	50			
Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of	25			
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	25			
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of				
N-128672-01	A novel model to study COVID-19 and Hypertension	No	\$150,000	\$81,750	\$231,750	
<i>6/14/21 to 5/31/22 National Institute of Allergy & Infectious Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Joe, Bina	Physiology & Pharmacology, Department of	100			
Co-I	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of				
Co-I	Huntley, Jason F.	Med Microbiology & Immunology, Department of				

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Med Microbiology & Immunology, Department of								
N-128815-01	Dormitory wastewater monitoring of SARS-CoV-2 at Universities and Colleges in the State of Ohio		No	\$162,206	\$38,052	\$200,258	\$80,103	
<i>12/1/20 to 6/30/21</i>	<i>Ohio Water Resources Center through Ohio State University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Chakravarti, Ritu	Physiology & Pharmacology, Department of			40			
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			40			
PI/PD	Kang, Dae Wook	Civil & Environmental Engineering, Department of			20			
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of						
T-128316-01	Dissecting catalytic and regulatory functions of nonsegmented negative strand RNA viral polymerases		No	\$57,973	\$31,595	\$89,568	\$89,568	
<i>11/2/20 to 5/31/21</i>	<i>National Institute of Allergy & Infectious Diseases</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Ogino, Tomoaki	Med Microbiology & Immunology, Department of			100			
Sum of Department (Med Microbiology & Immunology, Dep							Award Count: 11.95	\$2,432,772
Medicine, Department of								
C-100389-20	Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program		No	\$437,480	\$34,998	\$472,478	\$472,478	
<i>4/1/21 to 3/31/22</i>	<i>HIV/AIDS Bureau</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Duggan, Joan	Medicine, Department of			100			
C-123246-07	The Role of Endothelin-I in Patients with Heart Failure and Pulmonary Venous Hypertension		No	\$0	\$0	\$0		
<i>7/1/20 to 6/30/21</i>	<i>Gilead Sciences, Inc.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Khoury, Samer J.	Medicine, Department of						
Stdnt Schol	Gallagher, Casey Strong							
C-123999-07	Zilver PTX V		No	\$3,968	\$1,867	\$5,835	\$5,835	
<i>7/1/20 to 6/30/21</i>	<i>Cook, Inc.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Burket, Mark	Medicine, Department of			100			

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Medicine, Department of							
C-124705-07	A 5-Year Prospective Observational Registry to Assess Adverse Events of Interest and Effectiveness in Adults with Active, Autoantibody-Positive Systemic Lupus Erythematosus Treated with or without BENLYSTATM (belimumab) ("SABLE")		No	\$6,452	\$3,036	\$9,488	\$9,488
<i>7/1/20 to 6/30/21</i>	<i>Outcome Sciences, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Altorok, Nezam	Medicine, Department of		75		
	Co-I	Kahaleh, M Bashar	Medicine, Department of		25		
C-125658-02	A5332: Randomized Trial to Prevent Vascular Events in HIV - REPRIEVE		Yes	\$4,721	\$1,227	\$5,948	\$5,948
<i>5/1/18 to 4/30/22</i>	<i>National Heart, Lung & Blood Institute through Massachusetts General Hospital</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Duggan, Joan	Medicine, Department of		100		
	Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of				
C-125732-05	Counter Regulatory Mechanisms of Cardiotonic Steroids in Cardio-Renal Syndrome		No	\$250,000	\$128,750	\$378,750	\$340,875
<i>4/1/21 to 3/31/22</i>	<i>National Heart, Lung & Blood Institute</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Kennedy, David Joseph	Medicine, Department of		90		
	Co-I	Haller, Steven T.	Medicine, Department of				
	Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of		5		
	Co-I	Zhu, Jianglong	Chemistry and Biochemistry, Department of		5		
C-125820-05	A Randomized Trial Comparing the ELUVIA™ Drug-Eluting Stent Versus Zilver® PTX® Stent for Treatment of Superficial Femoral and/or Proximal Popliteal Arteries		No	\$2,482	\$1,168	\$3,650	\$3,650
<i>7/1/20 to 6/30/21</i>	<i>Boston Scientific Corporation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Burket, Mark	Medicine, Department of		100		
C-126102-03	MicroRNA-based therapy for rheumatoid arthritis		No	\$3,305	\$1,802	\$5,107	\$5,107
<i>7/1/20 to 6/30/21</i>	<i>National Institutes of Health through Washington State University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Khuder, Sadik	Medicine, Department of		100		
C-126355-05	Myocardial Ischemia and Transfusion (MINT)		Yes	\$769	\$231	\$1,000	\$1,000
<i>6/1/20 to 5/31/22</i>	<i>National Institutes of Health through Rutgers University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Gupta, Rajesh	Medicine, Department of		100		

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Medicine, Department of								
C-126600-04	The Randomized and Controlled Noninferiority Trial to Evaluate Safety and Clinical Efficacy of the SurVeil™ Drug-Coated Balloon in the Treatment of Subjects with Stenotic Lesions of the Femoropopliteal Artery Compared to the Medtronic IN.PACT® Admiral® Drug-Coated Balloon. (TRANSCEND)			No	\$12,547	\$5,904	\$18,451	\$18,451
<i>7/1/20 to 6/30/21</i>	<i>Surmodics, Inc.</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Burket, Mark	Medicine, Department of			100		
C-126685-03	Role of histone Methyltransferase EZH3 in Acute and Chronic Renal Injury			No	\$6,157	\$3,356	\$9,513	\$9,513
<i>8/1/20 to 7/31/21</i>	<i>National Institutes of Health through Rhode Island Hospital</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Dworkin, Lance	Medicine, Department of			100		
C-126741-03	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 3 Trial to Evaluate Efficacy and Safety of Lenabasum in Diffuse Cutaneous Systemic Sclerosis Protocol No. JBT101-SSc-002			No	\$9,844	\$4,633	\$14,477	\$14,477
<i>7/1/20 to 6/30/21</i>	<i>Corbus Pharmaceuticals</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
C-126777-04	An open-label extension trial to assess the long term safety of nintedanib in patients with Systemic Sclerosis associated Interstitial Lung Disease (SSc-ILD)			No	\$5,177	\$2,436	\$7,613	\$7,613
<i>7/1/20 to 6/30/21</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
C-126847-06	The Melanocortinerpic pathway in glomerular disease			No	\$227,790	\$124,146	\$351,936	\$351,936
<i>6/1/21 to 5/31/22</i>	<i>National Institute of Diabetes, Digestive & Kidney Diseases</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Gong, Rujun	Medicine, Department of			98		
	Co-I	Dworkin, Lance	Medicine, Department of			2		
C-126909-04	A Phase III Randomised, Double-Blind Trial to Evaluate Efficacy and Safety of Once Daily Empagliflozin 10 mg Compared to Placebo, in Patients with Chronic Heart Failure with reduced Ejection Fraction (HFREF" Protocol No 1245.121			No	\$3,212	\$1,512	\$4,724	\$4,724
<i>7/1/20 to 6/30/21</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Khouri, Samer J.	Medicine, Department of			100		

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Medicine, Department of							
C-127002-04	A Randomized Phase 2 Trial of AM0010 in Combination with Nivolumab Vs. Nivolumab Alone s Second Line Therapy in Patients With Stage IV/Metastatic Wild Type Non-Small Cell Lung Cancer and Low Tumor Expression of PD-L1 ("Cypress 2" J1L-AM-JZGD)		No	\$24,965	\$11,748	\$36,713	\$36,713
<i>7/1/20 to 6/30/21</i>	<i>Eli Lilly and Company</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of			100		
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
C-127023-03	STANDARD CHEMOTHERAPY VERSUS CHEMOTHERAPY CHOSEN BY CANCER STEM CELL CHEMOSENSITIVITY TESTING IN THE MANAGEMENT OF PATIENTS WITH RECURRENT GLIOBLASTOMA MULTIFORME (GBM). IRB#202696		No	\$680	\$320	\$1,000	
<i>7/1/20 to 6/30/21</i>	<i>Cordgenics, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Schroeder, Jason Lee	Surgery, Department of			100		
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
C-127091-03	eFT508 in Combination With PD-1/PD-L1 Inhibitor Therapy: A Study of Subjects Administered Anti-PD-1/Anti-PD-L1 Therapy That Are Experiencing Insufficient Response to Checkpoint Inhibitor Alone		No	\$11,314	\$5,324	\$16,638	\$16,638
<i>7/1/20 to 6/30/21</i>	<i>eFFECTOR Therapeutics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of			100		
Co-I	Hamouda, Danae M.	Medicine, Department of					
C-127177-02	Role of hematopoietuc-specific MC1R in immune mediated proteinuric glomerulopathy		No	\$209,279	\$111,964	\$321,243	\$321,243
<i>2/1/20 to 1/31/21</i>	<i>Mallinckrodt LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Gong, Rujun	Medicine, Department of			90		
Co-I	Dworkin, Lance	Medicine, Department of			10		
C-127177-03	Role of hematopoietuc-specific MC1R in immune mediated proteinuric glomerulopathy		No	\$209,279	\$114,057	\$323,336	\$323,336
<i>2/1/21 to 1/31/22</i>	<i>Mallinckrodt LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Gong, Rujun	Medicine, Department of			90		
Co-I	Dworkin, Lance	Medicine, Department of			10		

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Medicine, Department of						
C-127179-03	Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)	No	\$222,624	\$22,262	\$244,886	\$183,665
<i>7/1/20 to 6/30/21 Centers for Medicare and Medicaid Services through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	75			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	25			
C-127186-03	Retrospective and Prospective International EkoSonic Registry of the Treatment and Clinical Outcomes of Patients with Pulmonary Embolism-KNOCOUT PE	No	\$4,196	\$1,974	\$6,170	\$6,170
<i>7/1/20 to 6/30/21 EKOS Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gupta, Rajesh	Medicine, Department of	100			
C-127202-03	A Phase 1/2 Safety, Pharmacokinetic & Pharmacodynamic Study of APS001F W/ Flucytosine & Maltose for the Treatment of Advanced and/or Metastatic Solid Tumors	No	\$69,820	\$20,946	\$90,766	\$90,766
<i>7/1/20 to 6/30/21</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Skeel, Roland	Medicine, Department of	100			
Co-I	Hamouda, Danae M.	Medicine, Department of				
C-127204-03	A Phase 1/2 Study to Investigate the Safety, Biologic and Anti-tumor Activity of ONCOS-102 in Combination With Durvalumab in Subjects With Advanced Peritoneal Malignancies	No	\$2,446	\$734	\$3,180	\$3,180
<i>7/1/20 to 11/4/20 Ludwig Institute for Cancer Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hamouda, Danae M.	Medicine, Department of	100			
Co-I	Skeel, Roland	Medicine, Department of				
C-127236-03	A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Assess the Efficacy, Safety, and Pharmacokinetics of KBP-5074 in Patients With Moderate-to-Severe Chronic Kidney Disease and Uncontrolled Hypertension	No	\$4,821	\$2,268	\$7,089	\$7,089
<i>7/1/20 to 6/30/21 Medpace, Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	50			
Co-I	Alam, Zubia R.	Medicine, Department of	50			

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Medicine, Department of								
C-127238-03	NN1250-4419 SWITCH PRO - A randomised, cross-over, open-label, multi-centre trial comparing the effect of insulin degludec and insulin glargine 100U/mL, with or without OADs in subjects with type 2 diabetes using flash glucose monitoring incorporated, Trial Phase IV			No	\$12,301	\$5,789	\$18,089	\$18,089
7/1/20 to 6/30/21								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Hejeebu, Srini K.	Medicine, Department of				100	
C-127262-03	A Phase 3, Interventional, Randomized, Multicenter, Open-Label Study of DCC-2618 vs Sunitinib in Patients with Advanced Gastrointestinal Stromal Tumors after Treatment with Imatinib			No	\$680	\$320	\$1,000	\$1,000
7/1/20 to 6/30/21 <i>Deciphera Pharmaceuticals, LLC</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Skeel, Roland	Medicine, Department of				100	
	Co-I	Hamouda, Danae M.	Medicine, Department of					
C-127408-02	Sequencing Familial Lung Cancer			No	\$24,287	\$13,236	\$37,523	\$37,523
1/1/21 to 12/31/21 <i>National Institutes of Health through Baylor College of Medicine</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Willey, James	Medicine, Department of				75	
	Co-I	Gaba, Colette R.	Medicine, Department of				25	
C-127444-02	A Phase 1, Open-Label, Dose-Escalation and Expansion, Safety and Tolerability Study of INCB062079 in Subjects With Advanced Hepatocellular Carcinoma and Other Malignancies			No	\$31,504	\$14,825	\$46,329	\$46,329
7/1/20 to 6/30/21 <i>Incyte</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Edelman, Gerald	Medicine, Department of				100	
C-127544-03	A Phase I/Ib Open-Label, Multi-Center, Dose-Escalation Study to Investigate the Safety, Pharmacokinetics and Preliminary Efficacy of Intravenous NBF 006 in Patients with Non-Small Cell Lung (NSCLC), Pancreatic or Colorectal Cancer			No	\$16,481	\$7,756	\$24,236	\$24,236
7/1/20 to 6/30/21 <i>Nitto BioPharma</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Skeel, Roland	Medicine, Department of				100	

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Medicine, Department of							
C-127545-02	Phase 1 Study of KN026 in HER2 Expressing Breast Cancer, Gastric/Gastroesophageal Junction Cancer and other Locally Advanced/Metastatic Solid Tumors		No	\$86,826	\$40,859	\$127,685	\$127,685
<i>7/1/20 to 6/30/21</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Skeel, Roland		Medicine, Department of		100	
C-127564-02-W1	APPENDIX NN9535-4352 Long-term effects of semaglutide on diabetic retinopathy in subjects with type 2 diabetes (FOCUS), trial phase 3b,		No	\$11,000	\$5,176	\$16,176	\$16,176
<i>7/1/20 to 6/30/21</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Hejeebu, Srini K.		Medicine, Department of		100	
C-127574-02	A Phase 1/2 Study of In Situ Vaccination with Tremelimumab and IV Durvalumab (MEDI4736) Plus the Toll-like Receptor Agonist PolyICLC in Subjects with Advanced, Measurable, Biopsy-accessible Cancers		No	\$1,367	\$643	\$2,010	\$2,010
<i>7/1/20 to 6/30/21</i> <i>Ludwig Institute for Cancer Research</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Hamouda, Danae M.		Medicine, Department of		100	
C-127611-03	MINHC project		No	\$18,518	\$1,482	\$20,000	\$10,000
<i>9/1/20 to 8/31/21</i> <i>Health Resources & Services Administration through University of Illinois at Chicago</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Sahloff, Eric G.		Pharmacy Practice, Department of		50	
	Co-I	Duggan, Joan		Medicine, Department of		50	
C-127617-02	High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease		No	\$38,080	\$20,372	\$58,452	\$55,529
<i>2/1/21 to 1/31/22</i> <i>National Oceanic and Atmospheric Administration through Ohio State University</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Haller, Steven T.		Medicine, Department of		48	
	PI/PD	Kennedy, David Joseph		Medicine, Department of		47	
	Co-I	Gohara, Amira		Pathology, Department of			
	Co-I	Isailovic, Dragan		Chemistry and Biochemistry, Department of		5	
	Co-I	Modyanov, Nikolai		Physiology & Pharmacology, Department of			

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Medicine, Department of								
C-127667-03	Effective targeting surviving dimerization interface with small molecule inhibitors			No	\$223,450	\$121,594	\$345,044	\$207,026
<i>6/1/21 to 5/31/22</i>	<i>National Institute of General Medical Sciences</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Liu, JingYuan	Medicine, Department of			60		
	Co-I	Zhang, Jian-Ting	Cancer Biology, Department of			40		
	Stdnt Schol	Nguyen, Dylan Quang Rithik						
C-127728-02	Normalizing arginine metabolism with sepiaptein for immunostimulatory-shift of HER2+ breast cancer			No	\$228,750	\$124,669	\$353,419	
<i>3/1/21 to 2/28/22</i>	<i>National Cancer Institute</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Furuta, Saori	Cancer Biology, Department of			100		
	Statistician	Khuder, Sadik	Medicine, Department of					
C-127768-02	An open-label, multi-center, phase 1b/2 study to evaluate the safety and efficacy of copanlisib in combination with nivolumab in patients with advanced solid tumors			No	\$6,970	\$3,280	\$10,250	\$10,250
<i>7/1/20 to 6/30/21</i>	<i>Bayer HealthCare Pharmaceuticals</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Hamouda, Danae M.	Medicine, Department of			100		
C-127770-02	A Phase 3, Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel-group Study to Investigate the Efficacy and Safety of in Subjects with Acute Coronary Syndrome			No	\$14,996	\$7,057	\$22,053	\$22,053
<i>7/1/20 to 6/30/21</i>	<i>CSL Behring LLC</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Moukarbel, George Victor	Medicine, Department of			100		
	Stdnt Schol	Burket, Mark	Medicine, Department of					
C-127812-02	A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 3 Study Evaluating the Safety and Efficacy of Intravenous Iloprost in Subjects With Systemic Sclerosis Experiencing Symptomatic Digital Ischemic Episodes (AURORA Study)			No	\$52,533	\$24,722	\$77,255	\$77,255
<i>7/1/20 to 6/30/21</i>	<i>EICOS SCIENCES, INC.</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		

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Medicine, Department of								
C-127841-02-W1	Clinical Lead QI (Federal)			No	\$54,024	\$5,402	\$59,426	\$59,426
<i>7/1/20 to 6/30/21</i>	<i>Centers for Medicare and Medicaid Services through Case Western Reserve University/Case Medical Center</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Ud Din, Shahab	Medicine, Department of				100		
C-127870-02	A Phase 1-2 Dose-Escalation and Cohort-Expansion Study of Intravenous eFT226 in Subjects with Selected Advanced Solid Tumor Malignancies			No	\$70,096	\$32,986	\$103,082	\$103,082
<i>7/1/20 to 6/30/21</i>	<i>eFFECTOR Therapeutics</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of				100		
N-127850-01	A 52-week, phase 3, multicentre, randomised, double blind, efficacy & safety study, comp GSK3196165 w/ placebo & w/ tofacitinib in combo w/ conv synthetic DMARDs, in participants w/ mod to severe active rheumatoid arthritis who have an inadequate resp to conv synthetic DMARDs or biologic DMARDs			No	\$8,500	\$4,000	\$12,500	\$12,500
<i>1/28/20 to 6/30/21</i>	<i>IQVIA Biotech</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Altorok, Nezam	Medicine, Department of				100		
N-128126-01	READY 1: A Phase 3, Randomized, Double-Blind, Active and Placebo-Controlled Study On The Use Of CUSA-081 For Dysfunctional Central Venous Access Devices (CVADs)			No	\$14,127	\$6,648	\$20,775	\$20,775
<i>3/5/20 to 6/30/21</i>	<i>IQVIA Biotech</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Ahmed, Zohaib	Medicine, Department of				100		
N-128337-01	Phase 1/1b Study to Evaluate the Safety and Activity of TTX-030 (Anti-CD39) in Combination with ABBV-181 (Anti-PD-1) and/or mFOLFOX6 in Subjects with Solid Tumors			No	\$13,007	\$6,121	\$19,128	\$19,128
<i>7/8/20 to 6/30/21</i>	<i>Tizona Therapeutics, INC.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of				100		

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Medicine, Department of							
N-128348-01	Development of Novel Inducers of Non-Apoptotic Cell Death to Target TNBC		No	\$999,942	\$422,817	\$1,422,759	\$42,683
<i>1/1/21 to 12/31/23</i>	<i>U.S. Department of Defense</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tiwari, Amit K.	Pharmacology & Experimental Therapeutics, Department of			88		
Co-I	Gunning, William T.	Pathology, Department of			3		
Co-I	Khuder, Sadik	Medicine, Department of			3		
Co-I	Raman, Dayanidhi	Cancer Biology, Department of			3		
Co-I	Tang, Yuan	Bioengineering, Department of			3		
N-128412-01	A Phase 3 Study of Relacorilant in Combination with Nab-Paclitaxel in Patients with Metastatic Pancreatic Ductal Adenocarcinoma (RELIANT)		No	\$118,274	\$55,658	\$173,932	\$173,932
<i>9/23/20 to 6/30/21</i>	<i>Corcept Therapeutics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of			100		
N-128457-01	A Randomized, Double-Blind, Placebo-Controlled, Repeat-Dose, Multicenter Study to Evaluate the Safety, Tolerability, Pharmacokinetics and Pharmacodynamics, and Explore Efficacy of TEPEZZA in Patients with Diffuse Cutaneous Systemic Sclerosis		No	\$13,005	\$6,120	\$19,125	\$19,125
<i>8/3/20 to 6/30/21</i>	<i>Horizon Therapeutics USA, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
N-128483-01	A Phase 2b, Multicenter, Randomized, Double Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Efficacy, Safety, and Tolerability of Cenerimod in Subjects with Moderate or Severe Systemic Lupus Erythematosus		No	\$8,925	\$4,200	\$13,125	\$13,125
<i>8/11/20 to 6/30/21</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
N-128559-01	A Phase IIIb, Rand., Multicenter, Active-controlled, Parallel-group, Non-inferiority, Open-label Study Eval. Efficacy, Safety, Tolerability of Switching to Long-acting Cabotegravir Long-acting Rilpivirine admin. every 2 months Single Tab Regimen in HIV-1 Infected Adults who are Virologically Supp.		No	\$30,630	\$14,414	\$45,044	\$45,044
<i>1/11/21 to 6/30/21</i>	<i>GlaxoSmithKline</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Duggan, Joan	Medicine, Department of			100		

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Medicine, Department of								
N-128606-01	A Randomized Double-blind Placebo-controlled Study to Evaluate the Safety and Efficacy of ATYR1923 In Adult Patients With Severe Pneumonia Related To SARS-CoV-2 Infection (COVID-19)			No	\$32,900	\$15,483	\$48,383	\$48,383
8/7/20 to 6/30/21	aTyr Pharma Inc							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Safi, Fadi Alil	Medicine, Department of			100		
N-128649-01	A Phase 3 Study of CG0070 in Patients with Non-Muscular Invasive Bladder Cancer (NMIBC) Unresponsive to Bacillus-Calmette-Guerin (BCG)			No	\$44,804	\$21,084	\$65,888	\$65,888
9/21/20 to 6/30/21	CG Oncology, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Petros, Firas G.	Urology, Department of					
	Co-I	Skeel, Roland	Medicine, Department of			100		
N-128654-01	A Multicenter Platform Evaluating Putative Therapeutics for the Treatment of COVID-19 in Hospitalized Adults			No	\$236,300	\$111,200	\$347,500	\$347,500
8/6/20 to 5/31/21	National Institute of Allergy & Infectious Diseases through Social & Scientific Systems, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ellis, Michael	Medicine, Department of			100		
N-128716-01	A Randomized, Double-Blind, Placebo-Controlled Trial of Tomivosertib in Combination With Anti-PD-(L)1 Therapy in Subjects With Non-Small Cell Lung Cancer as First-Line Therapy or When Progressing on Single-Agent First-Line Anti PD (L)1 Therapy			No	\$11,457	\$5,391	\$16,848	\$16,848
2/11/21 to 6/30/21	eFFECTOR Therapeutics							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Skeel, Roland	Medicine, Department of			100		
N-128717-01	A Phase 2 trial evaluating sargramostim in patients with COVID-19 associated acute hypoxemia			No	\$27,234	\$12,816	\$40,050	\$40,050
11/19/20 to 6/30/21	Partner Therapeutics, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Duggan, Joan	Medicine, Department of			100		
N-128734-01	A Phase 2, Open Label, Multicenter, Study of an Immunotherapeutic Treatment, DPX-Survivac in Comb W/ Low Dose Cyclophosphamide & Pembrolizumab, in Subjects with Selected Adv. or Recurrent Solid Tumors			No	\$13,821	\$6,504	\$20,325	\$20,325
10/7/20 to 6/30/21								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Skeel, Roland	Medicine, Department of			100		

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Medicine, Department of						
N-128749-01	The National Nursing Home COVID Action Network	No	\$181,132	\$58,868	\$240,000	\$240,000
<i>9/24/20 to 7/23/21 Agency for Healthcare Research and Quality through University of New Mexico</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Hanrahan, Jennifer Anne	Medicine, Department of	100		
N-128784-01	A Phase 1/2a, Dose-Escalation and Dose-Expansion Study of ZX-101A in Patients with Relapsed/Resistant or Refractory Advanced Hematologic Malignancies	No	\$14,433	\$6,792	\$21,225	\$21,225
<i>12/7/20 to 6/30/21</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Skeel, Roland	Medicine, Department of	100		
N-128858-01	Reframing Optimal Management of Pain and Opioids in Older Adults	No	\$9,209	\$5,019	\$14,228	\$14,228
<i>2/1/21 to 8/31/21 Agency for Healthcare Research and Quality through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Akpunonu, Basil	Medicine, Department of	100		
N-129004-01	Advisory Services to the Great Lakes HABs Collaboration	No	\$1,000	\$0	\$1,000	\$1,000
<i>3/29/21 to 5/1/21 U.S. Geological Survey through Great Lakes Commission</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kennedy, David Joseph	Medicine, Department of	100		
N-129033-01	Ohio I-Corps: Chimeric Antigen Receptor (CAR) Regulatory T cells (Tregs) to revert autoimmune diabetes	No	\$11,250	\$1,250	\$12,500	\$12,500
<i>5/1/21 to 11/30/21 Ohio Department of Higher Education through Ohio State University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Jaume, Juan Carlos	Medicine, Department of	100		
N-129058-01	Advisory Services to the Great Lakes HABs Collaboration	No	\$1,000	\$0	\$1,000	\$1,000
<i>3/29/21 to 5/1/21 U.S. Geological Survey through Great Lakes Commission</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Haller, Steven T.	Medicine, Department of	100		
R-100043-20-101	Ryan White Title IV Women, Infants, Children, Youth and Affected Family Members AIDS Healthcare (WICY--Part D)	No	\$415,287	\$46,142	\$461,429	\$461,429
<i>8/1/19 to 7/30/22 U.S. Department of Health and Human Services</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Duggan, Joan	Medicine, Department of	100		
	Dir Ctr/Inst	Himich, Katie	Medicine, Department of			
R-101303-16	Social Marketing Advertising CTR	No	\$27,000	\$0	\$27,000	\$27,000
<i>1/1/21 to 12/31/21 Centers for Disease Control and Prevention through Lucas County Regional Health District</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Duggan, Joan	Medicine, Department of	100		

Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Medicine, Department of						
R-127064-03	Cardi-OH	No	\$247,358	\$24,736	\$272,094	\$272,094
7/1/20 to 6/30/21		Ohio Department of Medicaid through Case Western Reserve University/Case Medical Center				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	100			
Sum of Department (Medicine, Department of) Award Count: 59.73						\$4,993,345
Neurology, Department of						
C-124574-06	Long-Term, prospective, multinational, parallel-cohort study monitoring safety in patients with MS newly started on fingolimod once daily or treated with another approved disease-modifying therapy	No	\$180	\$85	\$265	\$265
7/1/20 to 6/30/21						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ramsey-Williams, Vicki A.	Neurology, Department of	80			
Co-I	Koffman, Boyd	Neurology, Department of	20			
C-125177-06	A Phase 2 Clinical Trial of the VX15/2503 Antibody in Huntington's Disease	No	\$32,097	\$15,105	\$47,202	\$47,202
7/1/20 to 6/30/21		Vaccinex, Inc.				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elmer, Lawrence	Neurology, Department of	100			
C-125431-05	An Open-Label, Phase 3 Study Examining the Long-Term Safety, Tolerability and Efficacy of APL-130277 in Levodopa Responsive Patients with Parkinson's Disease Complicated by Motor Fluctuations	No	\$15,148	\$7,128	\$22,276	\$22,276
7/1/20 to 6/30/21						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elmer, Lawrence	Neurology, Department of	100			
C-125470-05	A Clinical Study of Patients with Symptomatic Neurogenic Orthostatic Hypotension to Assess Sustained Effects of Droxidopa Therapy (Study No. 16306A)	No	\$0	\$0	\$0	\$0
7/1/20 to 6/30/21		Lundbeck Inc.				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elmer, Lawrence	Neurology, Department of	100			
Co-I	Scott, Mary E.	Neurology, Department of				

Medicine and Life Sciences, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Neurology, Department of								
C-126796-04	A Phase 3, 12 Wk, Multi-Ctr, Multinational, Rand., Double-Blind, Double-Dummy, Parallel Group Study to Det. the Efficacy, Safety, & Tol. of P2B001 Once Daily Compared to its Individual Components in Subjects W/ Early Parkinson's Disease & to a Calibration Arm of Pramipexole ER, Protocol P2B001/003			No	\$34,992	\$16,467	\$51,459	\$51,459
7/1/20 to 6/30/21								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Elmer, Lawrence	Neurology, Department of				100	
C-126796-05	A Phase 3, 12 Wk, Multi-Ctr, Multinational, Rand., Double-Blind, Double-Dummy, Parallel Group Study to Det. the Efficacy, Safety, & Tol. of P2B001 Once Daily Compared to its Individual Components in Subjects W/ Early Parkinson's Disease & to a Calibration Arm of Pramipexole ER, Protocol P2B001/003			Yes	\$39,584	\$11,875	\$51,459	\$51,459
7/1/21 to 6/30/22								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Elmer, Lawrence	Neurology, Department of				100	
C-127275-02	Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter, Phase 3 Study to Evaluate the Efficacy and Safety of Intravenous BIIB093 (Glibenclamide) for Severe Cerebral Edema following Large Hemispheric Infarction			No	\$931	\$438	\$1,370	\$1,370
7/1/20 to 6/30/21 <i>Biogen, Inc. through ProMedica Health System</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Zaidi, Syed Fazal Abbas	Neurology, Department of				100	
C-127279-02	A Randomized Controlled Study to Compare the Safety and Efficacy of IPX203 with Immediate Release-Carbidopa-Levodopa in Parkinson's disease Patients with Motor Fluctuations			No	\$16,450	\$7,741	\$24,192	\$24,192
7/1/20 to 6/30/21 <i>Impax Laboratories, Inc.</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Elmer, Lawrence	Neurology, Department of				100	
C-127279-03	A Randomized Controlled Study to Compare the Safety and Efficacy of IPX203 with Immediate Release-Carbidopa-Levodopa in Parkinson's disease Patients with Motor Fluctuations			Yes	\$24,192	\$0	\$24,192	\$24,192
7/1/21 to 6/30/22 <i>Impax Laboratories, Inc.</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
	PI/PD	Elmer, Lawrence	Neurology, Department of				100	

Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Neurology, Department of							
C-127352-02-W2	Observational evaluation of effectiveness and patient-reported outcomes (PROs) in suboptimally controlled patients previously Taking oral disease-modifying drugs (DMDs) for relapsing forms of Multiple Sclerosis (RMS) (MASTER-2)		No	\$0	\$0	\$0	\$0
7/1/20 to 6/30/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Derani, Talal M.		Neurology, Department of		100	
C-127352-02-W3	CLadribine tablets: Observational evaluation of effectiveness and patient- reported outcomes (PROs) in suboptimally Controlled patients previously taking injectable disease-modifying drugs (DMDs) for relapsing forms of Multiple Sclerosis (RMS) (CLICK-MS)		No	\$0	\$0	\$0	\$0
7/1/20 to 6/30/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Derani, Talal M.		Neurology, Department of		100	
C-127418-03	ENGAGE-E-001: A Double-Blind, Placebo-Controlled, Inpatient, Dose-Ranging Efficacy Study of Staccato Alprazolam (STAP-001) in Subjects with Epilepsy with a Predictable Seizure Pattern		No	\$0	\$0	\$0	\$0
7/1/20 to 6/30/21 <i>Engage Therapeutics, Inc</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Sheikh, Ajaz Ahmad		Neurology, Department of		100	
C-127565-02	A 14 Week, Double-Blind, Randomized, Three Arm, Parallel Group Study to Assess the Efficacy and Safety of Two Doses of Pridopidine versus Placebo for the Treatment of Levodopa Induced Dyskinesia in Patients with Parkinson's Disease."("Study") in accordance with Sponsor's protocol no. PL101-LID201		No	\$1,161	\$547	\$1,708	\$1,708
7/1/20 to 6/30/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Elmer, Lawrence		Neurology, Department of		100	
C-127577-02-W1	A Randomized, Double-blind, Placebo-controlled, Multicenter Study to Evaluate the Safety, Tolerability and Efficacy of XEN1101 as Adjunctive Therapy in Focal-onset Epilepsy		No	\$10,258	\$4,828	\$15,086	\$15,086
7/1/20 to 6/30/21 Protocol Number: XPF-008-201							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Ali, Imran Izzat		Neurology, Department of		100	

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Neurology, Department of								
C-127750-02	An Open-label Extension Study Of The Safety And Clinical Utility Of IPX203 In Parkinson's Disease Patients With Motor Fluctuations			No	\$2,637	\$1,241	\$3,878	\$3,878
<i>7/1/20 to 6/30/21 Impax Laboratories, Inc.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		
C-127750-03	An Open-label Extension Study Of The Safety And Clinical Utility Of IPX203 In Parkinson's Disease Patients With Motor Fluctuations			Yes	\$3,878	\$0	\$3,878	\$3,878
<i>7/1/21 to 6/30/22 Impax Laboratories, Inc.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		
C-127800-02	A Pilot Randomized, Double-blind, Placebo-controlled Study to Evaluate Safety and Daytime Sedation in Subjects With Parkinson's Disease Treated With Pimavanserin or Low Dose Quetiapine			No	\$10,578	\$4,978	\$15,556	\$15,556
<i>7/1/20 to 6/30/21 Acadia Pharmaceuticals, Inc.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		
C-127958-02	A multicenter, randomized, active-controlled, double-blind, double-dummy, parallel group clinical trial, investigating the efficacy, safety, and tolerability of continuous subcutaneous ND0612 infusion in comparison to oral IR-LD/CD in subjects with Parkinson's disease experiencing motor fluctuations			No	\$10,880	\$5,120	\$16,000	\$16,000
<i>7/1/20 to 6/30/21</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		
C-127996-02	Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy, Safety, and Tolerability of 36 Weeks of Treatment with NLY01 in Early-stage Parkinson's Disease			No	\$2,210	\$1,040	\$3,250	\$3,250
<i>7/1/20 to 6/30/21</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		
C-128018-02	A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Multiple Dose Study to Evaluate Safety, Tolerability and Efficacy of Orally Administered ENT-01 for the Treatment of Parkinson's Disease-Related Constipation (KARMET)			No	\$10,710	\$5,040	\$15,750	\$15,750
<i>7/1/20 to 6/30/21 Enterin, Inc.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of				100		

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Neurology, Department of							
C-128029-02	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP, MULTICENTER TRIAL OF CVL-865 AS ADJUNCTIVE THERAPY IN ADULTS WITH DRUG-RESISTANT FOCAL ONSET SEIZURES		No	\$8,942	\$4,208	\$13,150	\$13,150
7/1/20 to 6/30/21	Cerevel Therapeutics, LLC						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Ali, Imran Izzat		Neurology, Department of		100	
N-128125-01	Phase 2b/3, Randomized, Double-blind, Placebo-controlled, Parallel Group, Multicenter Study to Eval the Safety and Eff. of Dibraglurant (ADX48621) for the Treatment of Dyskinesia in Pts with Parkinson's Disease Rec Levodopa- based Therapy with or without Concomitant Dopaminergic Medications		No	\$6,460	\$3,040	\$9,500	\$9,500
5/26/20 to 6/30/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Elmer, Lawrence		Neurology, Department of		100	
N-128184-01	Tracer		No	\$0	\$0	\$0	\$0
7/22/20 to 5/31/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Jumaa, Mouhammad A.		Neurology, Department of		100	
N-128436-01	A Phase III, Multicenter, Randomized, Parallel Group, Double Blind, Double Dummy, Active Controlled Study of Evobrutinib Compared with Teriflunomide, in Participants with Relapsing Multiple Sclerosis to Evaluate Efficacy and Safety		No	\$14,212	\$6,688	\$20,900	\$20,900
8/11/20 to 6/30/21							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Koffman, Boyd		Neurology, Department of		100	
N-128446-01	A Phase 3, Double-Blind, Randomized, Placebo Controlled, Parallel Group, Flexible Dose, 27 Week Trial to Evaluate the Efficacy, Safety, and Tolerability of Tavapadon as Adjunctive Therapy for Parkinson's Disease in Levodopa Treated Adults With Motor Fluctuations (TEMPO 3 Trial)		No	\$10,034	\$4,721	\$14,755	\$14,755
5/26/20 to 6/30/21	Cerevel Therapeutics, LLC						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Elmer, Lawrence		Neurology, Department of		100	
Sum of Department (Neurology, Department of) Award Count: 25.00							\$355,825

Neurosciences, Department of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Neurosciences, Department of						
C-125299-05	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$474,833	\$183,897	\$658,730	\$65,873
<i>7/1/20 to 6/30/22 National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of	89			
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rapport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of	10			
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of	1			
C-127388-02	Translational assessment of brain bioenergetic function in schizophrenia	No	\$90,063	\$48,184	\$138,247	\$138,247
<i>11/1/20 to 10/31/21 National Institutes of Health through University of Maryland at Baltimore</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Robert E.	Neurosciences, Department of	100			
C-127409-02	Molecular and Functional Analysis of Hirschsprung Defects in Humans and Mouse	No	\$59,137	\$32,230	\$91,367	\$45,684
<i>4/1/21 to 3/31/22 National Institutes of Health through University of Pittsburgh</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Howard, Marthe	Neurosciences, Department of	50			
Co-I	Kalinoski, Andrea L.	Surgery, Department of	50			
C-127986-04	Behavioral and Neurological Effects of Developmental Pyrethroid Exposure in Rodents	No	\$161,165	\$87,835	\$249,000	\$249,000
<i>5/1/21 to 4/30/22 National Institute of Environmental Health Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Burkett, James Patrick	Neurosciences, Department of	100			
N-127247-01-A1	Novel Liver Signaling Pathways Controlling Adiposity	No	\$288,533	\$144,257	\$432,790	\$432,790
<i>7/6/20 to 9/2/20 National Institute of Diabetes, Digestive & Kidney Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hinds, Terry D.	Neurosciences, Department of	100			
N-129186-01	Services Agreement	No	\$15,152	\$4,848	\$20,000	\$20,000
<i>3/1/21 to 9/30/21 University of Alabama at Birmingham</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Robert E.	Neurosciences, Department of	100			

Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>	
Neurosciences, Department of								
S-125299-05-S1	Study of Early Brain Alterations that Predict Development of Chronic PTSD		No	\$190,088	\$103,598	\$293,686	\$58,737	
<i>4/28/21 to 6/30/22</i>	<i>National Institute of Mental Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of			80			
Co-I	Brickman, Kristopher R.	Surgery, Department of						
Co-I	Elhai, Jon D.	Psychology, Department of						
Co-I	Xie, Hong	Neurosciences, Department of			20			
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of						
Sum of Department (Neurosciences, Department of)							Award Count: 4.80	\$1,010,331
Obstetrics & Gynecology, Department of								
C-126681-04	A Phase 3b Study to Evaluate the Long-Term Safety and Efficacy of Elagolix in Combination with Estradiol/Norethindrone Acetate for the Management of Heavy Menstrual Bleeding Associated with Uterine Fibroids in Premenopausal Women		No	\$6,075	\$2,859	\$8,934	\$8,934	
<i>7/1/20 to 6/30/21</i>	<i>AbbVie</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Smaili, Sleiman K.	Obstetrics & Gynecology, Department of			100			
Sum of Department (Obstetrics & Gynecology, Department)							Award Count: 1.00	\$8,934
Orthopaedic Surgery, Department of								
C-127072-02	Nuclear Receptor Chaperones in Signaling & Metabolism		No	\$250,000	\$136,000	\$386,000		
<i>7/1/20 to 6/30/22</i>	<i>National Institute of Diabetes, Digestive & Kidney Diseases</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Sanchez, Edwin	Physiology & Pharmacology, Department of			100			
Co-I	Hinds, Terry D.	Physiology & Pharmacology, Department of						
Co-I	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of						
D-124700-05	Molecular characterization of novel insulin sensitizers		No	\$(3,799)	\$(2,032)	\$(5,831)	\$(5,831)	
<i>5/1/19 to 4/30/21</i>	<i>National Institute of Diabetes, Digestive & Kidney Diseases through Scripps Research Institute</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of			100			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Orthopaedic Surgery, Department of						
S-127072-01-S1	Nuclear Receptor Chaperones in Signaling & Metabolism	No	\$15,000	\$0	\$15,000	\$7,500
8/28/20 to 6/30/21 <i>National Institute of Diabetes, Digestive & Kidney Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Sanchez, Edwin	Physiology & Pharmacology, Department of			50	
Co-I	Hinds, Terry D.	Physiology & Pharmacology, Department of				
Co-I	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of			50	
Sum of Department (Orthopaedic Surgery, Department of) Award Count: 1.50						\$1,669
Orthopedics						
C-127016-03	Common mechanisms regulating osteocyte support for bone remodeling and energy metabolism	No	\$99,305	\$9,930	\$109,235	\$109,235
1/1/21 to 12/31/21 <i>American Diabetes Association-National</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lecka-Czernik, Beata	Orthopedics			100	
N-127984-01	Marrow Adiposity: Bone, Aging, and Beyond 6th International Conference of Bone Marrow Adiposity Society	No	\$26,587	\$0	\$26,587	\$26,587
8/15/20 to 7/31/21 <i>National Institute on Aging</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lecka-Czernik, Beata	Orthopedics			100	
R-128265-03	J & J Course Support	No	\$15,050	\$0	\$15,050	\$15,050
5/26/21 to 12/31/21 <i>Johnson & Johnson Medical Device Business Services Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Ebraheim, Nabil	Orthopedics			100	
Sum of Department (Orthopedics) Award Count: 3.00						\$150,872
Pathology, Department of						
C-127617-02	High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease	No	\$38,080	\$20,372	\$58,452	
2/1/21 to 1/31/22 <i>National Oceanic and Atmospheric Administration through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Haller, Steven T.	Medicine, Department of			48	
PI/PD	Kennedy, David Joseph	Medicine, Department of			47	
Co-I	Gohara, Amira	Pathology, Department of				
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5	
Co-I	Modyanov, Nikolai	Physiology & Pharmacology, Department of				

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Pathology, Department of							
N-128348-01	Development of Novel Inducers of Non-Apoptotic Cell Death to Target TNBC		No	\$999,942	\$422,817	\$1,422,759	\$42,683
<i>1/1/21 to 12/31/23</i>	<i>U.S. Department of Defense</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Tiwari, Amit K.	Pharmacology & Experimental Therapeutics, Department of			88		
Co-I	Gunning, William T.	Pathology, Department of			3		
Co-I	Khuder, Sadik	Medicine, Department of			3		
Co-I	Raman, Dayanidhi	Cancer Biology, Department of			3		
Co-I	Tang, Yuan	Bioengineering, Department of			3		
R-127773-02	Testing Services on Whole Blood		No	\$7,500	\$2,400	\$9,900	\$9,900
<i>9/15/20 to 3/14/21</i>	<i>Invitro Cell Research ICR, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Gunning, William T.	Pathology, Department of			100		
Sum of Department (Pathology, Department of) Award Count: 1.03							\$52,583
Pediatrics, Department of							
N-129073-01	Reach Out and Read		No	\$15,175	\$0	\$15,175	\$15,175
<i>1/1/21 to 12/31/21</i>	<i>Reach Out and Read</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Legendre, Lori R.	Pediatrics, Department of			100		
Sum of Department (Pediatrics, Department of) Award Count: 1.00							\$15,175
Physiology & Pharmacology, Department of							
C-124233-04-101	Defective melanocortin signaling underlying T2D-associated erectile dysfunction		No	\$21,355	\$10,998	\$32,353	\$32,353
<i>4/26/18 to 9/30/21</i>	<i>National Institute of Child Health & Human Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Hill, Jennifer E.W.	Physiology & Pharmacology, Department of			100		
C-126570-04	Genetic, Epigenetic and Dietary Salt effects on Microbiota and Hypertension		No	\$431,411	\$235,119	\$666,530	\$666,530
<i>5/1/21 to 4/30/22</i>	<i>National Heart, Lung & Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Joe, Bina	Physiology & Pharmacology, Department of			100		
Co-I	Kumar, Matam Vijay	Physiology & Pharmacology, Department of					

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physiology & Pharmacology, Department of						
C-126676-05	Interplay between Dietary Fiber and Gut Microbiota in Hepatocellular Carcinoma	No	\$188,019	\$95,240	\$283,259	\$283,259
<i>7/1/20 to 6/30/21 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kumar, Matam Vijay	Physiology & Pharmacology, Department of	100			
C-126965-05	Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis	No	\$145,049	\$79,051	\$224,100	\$224,100
<i>12/1/20 to 11/30/21 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wenceslau, Camilla Ferreira	Physiology & Pharmacology, Department of	100			
C-126965-05-101	Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis	No	\$16,116	\$8,784	\$24,900	\$24,900
<i>12/1/20 to 11/30/21 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wenceslau, Camilla Ferreira	Physiology & Pharmacology, Department of	100			
C-127072-02	Nuclear Receptor Chaperones in Signaling & Metabolism	No	\$250,000	\$136,000	\$386,000	\$386,000
<i>7/1/20 to 6/30/22 National Institute of Diabetes, Digestive & Kidney Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sanchez, Edwin	Physiology & Pharmacology, Department of	100			
Co-I	Hinds, Terry D.	Physiology & Pharmacology, Department of				
Co-I	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of				
C-127617-02	High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease	No	\$38,080	\$20,372	\$58,452	
<i>2/1/21 to 1/31/22 National Oceanic and Atmospheric Administration through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Haller, Steven T.	Medicine, Department of	48			
PI/PD	Kennedy, David Joseph	Medicine, Department of	47			
Co-I	Gohara, Amira	Pathology, Department of				
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of	5			
Co-I	Modyanov, Nikolai	Physiology & Pharmacology, Department of				
D-124233-03	Defective Melanocortin Signaling Underlying T2d-Associated Erectile Dysfunction	No	\$(12,450)	\$(6,412)	\$(18,862)	\$(18,862)
<i>6/14/17 to 9/30/21 National Institute of Child Health & Human Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hill, Jennifer E.W.	Physiology & Pharmacology, Department of	100			

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physiology & Pharmacology, Department of								
N-127457-01-A1	Formyl peptide receptor activation induces vascular plasticity and remodeling in hypertension			No	\$225,000	\$122,625	\$347,625	\$347,625
<i>1/15/21 to 12/31/21 National Heart, Lung & Blood Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Wenceslau, Camilla Ferreira	Physiology & Pharmacology, Department of			100		
N-127457-01-I01	Formyl peptide receptor activation induces vascular plasticity and remodeling in hypertension			No	\$25,000	\$13,625	\$38,625	\$38,625
<i>1/15/21 to 12/31/21 National Heart, Lung & Blood Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Wenceslau, Camilla Ferreira	Physiology & Pharmacology, Department of			100		
N-127586-01	Autophagy regulates β-hydroxybutyrate synthesis to prevent hypertension-associated premature vascular aging			No	\$101,704	\$8,136	\$109,840	\$109,840
<i>7/1/20 to 6/30/21 National Heart, Lung & Blood Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	McCarthy, Cameron G.	Physiology & Pharmacology, Department of					
	Co-I	Joe, Bina	Physiology & Pharmacology, Department of			75		
	Co-I	Kumar, Matam Vijay	Physiology & Pharmacology, Department of			25		
N-128170-01	Anti-Inflammatory Functions of Non-Transcriptional IRF3			No	\$314,051	\$156,988	\$471,039	\$23,552
<i>2/8/21 to 1/31/22 National Institute of Allergy & Infectious Diseases</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			95		
	Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of			5		
	Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of					
N-128558-01	Data Management statement - SARS-CoV-2 wastewater surveillance			No	\$167,915	\$21,979	\$189,894	
<i>7/1/20 to 6/30/21 Ohio Environmental Protection Agency through Ohio State University</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			90		
	Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of					
	Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of			10		
	Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of			0		
N-128558-01-I01	Data Management statement - SARS-CoV-2 wastewater surveillance			No	\$288,301	\$0	\$288,301	\$72,075
<i>7/1/20 to 6/30/21 Ohio Environmental Protection Agency through Ohio State University</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			50		
	Co-I	Chakravarti, Ritu	Physiology & Pharmacology, Department of			25		
	Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of			25		
	Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of					

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physiology & Pharmacology, Department of								
N-128644-01	Gut-brain axis: functional link between microbial metabolites and neurogenic hypertension			No	\$10,678	\$5,819	\$16,497	\$16,497
6/1/21 to 11/30/21	National Center for Complementary and Integrative Health through University of Florida at Gainesville							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Zubcevic, Jasenka	Physiology & Pharmacology, Department of				100		
N-128671-01-A1	Neural mechanisms of host-microbiota interaction in hypertension: a potential for bio-electronic medicine			No	\$30,920	\$9,095	\$40,015	\$40,015
6/1/21 to 5/31/22	National Heart, Lung & Blood Institute							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Zubcevic, Jasenka	Physiology & Pharmacology, Department of				100		
N-128672-01	A novel model to study COVID-19 and Hypertension			No	\$150,000	\$81,750	\$231,750	\$231,750
6/14/21 to 5/31/22	National Institute of Allergy & Infectious Diseases							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Joe, Bina	Physiology & Pharmacology, Department of				100		
Co-I	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of						
Co-I	Huntley, Jason F.	Med Microbiology & Immunology, Department of						
N-128815-01	Dormitory wastewater monitoring of SARS-CoV-2 at Universities and Colleges in the State of Ohio			No	\$162,206	\$38,052	\$200,258	\$80,103
12/1/20 to 6/30/21	Ohio Water Resources Center through Ohio State University							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Chakravarti, Ritu	Physiology & Pharmacology, Department of				40		
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of				40		
PI/PD	Kang, Dae Wook	Civil & Environmental Engineering, Department of				20		
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of						
N-128823-01	Interplay between gut microbiota and bile acids in renal and vascular pathophysiology			No	\$66,926	\$0	\$66,926	\$66,926
4/1/21 to 3/31/22	American Heart Association - National							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Joe, Bina	Physiology & Pharmacology, Department of						
Co-I	Kumar, Matam Vijay	Physiology & Pharmacology, Department of				100		
N-129104-01	The role of the gut-microbiome-brain axis in cardiovascular disease following exposure to prenatal nicotine (8JK06)			No	\$63,533	\$9,530	\$73,063	\$73,063
5/7/21 to 9/30/21	Florida Dept. of Health through University of Florida at Gainesville							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Zubcevic, Jasenka	Physiology & Pharmacology, Department of				100		

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physiology & Pharmacology, Department of						
S-126676-05-S1	Interplay between Dietary Fiber and Gut Microbiota in Hepatocellular Carcinoma	No	\$41,248	\$14,825	\$56,073	\$56,073
<i>8/1/20 to 6/30/21 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kumar, Matam Vijay	Physiology & Pharmacology, Department of		100		
S-126676-05-S2	Interplay between Dietary Fiber and Gut Microbiota in Hepatocellular Carcinoma	No	\$24,511	\$13,358	\$37,869	\$37,869
<i>7/1/20 to 6/30/21 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kumar, Matam Vijay	Physiology & Pharmacology, Department of		100		
S-127072-01-S1	Nuclear Receptor Chaperones in Signaling & Metabolism	No	\$15,000	\$0	\$15,000	\$7,500
<i>8/28/20 to 6/30/21 National Institute of Diabetes, Digestive & Kidney Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Sanchez, Edwin	Physiology & Pharmacology, Department of		50		
Co-I	Hinds, Terry D.	Physiology & Pharmacology, Department of				
Co-I	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of		50		
T-128671-01	Neural mechanisms of host-microbiota interaction in hypertension: a potential for bio-electronic medicine	No	\$343,472	\$81,855	\$425,327	\$425,327
<i>6/1/21 to 5/31/22 National Heart, Lung & Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Zubcevic, Jasenka	Physiology & Pharmacology, Department of		100		
Sum of Department (Physiology & Pharmacology, Departm					Award Count: 19.20	\$3,225,120
Psychiatry, Department of						
C-010532-26	Adult Psychiatry Residency and Training Program	No	\$38,095	\$1,905	\$40,000	\$40,000
<i>7/1/20 to 6/30/21 Ohio Department of Mental Health and Addiction Services</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kelly, Victoria C.	Psychiatry, Department of		100		
C-101317-16	Child and Adolescent Psychiatry Residency and Training Program	No	\$28,571	\$1,429	\$30,000	\$30,000
<i>7/1/20 to 6/30/21 Ohio Department of Mental Health and Addiction Services</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Knox, Michele	Psychiatry, Department of		50		
Co-I	Kelly, Victoria C.	Psychiatry, Department of		25		
Co-I	Migliori, Jamie Leigh	Psychiatry, Department of		25		

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Psychiatry, Department of						
C-125299-05	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$474,833	\$183,897	\$658,730	\$586,270
<i>7/1/20 to 6/30/22</i>	<i>National Institute of Mental Health</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rapport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond	No	\$114,127	\$9,130	\$123,257	\$12,326
<i>9/30/20 to 9/29/22</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of		30		
Co-I	Gray, Temeaka A.	Nursing, College of				
Co-I	Johnson, Tressa S.	University Police		10		
Co-I	Laux, John Micah	School of Intervention & Wellness		10		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of		10		
Co-I	Petra, Megan Meta	School of Social Justice		10		
Co-I	Riddick, Vicki L.	Human Resources		10		
Co-I	Thompson, Amy J.	School of Population Health		20		
C-127182-03	Designed for DATA	No	\$138,657	\$11,093	\$149,750	\$149,750
<i>9/30/20 to 9/29/21</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lewis, Chandani	Psychiatry, Department of		34		
Co-I	Dowling, Jamie L.	Psychiatry, Department of		33		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of		33		
Co-I	Singh, Tanvir	Resid Prgm-Psychiatry				
Co-I	Williams, Kristi	Psychiatry, Department of				
C-127387-02	Optimizing HEALing in Ohio Communities (OHIO)	No	\$40,778	\$22,122	\$62,900	\$62,900
<i>4/1/20 to 3/31/21</i>	<i>National Institute on Drug Abuse through Case Western Reserve University/Case Medical Center</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		100		

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Psychiatry, Department of						
C-127387-03	Optimizing HEALing in Ohio Communities (OHIO)	No	\$28,122	\$15,326	\$43,448	\$43,448
4/1/21 to 3/31/22 National Institute on Drug Abuse through Case Western Reserve University/Case Medical Center						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	100			
C-127604-02-I02	Ohio State Opioid Response (SOR) Project	No	\$83,130	\$8,312	\$91,442	\$91,442
9/30/20 to 11/29/20 Substance Abuse and Mental Health Services Administration through Mental Health and Recovery Services Board						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	100			
C-128402-02	CO2 Inhalation enhances the lability of fear memory	No	\$8,890	\$4,845	\$13,735	\$13,735
5/1/21 to 4/30/22 National Institutes of Health through University of Tennessee						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of	100			
N-128402-01	CO2 Inhalation enhances the lability of fear memory	No	\$8,890	\$4,845	\$13,735	\$13,735
5/1/20 to 4/30/21 National Institutes of Health through University of Tennessee						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of	100			
N-128633-01	Remote Implementation of the ACT Raising Safe Kids Program to Prevent Child Maltreatment During the COVID-19 Pandemic	No	\$11,249	\$1,125	\$12,374	\$12,374
11/1/20 to 6/30/21 Ohio Children's Trust Fund through University Hospitals of Cleveland						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Knox, Michele	Psychiatry, Department of	100			
N-128887-01	Ohio State Opioid Response (SOR) Project 2.0	No	\$318,140	\$7,936	\$326,076	\$326,076
10/1/20 to 9/30/21 Substance Abuse and Mental Health Services Administration through Mental Health and Recovery Services Board						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	100			
S-125299-05-S1	Study of Early Brain Alterations that Predict Development of Chronic PTSD	No	\$190,088	\$103,598	\$293,686	\$234,949
4/28/21 to 6/30/22 National Institute of Mental Health						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wang, Xin	Psychiatry, Department of	80			
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Xie, Hong	Neurosciences, Department of	20			
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of				

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Sum of Department (Psychiatry, Department of)				Award Count: 11.79		\$1,617,004
Resid Prgm-Family Practice						
C-126701-04	Choose Ohio First: PCMH	No	\$60,000	\$0	\$60,000	\$60,000
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice			100	
N-126701-01	Choose Ohio First: PCMH	Yes	\$93,220	\$0	\$93,220	\$69,915
<i>7/1/17 to 6/30/18 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice			75	
Co-PI	Hickey, Daniel	Family Medicine, Department of			25	
Stdnt Schol	Ingram, Evan Miles					
Stdnt Schol	Miniato, Mohammed A.					
Stdnt Schol	Najjar, Amira Amanda					
Stdnt Schol	Saleh, Hanan Ahmed					
Stdnt Schol	Sims, Ariel B.					
Stdnt Schol	Soni, Jalpa Shivam					
Sum of Department (Resid Prgm-Family Practice)				Award Count: 1.75		\$129,915
Resid Prgm-Psychiatry						
C-127182-03	Designed for DATA	No	\$138,657	\$11,093	\$149,750	
<i>9/30/20 to 9/29/21 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lewis, Chandani	Psychiatry, Department of			34	
Co-I	Dowling, Jamie L.	Psychiatry, Department of			33	
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of			33	
Co-I	Singh, Tanvir	Resid Prgm-Psychiatry				
Co-I	Williams, Kristi	Psychiatry, Department of				
Sum of Department (Resid Prgm-Psychiatry)				Award Count:		
Resid Prgm-Urology						
C-127102-02-A1	Molecular Marker for Centrioles Remodeling in Human Reproduction	No	\$50,000	\$25,250	\$75,250	\$3,763
<i>9/1/20 to 8/31/22 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Avidor-Reiss, Tomer	Biological Sciences, Department of			95	
Co-I	Sindhvani, Puneet	Resid Prgm-Urology			5	
Sum of Department (Resid Prgm-Urology)				Award Count: 0.05		\$3,763
Surgery, Department of						

Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Surgery, Department of							
C-124711-06	Registry Study: Randomized, Multicenter, Controlled Trial to Compare Best Endovascular versus Best Surgical Therapy in Patients with Critical Limb Ischemia		No	\$4,760	\$2,240	\$7,000	\$7,000
<i>7/1/20 to 6/30/21</i>	<i>National Heart, Lung & Blood Institute through New England Research Institutes, Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nazzal, Munier M.S.	Surgery, Department of				100	
C-125299-05	Study of Early Brain Alterations that Predict Development of Chronic PTSD		No	\$474,833	\$183,897	\$658,730	
<i>7/1/20 to 6/30/22</i>	<i>National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of				89	
Co-I	Brickman, Kristopher R.	Surgery, Department of					
Co-I	Elhai, Jon D.	Psychology, Department of					
Co-I	Rapport, Daniel J.	Psychiatry, Department of					
Co-I	Tull, Matthew T.	Psychology, Department of					
Co-I	Xie, Hong	Neurosciences, Department of				10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of				1	
C-125530-06	An International, Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 3 Trial Investigating Efficacy & Safety of Rivaroxaban to Reduce Risk of Major Thrombotic Vascular Events in Patients w/ Symptomatic Peripheral Artery Disease Undergoing Lower Extremity Revascularization Procedures		No	\$3,235	\$1,523	\$4,758	\$4,758
<i>7/1/20 to 6/30/21</i>	<i>Bayer Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nazzal, Munier M.S.	Surgery, Department of				100	
C-126348-04	IRB # 202128, A randomized, multicenter, phase 2 study of DSP-7888 dosing emulsion in combination with bevacizumab versus bevacizumab alone in patients with recurrent or progressive glioblastoma following initial therapy study		No	\$1,370	\$645	\$2,015	\$2,015
<i>7/1/20 to 6/30/21</i>	<i>Boston Biomedical</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schroeder, Jason Lee	Surgery, Department of				100	

Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Surgery, Department of							
C-127002-04	A Randomized Phase 2 Trial of AM0010 in Combination with Nivolumab Vs. Nivolumab Alone s Second Line Therapy in Patients With Stage IV/Metastatic Wild Type Non-Small Cell Lung Cancer and Low Tumor Expression of PD-L1 ("Cypress 2" J1L-AM-JZGD)		No	\$24,965	\$11,748	\$36,713	
<i>7/1/20 to 6/30/21</i>	<i>Eli Lilly and Company</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of			100		
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
C-127023-03	STANDARD CHEMOTHERAPY VERSUS CHEMOTHERAPY CHOSEN BY CANCER STEM CELL CHEMOSENSITIVITY TESTING IN THE MANAGEMENT OF PATIENTS WITH RECURRENT GLIOBLASTOMA MULTIFORME (GBM). IRB#202696		No	\$680	\$320	\$1,000	\$1,000
<i>7/1/20 to 6/30/21</i>	<i>Cordgenics, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Schroeder, Jason Lee	Surgery, Department of			100		
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
C-127409-02	Molecular and Functional Analysis of Hirschsprung Defects in Humans and Mouse		No	\$59,137	\$32,230	\$91,367	\$45,684
<i>4/1/21 to 3/31/22</i>	<i>National Institutes of Health through University of Pittsburgh</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Howard, Marthe	Neurosciences, Department of			50		
Co-I	Kalinoski, Andrea L.	Surgery, Department of			50		
S-125299-05-S1	Study of Early Brain Alterations that Predict Development of Chronic PTSD		No	\$190,088	\$103,598	\$293,686	
<i>4/28/21 to 6/30/22</i>	<i>National Institute of Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of			80		
Co-I	Brickman, Kristopher R.	Surgery, Department of					
Co-I	Elhai, Jon D.	Psychology, Department of					
Co-I	Xie, Hong	Neurosciences, Department of			20		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of					
Sum of Department (Surgery, Department of) Award Count: 4.50							\$60,457

Urology, Department of

Medicine and Life Sciences, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Urology, Department of								
C-122448-08	Optimization and Simulation of Kidney Paired Donation Programs			No	\$18,381	\$9,834	\$28,215	\$28,215
5/1/20 to 4/30/21	National Institute of Diabetes, Digestive & Kidney Diseases through University of Michigan							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Rees, Michael A.	Urology, Department of			100		
C-123876-08	A 24-Month, Single-Center, Pilot, Open-Label, Randomized, Controlled Trial to Evaluate the Efficacy and Safety of Calcineurin-Inhibitor Elimination or Reduction [...]Everolimus@IMyfortic® versus Reduced Dose tacrolimusEverolimus® in Adult Renal Transplant Recipients [. .]			No	\$53,802	\$17,217	\$71,019	\$71,019
7/1/20 to 12/31/20								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Rees, Michael A.	Urology, Department of			100		
C-127516-03	APOL1 studies in kidney transplantation consortium clinical centers (ASK-CCC)			No	\$1,954	\$1,065	\$3,019	\$3,019
6/1/20 to 5/31/21	National Institutes of Health through Cleveland Clinic Foundation							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ekwenna, Obi	Urology, Department of			100		
C-128140-02	Phase 3, Multicenter, Double-Blind, Randomized, Placebo-Controlled Trial of Infigratinib for the Adjuvant Treatment of Subjects with Invasive Urothelial Carcinoma with Susceptible FGFR3 Genetic Alterations			No	\$36,510	\$17,260	\$53,770	\$53,770
7/1/20 to 6/30/21								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Petros, Firas G.	Urology, Department of			100		
N-127919-01	Tumor metabolism as the new Achilles' heel in prostate cancer			No	\$750,000	\$408,750	\$1,158,750	\$1,158,750
9/1/20 to 8/31/23	U.S. Department of Defense							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Nadiminty, Nagalakshmi	Urology, Department of			100		
N-128636-01	Sample Collection for Prospera Enhancement by Detecting dd-cfDNA Levels-PEDAL Study			No	\$6,120	\$2,880	\$9,000	\$9,000
10/31/20 to 6/30/21	Natera Inc							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ekwenna, Obi	Urology, Department of			100		

Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Urology, Department of						
N-128649-01	A Phase 3 Study of CG0070 in Patients with Non-Muscular Invasive Bladder Cancer (NMIBC) Unresponsive to Bacillus-Calmette-Guerin (BCG)	No	\$44,804	\$21,084	\$65,888	
<i>9/21/20 to 6/30/21</i>	<i>CG Oncology, Inc.</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Petros, Firas G.	Urology, Department of				
Co-I	Skeel, Roland	Medicine, Department of		100		
Sum of Department (Urology, Department of)				Award Count: 6.00		\$1,323,773
Sum of College (Medicine and Life Sciences, College of)				Award Count: 166.23		\$18,617,670

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Biological Sciences, Department of						
C-125765-05	Analysis of mechanisms involved in induction of abiotic and biotic stress tolerance in Horticulture Crops Through Nutrition or Temperature	No	\$176,180	\$17,618	\$193,798	\$193,798
<i>7/1/20 to 9/30/21</i>	<i>U.S. Department of Agriculture</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Leisner, Scott M.	Biological Sciences, Department of		100		
C-125932-04	Immune Evasion in Aquatic Rhabdoviral Pathogens	No	\$287,791	\$0	\$287,791	\$287,791
<i>7/1/20 to 6/30/21</i>	<i>U.S. Department of Agriculture</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Krishnamurthy, Malathi	Biological Sciences, Department of		100		
C-126083-03	The role of platelets in oral candidiasis	No	\$240,971	\$131,329	\$372,300	\$186,150
<i>1/1/21 to 12/31/21</i>	<i>National Institute of Dental and Craniofacial Research</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of		50		
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of		50		
C-126083-03-I01	The role of platelets in oral candidiasis	No	\$26,774	\$14,592	\$41,366	\$20,683
<i>1/1/21 to 12/31/21</i>	<i>National Institute of Dental and Craniofacial Research</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of		50		
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of		50		

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Biological Sciences, Department of						
C-126943-04	RESEARCH - PGR: Elucidating Maize Gene Regulatory Networks to Accelerate Translational Genomics	No	\$128,835	\$60,744	\$189,579	\$189,579
<i>2/1/21 to 1/31/22 National Science Foundation through Michigan State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gray, John	Biological Sciences, Department of	100			
Stdnt Schol	John, Jerrin					
Stdnt Schol	Tschantz, Jessica June					
C-127102-02-A1	Molecular Marker for Centrioles Remodeling in Human Reproduction	No	\$50,000	\$25,250	\$75,250	\$71,487
<i>9/1/20 to 8/31/22 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Avidor-Reiss, Tomer	Biological Sciences, Department of	95			
Co-I	Sindhvani, Puneet	Resid Prgm-Urology	5			
C-127256-02	The Role of MicroRNAs in Axon Pathfinding	No	\$50,000	\$25,250	\$75,250	\$75,250
<i>7/1/20 to 6/30/22 National Institute of Child Health & Human Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liu, Guofa	Biological Sciences, Department of	100			
C-127676-02	Regulation of epithelial junctions and lumen morphogenesis by the Scribble/SGEF/Dlg1 complex	No	\$216,690	\$88,873	\$305,563	\$305,563
<i>4/1/21 to 3/31/22 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of	100			
Co-I	Goicoechea, Silvia M.	Biological Sciences, Department of				
Stdnt Schol	Davuluri, Tarak Sai					
N-128548-01	Regulation of Ferroptosis by the p53/CDK/Rb Axis	No	\$300,000	\$151,500	\$451,500	\$293,475
<i>6/1/21 to 5/31/24 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Taylor, William R.	Biological Sciences, Department of	65			
Co-I	Tillekeratne, Liyanaaratchige	Medicinal and Biological Chemistry, Department of	35			
N-128588-01	MALDI-TOF Analysis of PGR Stability in HM-1354-A	No	\$10,533	\$5,319	\$15,852	\$15,852
<i>8/1/20 to 1/31/22 Horizon Ag-Products L.P.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zellner, Wendy L.	Biological Sciences, Department of	100			
N-129021-01	STELLARIS Award - Equipment	No	\$401,644	\$0	\$401,644	\$401,644
<i>3/9/21 to 3/8/22 Leica Microsystems</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of	100			

Natural Sciences & Mathematics, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Biological Sciences, Department of							
S-127676-02-S2	Regulation of epithelial junctions and lumen morphogenesis by the Scribble/SGEF/Dlg1 complex		No	\$4,500	\$2,273	\$6,773	\$6,773
<i>4/1/21 to 3/31/22</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			100		
Co-I	Goicoechea, Silvia M.	Biological Sciences, Department of					
Stdnt Schol	Davuluri, Tarak Sai						
S-128361-01-I01	Expanding the SCOPE of Science Classes through Cyber-Enabled Instrumentation		No	\$2,879	\$576	\$3,455	\$1,037
<i>6/1/20 to 6/30/21</i>	<i>American Society for Cell Biology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			15		
Co-I	Avidor-Reiss, Tomer	Biological Sciences, Department of			15		
Co-I	Kirschbaum, Kristin	Instrumentation Center			70		
Sum of Department (Biological Sciences, Department of)						Award Count: 10.90	\$2,049,082
Chemistry and Biochemistry, Department of							
C-125732-05	Counter Regulatory Mechanisms of Cardiotonic Steroids in Cardio-Renal Syndrome		No	\$250,000	\$128,750	\$378,750	\$37,875
<i>4/1/21 to 3/31/22</i>	<i>National Heart, Lung & Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kennedy, David Joseph	Medicine, Department of			90		
Co-I	Haller, Steven T.	Medicine, Department of					
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5		
Co-I	Zhu, Jianglong	Chemistry and Biochemistry, Department of			5		
C-125971-04	Rapid and Economic Synthesis of Next Generation Herbicides via Carbon Dioxide-Directed C-H Bond Functionalization		No	\$100,000	\$0	\$100,000	\$100,000
<i>7/1/20 to 6/30/21</i>	<i>Herman Frasch Fd</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Young, Michael Christopher	Chemistry and Biochemistry, Department of			100		
Stdnt Schol	Fields, Hunter L.						
Stdnt Schol	Fu, Yu						
Stdnt Schol	Grant, Aaron James						
Stdnt Schol	Mather, Carolina B.						

Natural Sciences & Mathematics, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemistry and Biochemistry, Department of							
C-126018-04	Development of novel approaches for stereoelective construction of glycosidic linkages		No	\$201,133	\$95,539	\$296,672	\$296,672
6/1/20 to 5/31/22	National Institute of General Medical Sciences through University of California - Santa Barbara						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Zhu, Jianglong	Chemistry and Biochemistry, Department of				100	
C-127518-02	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity		No	\$290,151	\$146,526	\$436,677	\$196,505
1/1/21 to 12/31/21	National Institute of Allergy & Infectious Diseases						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Suheck, Steven Joseph	Chemistry and Biochemistry, Department of				45	
Co-I	Prestwich, Erin G.	Medicinal and Biological Chemistry, Department of				17	
Co-I	Wall, Katherine Ann	Medicinal and Biological Chemistry, Department of				38	
Stdnt Schol	Carlson, Eric Andrew						
Stdnt Schol	Dodson, Taylor Ann						
Stdnt Schol	Yerg, John Keith						
C-127616-02	On-site and in laboratory quantitative analysis of pharmaceuticals and PFAS in fish by solid-phase microextraction technology coupled to mass spectrometry		No	\$40,102	\$19,850	\$59,952	\$59,952
2/1/21 to 1/31/22	National Oceanic and Atmospheric Administration through Ohio Sea Grant Program						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of				100	
C-127617-02	High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease		No	\$38,080	\$20,372	\$58,452	\$2,923
2/1/21 to 1/31/22	National Oceanic and Atmospheric Administration through Ohio State University						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Haller, Steven T.	Medicine, Department of				48	
PI/PD	Kennedy, David Joseph	Medicine, Department of				47	
Co-I	Gohara, Amira	Pathology, Department of					
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of				5	
Co-I	Modyanov, Nikolai	Physiology & Pharmacology, Department of					
C-127690-02	Temperature dependent lattice constants of negative thermal expansion material Al2Sc1.8Mo3O12		No	\$2,500	\$0	\$2,500	\$2,500
10/1/20 to 8/31/22	International Centre for Diffraction Data						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Lind-Kovacs, Cora	Chemistry and Biochemistry, Department of				100	

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemistry and Biochemistry, Department of						
C-127952-04	Novel methods and Technologies for Synthesis of Biomedically Relevant Carbohydrates	No	\$148,081	\$70,338	\$218,419	\$218,419
<i>7/1/20 to 6/30/21 National Institutes of Health through University of Georgia at Athens</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Andreana, Peter R.	Chemistry and Biochemistry, Department of			100	
C-128149-02	Mycobacterial trehalose metabolism as drug targets	No	\$144,174	\$72,808	\$216,982	\$216,982
<i>7/1/20 to 6/30/21 National Institute of Allergy & Infectious Diseases through University of Nebraska Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Sucheck, Steven Joseph	Chemistry and Biochemistry, Department of			100	
C-128363-02	Harmful Algae Microbiome	No	\$80,965	\$19,035	\$100,000	\$60,000
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Lawrence Livermore National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Isailovic, Dragan	Chemistry and Biochemistry, Department of			60	
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			40	
Stdnt Schol	Wank, Justin	Environmental Sciences, Department of				
N-127562-01-101	Assessment, Accreditation and Faculty Development	No	\$9,000	\$0	\$9,000	\$9,000
<i>7/1/20 to 7/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schneider, Barbara J.	English, Department of			0	
PI/PD	Toole, Amy P.	Chemistry and Biochemistry, Department of			100	
Co-I	Bartell, Denise Susan	Honors Program				
N-127906-01	Mechanistic Investigation of Proteostasis at the Outer Mitochondrial Membrane	No	\$250,000	\$126,250	\$376,250	\$376,250
<i>9/1/20 to 8/31/21 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wohlever, Matthew	Chemistry and Biochemistry, Department of			100	
Stdnt Schol	Arif, Hoda					
Stdnt Schol	Cole, Jocelyn Danielle					
Stdnt Schol	Gregory, Connor Alexander					
Stdnt Schol	Ou, Alice					
Stdnt Schol	Tessean, Brooke Leeann					
Stdnt Schol	Walker, Nathan Daniel					
Stdnt Schol	Walter, Isabella Ruth					

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemistry and Biochemistry, Department of							
N-127990-01	Regio- and Enantioselective Alkene Difunctionalizations for the Synthesis of Bioactive Molecules		No	\$300,000	\$151,500	\$451,500	\$451,500
<i>9/1/20 to 8/31/23</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Li, Wei	Chemistry and Biochemistry, Department of			100		
Stdnt Schol	Gembreska, Nathan Ray						
Stdnt Schol	Huynh, Michelle Mae						
Stdnt Schol	Roberts, Leo Patrick						
Stdnt Schol	Vesoulis, Megan Marie						
Stdnt Schol	Vogel, Alexander Kyle						
Stdnt Schol	Ziegelmeyer, Elizabeth Claire						
N-128172-01	Using Microcystin Degrading Bacteria and their Enzymes for Water Treatment		No	\$219,147	\$117,244	\$336,391	\$16,820
<i>9/1/20 to 8/30/21</i>	<i>National Oceanic and Atmospheric Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Huntley, Jason F.	Med Microbiology & Immunology, Department of			95		
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5		
N-128255-01	Optical control of endogenous G protein Coupled Receptor and G Protein Signaling		No	\$210,000	\$106,050	\$316,050	\$316,050
<i>1/15/21 to 12/31/21</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Karunaratne, Welivitiya K.	Chemistry and Biochemistry, Department of			85		
Co-I	Suheck, Steven Joseph	Chemistry and Biochemistry, Department of			15		
N-128261-01	Structural and proton dynamics of pyridoxal-5'-phosphate dependent enzymes		No	\$64,283	\$30,447	\$94,730	\$94,730
<i>9/15/20 to 8/31/21</i>	<i>National Institutes of Health through University of Georgia at Athens</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Mueser, Timothy	Chemistry and Biochemistry, Department of			100		
N-128710-01	Molecular Design of Lead Acid Battery Model Expanders		No	\$188,857	\$83,054	\$271,911	\$271,911
<i>6/1/21 to 5/31/22</i>	<i>Argonne National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Lind-Kovacs, Cora	Chemistry and Biochemistry, Department of			100		
Stdnt Schol	Hannah, Margaret Louise						

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Chemistry and Biochemistry, Department of						
S-127906-01-S1	Mechanistic Investigation of Proteostasis at the Outer Mitochondrial Membrane	No	\$3,560	\$1,798	\$5,358	\$5,358
<i>9/1/20 to 8/21/21 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wohlever, Matthew	Chemistry and Biochemistry, Department of			100	
Stdnt Schol	Walter, Isabella Ruth					
Sum of Department (Chemistry and Biochemistry, Departm) Award Count: 14.25						\$2,733,446
Environmental Sciences, Department of						
C-123361-09	Lake Erie Bathing Beach Monitoring	No	\$15,396	\$2,771	\$18,167	\$18,167
<i>6/17/21 to 9/30/22 U.S. Environmental Protection Agency through Ohio Department of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Dwyer, Daryl	Environmental Sciences, Department of			100	
Stdnt Schol	Schassberger, Owen Michael					
C-126439-04	Grass Carp Spawning Potential in the Sandusky River	No	\$183,767	\$26,422	\$210,189	\$105,095
<i>9/15/20 to 9/14/21 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Qian, Song S.	Environmental Services			50	
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of			50	
C-127220-02-I01	Gray Vireo Demography	No	\$9,288	\$2,414	\$11,702	\$11,702
<i>7/1/20 to 6/30/21 U.S. Fish and Wildlife Service through New Mexico Dept. of Game and Fish</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Streby, Henry M.	Environmental Sciences, Department of			100	
Stdnt Schol	Glanville, Kandace	Environmental Sciences, Department of				
Stdnt Schol	Kammerichs-Berke, Deven	Environmental Sciences, Department of				
Stdnt Schol	Stephens, Gage	Environmental Sciences, Department of				
C-127412-02	Lake Erie Whitefish: ecology of early life history stages and possible fisheries implications	No	\$47,038	\$14,111	\$61,149	\$61,149
<i>5/31/20 to 1/31/22 Nature Conservancy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of			50	
Co-I	DeBruyne, Robin	Environmental Sciences, Department of			50	
C-127524-02	Assessment of Sandusky River habitat for walleye spawning	No	\$64,655	\$3,750	\$68,405	\$68,405
<i>7/1/20 to 6/30/21 U.S. Fish and Wildlife Service through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Bossenbroek, Jonathan	Environmental Sciences, Department of			34	
Co-I	Crail, Todd	Environmental Sciences, Department of			32	
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of			34	

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Environmental Sciences, Department of						
C-127589-02	Assessing the impact of shore management on the resilience of coastal environmental microbiomes	No	\$39,867	\$20,133	\$60,000	\$60,000
<i>2/1/21 to 1/31/22 National Oceanic and Atmospheric Administration through Ohio Sea Grant Program</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spanbauer, Trisha	Environmental Sciences, Department of	85			
Co-I	Becker, Richard	Environmental Sciences, Department of	15			
C-127705-02	Foodweb Dynamics in Western Lake Erie Associated with CSMI Sampling	No	\$212,766	\$37,234	\$250,000	\$250,000
<i>9/15/20 to 9/14/21 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of	50			
Co-I	DeBruyne, Robin	Environmental Sciences, Department of	50			
C-127833-02	Transitioning to a Long-Term Ecosystem Monitoring Program in the St. Clair-Detroit River System	No	\$170,128	\$29,772	\$199,900	\$199,900
<i>9/15/20 to 9/14/22 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of	50			
Co-I	DeBruyne, Robin	Environmental Sciences, Department of	50			
Stdnt Schol	Jones, Dylan C.					
C-128267-02	Grass carp removal from Lake Erie and tributaries	No	\$341,989	\$17,099	\$359,088	\$359,088
<i>3/1/21 to 2/28/22 Great Lakes Fishery Commission</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of	25			
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of	25			
Co-I	Hintz, William	Environmental Sciences, Department of	25			
Co-I	Qian, Song S.	Environmental Sciences, Department of	25			
C-128363-02	Harmful Algae Microbiome	No	\$80,965	\$19,035	\$100,000	
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Lawrence Livermore National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Isailovic, Dragan	Chemistry and Biochemistry, Department of	60			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	40			
Stdnt Schol	Wank, Justin	Environmental Sciences, Department of				

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Environmental Sciences, Department of						
C-128627-02	H2Ohio Wetland Monitoring Program (Phase 3)	No	\$297,900	\$29,790	\$327,690	\$245,768
<i>6/1/21 to 6/30/22 Ohio Department of Natural Resources through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of	40			
Co-I	Becker, Richard	Environmental Sciences, Department of	25			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	25			
Co-I	Qian, Song S.	Environmental Sciences, Department of	10			
Stdnt Schol	Martz, Michael T.					
Stdnt Schol	McMahan, Michala Dane					
Stdnt Schol	Tomalewski, Anthony M.					
N-128252-01	Structural controls on wetlands' hydrological capacity for nutrient attenuation within the Maumee watershed	No	\$6,689	\$3,311	\$10,000	\$10,000
<i>8/1/20 to 7/31/21 National Oceanic and Atmospheric Administration through Ohio Sea Grant Program</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of	100			
Stdnt Schol	Becker, Anna M.					
Stdnt Schol	Kolapkar, Amar Mohan					
N-128326-01	Recalibration for Improved Historical Toxicity Measurement in Western Lake Erie	No	\$7,936	\$2,063	\$9,999	\$9,999
<i>8/1/20 to 7/31/22 National Oceanic and Atmospheric Administration through Ohio Sea Grant Program</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Qian, Song S.	Environmental Sciences, Department of	100			
N-128384-01	Lake Sturgeon survival, habitat use, and movements in Lake Erie	No	\$64,467	\$11,282	\$75,749	\$75,749
<i>9/15/20 to 9/14/22 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hintz, William	Environmental Sciences, Department of	50			
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of	25			
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of	25			
N-128568-01	Soil extraction and determination of microbial phosphorus, nitrogen, and carbon	No	\$1,350	\$439	\$1,789	\$1,789
<i>7/20/20 to 7/19/21 University of Minnesota</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	100			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Environmental Sciences, Department of						
N-128616-01	COMPASS FME	No	\$1,094,038	\$412,868	\$1,506,906	\$1,205,525
<i>5/10/21 to 4/30/23 U.S. Department of Energy through Battelle Memorial Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	40			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	20			
Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of	20			
Co-I	Qian, Song S.	Environmental Sciences, Department of	20			
Co-I	Spanbauer, Trisha	Environmental Sciences, Department of	20			
Stdnt Schol	Kohart, Corbin Joseph					
Stdnt Schol	Kolapkar, Amar Mohan					
N-128616-01-W1	COMPASS GLM	No	\$115,714	\$44,255	\$159,969	\$159,969
<i>5/10/21 to 4/30/23 U.S. Department of Energy through Battelle Memorial Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Qian, Song S.	Environmental Sciences, Department of	100			
N-128616-01-W2	COMPASS FME - Pre Award	No	\$52,192	\$20,903	\$73,095	\$43,857
<i>1/4/21 to 8/31/21 U.S. Department of Energy through Battelle Memorial Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	40			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	20			
Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of	20			
Co-I	Spanbauer, Trisha	Lake Erie Soil and Water Research and Education Center	20			
N-128620-01	Quantifying water flow pathway redistribution under agricultural drainage	No	\$10,000	\$0	\$10,000	\$10,000
<i>6/1/21 to 5/31/22 Ohio Water Resources Center through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of	100			
N-128627-01	H2Ohio Wetland Monitoring Program	No	\$12,520	\$1,252	\$13,772	\$9,640
<i>6/22/20 to 6/30/21 Ohio Department of Natural Resources through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of	40			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	30			
Co-I	Qian, Song S.	Environmental Sciences, Department of	30			
N-128757-01	Grass Carp Reproduction in Lake Erie	No	\$115,671	\$19,192	\$134,863	\$134,863
<i>3/10/21 to 3/9/22 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Qian, Song S.	Environmental Sciences, Department of	50			
Co-PI	Mayer, Christine Marie	Environmental Sciences, Department of	50			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Environmental Sciences, Department of						
N-128845-01	Removal of invasive grass carp from Lake Erie and tributaries: targeted collection and modeling to improve catch	No	\$360,218	\$36,022	\$396,240	\$396,240
<i>4/1/21 to 6/30/22 U.S. Fish and Wildlife Service through Ohio Department of Natural Resources</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of			25	
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of			25	
Co-I	Hintz, William	Environmental Sciences, Department of			25	
Co-I	Qian, Song S.	Environmental Sciences, Department of			25	
N-128846-01	Building Resilient Shorelines—Shoreline Alterations and Nearshore Habitat	No	\$27,273	\$2,727	\$30,000	\$30,000
<i>7/1/20 to 6/30/22 National Oceanic and Atmospheric Administration through Ohio Department of Natural Resources</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Becker, Richard	Environmental Sciences, Department of			100	
S-127785-01-S1	Investigating leaf angle response to temperature and carbon dioxide	No	\$58,740	\$5,874	\$64,614	\$64,614
<i>8/1/20 to 7/31/21 U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Heckathorn, Scott Alan	Environmental Sciences, Department of			100	
S-128148-01-S1	Removal of invasive grass carp from Lake Erie and tributaries: targeted collection and modeling to improve catch--includes Barn	No	\$50,000	\$0	\$50,000	\$50,000
<i>12/9/20 to 6/30/22 U.S. Fish and Wildlife Service through Ohio Department of Natural Resources</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of			34	
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of			33	
Co-I	Qian, Song S.	Environmental Sciences, Department of			33	
Sum of Department (Environmental Sciences, Department						Award Count: 22.35
						\$3,581,518
Instrumentation Center						
S-128361-01-I01	Expanding the SCOPE of Science Classes through Cyber-Enabled Instrumentation	No	\$2,879	\$576	\$3,455	\$2,418
<i>6/1/20 to 6/30/21 American Society for Cell Biology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			15	
Co-I	Avidor-Reiss, Tomer	Biological Sciences, Department of			15	
Co-I	Kirschbaum, Kristin	Instrumentation Center			70	
Sum of Department (Instrumentation Center)						Award Count: 0.70
						\$2,418
Lake Erie Soil and Water Research and Education Center						

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Lake Erie Soil and Water Research and Education Center							
C-126208-03	Lake Erie Center for Fresh Waters and Human Health--BGSU NIH subaward		No	\$24,438	\$11,608	\$36,046	\$36,046
<i>7/1/20 to 6/30/21</i>	<i>National Institutes of Health through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			100		
C-126208-04	Lake Erie Center for Fresh Waters and Human Health--BGSU NIH subaward		No	\$24,780	\$11,771	\$36,551	\$36,551
<i>7/1/21 to 6/30/22</i>	<i>National Institutes of Health through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			100		
C-127386-03	Lake Erie Center for Fresh Waters and Human Health--BGSU NSF subaward		No	\$54,269	\$25,778	\$80,047	\$80,047
<i>10/1/20 to 9/30/21</i>	<i>National Science Foundation through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			100		
C-127386-04	Lake Erie Center for Fresh Waters and Human Health--BGSU NSF subaward		No	\$54,644	\$25,956	\$80,600	\$80,600
<i>10/1/21 to 9/30/22</i>	<i>National Science Foundation through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			100		
C-128363-02	Harmful Algae Microbiome		No	\$80,965	\$19,035	\$100,000	\$40,000
<i>10/1/20 to 9/30/21</i>	<i>U.S. Department of Energy through Lawrence Livermore National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Isailovic, Dragan	Chemistry and Biochemistry, Department of			60		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			40		
Stdnt Schol	Wank, Justin	Environmental Sciences, Department of					
C-128627-02	H2Ohio Wetland Monitoring Program (Phase 3)		No	\$297,900	\$29,790	\$327,690	\$81,923
<i>6/1/21 to 6/30/22</i>	<i>Ohio Department of Natural Resources through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of			40		
Co-I	Becker, Richard	Environmental Sciences, Department of			25		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			25		
Co-I	Qian, Song S.	Environmental Sciences, Department of			10		
Stdnt Schol	Martz, Michael T.						
Stdnt Schol	McMahan, Michala Dane						
Stdnt Schol	Tomalewski, Anthony M.						

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Lake Erie Soil and Water Research and Education Center						
N-128555-01	Active Early Detection and Diagnosis of HABs with Scalable Biological Treatment Strategies	No	\$450,699	\$56,815	\$507,514	\$152,254
<i>3/22/21 to 3/31/22</i>	<i>U.S. Army Corps of Engineers</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Seo, Youngwoo	Civil & Environmental Engineering, Department of		40		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		30		
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of		30		
N-128603-01	Great Lakes Bay Watershed Education and Training (B-WET) program FY21	No	\$72,891	\$6,992	\$79,883	\$79,883
<i>6/1/21 to 11/30/22</i>	<i>National Oceanic and Atmospheric Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		60		
Co-I	Hintz, William	Lake Erie Soil and Water Research and Education Center		20		
Co-I	Spanbauer, Trisha	Lake Erie Soil and Water Research and Education Center		20		
N-128616-01	COMPASS FME	No	\$1,094,038	\$412,868	\$1,506,906	\$301,381
<i>5/10/21 to 4/30/23</i>	<i>U.S. Department of Energy through Battelle Memorial Institute</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of		40		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		20		
Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of		20		
Co-I	Qian, Song S.	Environmental Sciences, Department of				
Co-I	Spanbauer, Trisha	Environmental Sciences, Department of		20		
Stdnt Schol	Kohart, Corbin Joseph					
Stdnt Schol	Kolapkar, Amar Mohan					
N-128616-01-W2	COMPASS FME - Pre Award	No	\$52,192	\$20,903	\$73,095	\$29,238
<i>1/4/21 to 8/31/21</i>	<i>U.S. Department of Energy through Battelle Memorial Institute</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of		40		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		20		
Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of		20		
Co-I	Spanbauer, Trisha	Lake Erie Soil and Water Research and Education Center		20		
N-128627-01	H2Ohio Wetland Monitoring Program	No	\$12,520	\$1,252	\$13,772	\$4,132
<i>6/22/20 to 6/30/21</i>	<i>Ohio Department of Natural Resources through Ohio State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Doro, Kennedy Okioghene	Environmental Sciences, Department of		40		
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		30		
Co-I	Qian, Song S.	Environmental Sciences, Department of		30		

Sum of Department (Lake Erie Soil and Water Research and Education Center) Award Count: **6.85** **\$922,055**

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Mathematics & Statistics, Department of						
C-126323-04	Choose Ohio First	No	\$145,313	\$0	\$145,313	\$145,313
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Martin, Geoffrey K.	Mathematics & Statistics, Department of			100	
C-126325-04	Choose Ohio First	No	\$38,025	\$0	\$38,025	\$38,025
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Chen, Zhiwei	Mathematics & Statistics, Department of			100	
C-127752-02	Machine Learning and Network Science for Predicting Kidney Transplant Survival	No	\$184,561	\$93,203	\$277,764	\$27,776
<i>8/1/20 to 7/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			65	
Co-I	Chen, Tian	Mathematics & Statistics, Department of			10	
Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of			25	
Stdnt Schol	Forche, Lindsey Ann					
Stdnt Schol	Sloma, Michael Stephen					
Stdnt Schol	Thapa, Prathana					
Sum of Department (Mathematics & Statistics, Department) Award Count: 2.10						\$211,114
Physics and Astronomy, Department of						
C-126169-04	UV Laboratory Measurements of Oscillator Strengths, Radiative Lifetimes, and Dissociation Products of CH, C2, and CS	No	\$8,619	\$4,094	\$12,713	\$12,713
<i>1/1/21 to 12/31/21 National Aeronautics and Space Administration through University of California at Davis</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Federman, Steven R.	Physics and Astronomy, Department of			100	
C-126327-04	Choose Ohio First	No	\$150,971	\$0	\$150,971	\$150,971
<i>7/1/20 to 6/30/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Khare, Sanjay V.	Physics and Astronomy, Department of			100	
C-126335-01-S5	Infrared Abundances and the Chemical Enrichment of the Universe--17-ADAP17-0205	No	\$23,704	\$11,260	\$34,964	\$34,964
<i>12/16/20 to 4/4/22 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Smith, John-David T.	Physics and Astronomy, Department of			100	

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physics and Astronomy, Department of						
C-126958-03	Center for Hybrid Organic-Inorganic Semiconductors for Energy (CHOISE)	No	\$73,579	\$36,421	\$110,000	\$110,000
<i>8/19/20 to 1/8/22 U.S. Department of Energy through Alliance for Sustainable Energy LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of			100	
C-127056-01-02	Orion: The Final Epoch	No	\$105,738	\$26,033	\$131,771	\$131,771
<i>2/26/19 to 2/25/22 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of			100	
C-127223-03	Development of Low Cost Materials and Devices for Flexible Tandem Space Solar Cells (ROSET)	No	\$1,833,342	\$666,658	\$2,500,000	\$2,500,000
<i>8/11/20 to 7/18/26 Air Force Research Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Ellingson, Randall J.	Physics and Astronomy, Department of			15	
Co-I	Amar, Jacques G.	Physics and Astronomy, Department of			5	
Co-I	Collins, Robert W.	Physics and Astronomy, Department of			15	
Co-I	Heben, Michael J.	Physics and Astronomy, Department of			15	
Co-I	Khare, Sanjay V.	Physics and Astronomy, Department of			5	
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of			15	
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			15	
Co-I	Yan, Yanfa	Physics and Astronomy, Department of			15	
C-127320-02	Quantum theories of atomic and molecular interactions, and their applications	No	\$70,486	\$35,595	\$106,081	\$106,081
<i>9/1/20 to 8/31/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Gao, Bo	Physics and Astronomy, Department of			100	
C-127339-02	Transactive Campus	No	\$43,189	\$21,811	\$65,000	\$45,500
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Battelle Memorial Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of			40	
Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of			30	
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of			30	
C-127382-01-02	Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies	No	\$16,797	\$8,300	\$25,097	\$25,097
<i>7/1/20 to 6/30/22 Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of			100	

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physics and Astronomy, Department of						
C-127720-02	Two Decades of Protostellar Variability in the IR: An ISO, Herschel, Spitzer, SOFIA and NEOWISE Archival Study	No	\$102,177	\$51,599	\$153,776	\$153,776
<i>1/1/21 to 12/31/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of	100			
C-127974-01-101	Targeting fiber quality attributes for the fiber of the future	No	\$21,739	\$3,261	\$25,000	\$25,000
<i>1/1/20 to 12/31/20 Cotton, Incorporated through Texas Tech University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ray, Aniruddha	Physics and Astronomy, Department of	100			
Stdnt Schol	Kreais, Zachary Joseph					
C-127974-02	Targeting fiber quality attributes for the fiber of the future	No	\$32,815	\$4,922	\$37,737	\$37,737
<i>1/1/21 to 12/31/21 Cotton, Incorporated through Texas Tech University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ray, Aniruddha	Physics and Astronomy, Department of	100			
C-128396-02	Improving Durability in the Next Generation of Photovoltaic Materials Through Discovery and Mitigation of Interface-Based Degradation Mechanisms	No	\$79,734	\$40,266	\$120,000	\$120,000
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Lawrence Livermore National Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	50			
Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	50			
C-128403-02	Seed Program: Investigation of Power Electronics and Control Systems for Nuclear/Renewable Energy Parks	No	\$109,635	\$55,365	\$165,000	\$56,100
<i>10/1/20 to 9/30/21 U.S. Department of Energy through Idaho National Labs</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	33			
Co-I	Heben, Michael J.	Physics and Astronomy, Department of	34			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	33			
C-128723-01-101	Sample Measurement for Covalent Metrology--October 2020	Yes	\$5,434	\$1,766	\$7,200	\$7,200
<i>10/15/20 to 10/14/21 Covalent Metrology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	100			

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physics and Astronomy, Department of						
C-128737-01-I01	Photovoltaic Sheets for High Specific Power Space-Based Energy Harvesting (PVS-EH) (STAR)	No	\$4,600,000	\$2,323,000	\$6,923,000	\$6,923,000
<i>5/26/21 to 2/2/26</i> <i>Air Force Research Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Ellingson, Randall J.	Physics and Astronomy, Department of			14	
Co-I	Amar, Jacques G.	Physics and Astronomy, Department of			5	
Co-I	Collins, Robert W.	Physics and Astronomy, Department of			14	
Co-I	Heben, Michael J.	Physics and Astronomy, Department of			14	
Co-I	Khare, Sanjay V.	Physics and Astronomy, Department of			5	
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of			10	
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			14	
Co-I	Song, Zhaoning	Physics and Astronomy, Department of			10	
Co-I	Yan, Yanfa	Physics and Astronomy, Department of			14	
N-127313-01-A1	Tracking the Causes and Effects of Galactic Winds with Resolved Spectroscopy	No	\$221,238	\$111,726	\$332,964	\$332,964
<i>8/15/20 to 7/31/23</i> <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Medling, Anne Marie	Physics and Astronomy, Department of			100	
N-127382-01-I01	Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies	No	\$16,787	\$8,310	\$25,097	\$25,097
<i>7/1/19 to 6/30/22</i> <i>Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of			100	
N-127665-01-W3	Perovskite Process Implementation	No	\$96,321	\$47,679	\$144,000	\$144,000
<i>6/1/20 to 5/31/21</i> <i>First Solar, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of			50	
Co-I	Heben, Michael J.	Physics and Astronomy, Department of			50	
N-127856-01	REU Site: Research Experiences for Undergraduates in Physics and Astronomy at the University of Toledo	No	\$102,750	\$8,055	\$110,805	\$110,805
<i>9/15/20 to 8/31/21</i> <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Irving, Richard E.	Physics and Astronomy, Department of			50	
Co-I	Khare, Sanjay V.	Physics and Astronomy, Department of			50	
N-128014-01	Modeling the Abundance and Distribution of the First Stars and Galaxies	No	\$151,880	\$75,487	\$227,367	\$227,367
<i>8/15/20 to 7/31/23</i> <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Visbal, Elijah Francis	Physics and Astronomy, Department of			100	

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physics and Astronomy, Department of						
N-128462-01	Cold Gas Around Black Holes: Fueling and Feedback in Galaxy Mergers	No	\$30,027	\$2,400	\$32,427	\$32,427
<i>9/1/20 to 8/31/22 National Science Foundation through National Radio Astronomy Observatory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Medling, Anne Marie	Physics and Astronomy, Department of	100			
N-128506-01	A New Low-Temperature Approach for Efficient and Low-Cost Group V Doping in CdTe Thin Film Solar Cells	No	\$79,734	\$40,266	\$120,000	\$120,000
<i>3/1/21 to 8/31/22 U.S. Department of Energy through University of Alabama</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	100			
N-128556-01	The Spitzer IRS Mapping Legacy Archive	No	\$48,457	\$24,471	\$72,928	\$72,928
<i>5/1/21 to 4/30/22 National Aeronautics and Space Administration through University of California at San Diego</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Smith, John-David T.	Physics and Astronomy, Department of	100			
Stdnt Schol	Carroll, David Alden					
Stdnt Schol	Dowd, McKenna Delaney					
Stdnt Schol	Walsh, Edward Andrew					
Stdnt Schol	Watson, Julie Elizabeth					
N-128737-01	Photovoltaic Sheets for High Specific Power Space-Based Energy Harvesting (PVS-EH) (STAR)	No	\$2,341,421	\$658,579	\$3,000,000	\$3,000,000
<i>2/1/21 to 2/2/26 Air Force Research Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ellingson, Randall J.	Physics and Astronomy, Department of	14			
Co-I	Amar, Jacques G.	Physics and Astronomy, Department of	5			
Co-I	Collins, Robert W.	Physics and Astronomy, Department of	14			
Co-I	Heben, Michael J.	Physics and Astronomy, Department of	14			
Co-I	Khare, Sanjay V.	Physics and Astronomy, Department of	5			
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of	10			
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	14			
Co-I	Song, Zhaoning	Physics and Astronomy, Department of	10			
Co-I	Yan, Yanfa	Physics and Astronomy, Department of	14			
Stdnt Schol	Tatum, Jackson Ford					
N-128758-01	Research support - Gift	No	\$25,000	\$0	\$25,000	\$25,000
<i>10/21/20 to 10/20/23 Obsidian Sensors, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	100			

Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Physics and Astronomy, Department of						
N-128898-01	Cycle Nine GO Grant	No	\$78,671	\$39,729	\$118,400	\$118,400
<i>6/16/21 to 6/15/23 Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Smith, John-David T.	Physics and Astronomy, Department of	100			
R-125845-02	Fabrication of VO2 Thin Films on 8" Wafers at UT	No	\$34,116	\$17,229	\$51,345	\$51,345
<i>6/1/20 to 12/31/20 Leonardo DRS</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	100			
S-126499-01-S3	The 6 pc DASH: A WFC3 1.6 micron Survey of the Orion Integral Shaped Filament	No	\$19,944	\$9,872	\$29,816	\$29,816
<i>1/1/18 to 12/31/20 Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of	100			
S-126499-01-S4	The 6 pc DASH: A WFC3 1.6 micron Survey of the Orion Integral Shaped Filament	No	\$19,944	\$9,872	\$29,816	\$29,816
<i>1/1/18 to 12/31/21 Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of	100			
Sum of Department (Physics and Astronomy, Department of)			Award Count: 29.04		\$14,759,875	
Sum of College (Natural Sciences & Mathematics, College of)			Award Count: 86.19		\$24,259,509	

Nursing, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Nursing, College of						

Nursing, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Nursing, College of							
C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond		No	\$114,127	\$9,130	\$123,257	\$36,977
<i>9/30/20 to 9/29/22</i>	<i>Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of			30		
Co-I	Gray, Temeaka A.	Nursing, College of					
Co-I	Johnson, Tressa S.	University Police			10		
Co-I	Laux, John Micah	School of Intervention & Wellness			10		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of			10		
Co-I	Petra, Megan Meta	School of Social Justice			10		
Co-I	Riddick, Vicki L.	Human Resources			10		
Co-I	Thompson, Amy J.	School of Population Health			20		
N-128740-01	Governor's Emergency Education Relief (GEER)		No	\$318,848	\$0	\$318,848	\$318,848
<i>3/13/20 to 6/30/22</i>	<i>Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of			100		
Sum of Department (Nursing, College of)						Award Count: 1.30	\$355,825
Sum of College (Nursing, College of)						Award Count: 1.30	\$355,825

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Medicinal and Biological Chemistry, Department of							
C-125945-04	Choose Ohio First for Excellence in the Pharmaceutical Sciences (COFEPS)		No	\$84,500	\$0	\$84,500	\$84,500
<i>7/1/20 to 6/30/21</i>	<i>Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Slama, James T.	Medicinal and Biological Chemistry, Department of			100		
C-126111-04	Development of Attenuated Furoxans as Novel Therapies for Alzheimer's Disease		No	\$250,000	\$136,250	\$386,250	\$386,250
<i>2/1/21 to 1/31/22</i>	<i>National Institute on Aging</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Schiefer, Isaac T.	Medicinal and Biological Chemistry, Department of			75		
Co-I	Shah, Zahoor	Medicinal and Biological Chemistry, Department of			25		

Pharmacy & Pharmaceutical Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Medicinal and Biological Chemistry, Department of						
C-127518-02	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity	No	\$290,151	\$146,526	\$436,677	\$240,172
<i>1/1/21 to 12/31/21</i>	<i>National Institute of Allergy & Infectious Diseases</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Sucheck, Steven Joseph	Chemistry and Biochemistry, Department of		45		
Co-I	Prestwich, Erin G.	Medicinal and Biological Chemistry, Department of		17		
Co-I	Wall, Katherine Ann	Medicinal and Biological Chemistry, Department of		38		
Stdnt Schol	Carlson, Eric Andrew					
Stdnt Schol	Dodson, Taylor Ann					
Stdnt Schol	Yerg, John Keith					
C-127575-02	Cofilin Signaling in Hemorrhagic Stroke	No	\$250,000	\$136,250	\$386,250	\$386,250
<i>4/1/21 to 3/31/22</i>	<i>National Institute of Neurological Disorders and Stroke</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Shah, Zahoor	Medicinal and Biological Chemistry, Department of		90		
Co-I	Tillekeratne, Liyanaaratchige	Medicinal and Biological Chemistry, Department of		10		
N-128276-01	Metastatin Analogs for the Treatment of Metabolic Diseases	No	\$81,723	\$41,270	\$122,993	\$122,993
<i>10/1/20 to 9/30/21</i>	<i>State University of New York Downstate Medical Center</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Erhardt, Paul W.	Medicinal and Biological Chemistry, Department of		100		
N-128548-01	Regulation of Ferroptosis by the p53/CDK/Rb Axis	No	\$300,000	\$151,500	\$451,500	\$158,025
<i>6/1/21 to 5/31/24</i>	<i>National Institute of General Medical Sciences</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Taylor, William R.	Biological Sciences, Department of		65		
Co-I	Tillekeratne, Liyanaaratchige	Medicinal and Biological Chemistry, Department of		35		
N-129043-01	Studies of Benzalkonium chloride skin penetration	No	\$24,177	\$13,177	\$37,354	\$28,016
<i>5/17/21 to 5/16/22</i>	<i>Rockline Industries</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Prestwich, Erin G.	Medicinal and Biological Chemistry, Department of		75		
Co-I	Baki, Gabriella	Pharmacy Practice, Department of		25		
Stdnt Schol	Hite, Collin C.					
Stdnt Schol	Tidwell, Alexis Pearl					
Sum of Department (Medicinal and Biological Chemistry, D)						Award Count: 5.65
						\$1,406,206
Pharmacology & Experimental Therapeutics, Department of						

Pharmacy & Pharmaceutical Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>	
Pharmacology & Experimental Therapeutics, Department of								
C-127438-02	Effects of chronic inhalation of electronic cigarette vapor containing nicotine on the levels of neurotransmitters in the brain		No	\$13,303	\$0	\$13,303	\$13,303	
<i>8/15/20 to 8/14/22</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Sari, Youssef	Pharmacology & Experimental Therapeutics, Department of				100		
N-128348-01	Development of Novel Inducers of Non-Apoptotic Cell Death to Target TNBC		No	\$999,942	\$422,817	\$1,422,759	\$1,252,028	
<i>1/1/21 to 12/31/23 U.S. Department of Defense</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Tiwari, Amit K.	Pharmacology & Experimental Therapeutics, Department of				88		
Co-I	Gunning, William T.	Pathology, Department of				3		
Co-I	Khuder, Sadik	Medicine, Department of				3		
Co-I	Raman, Dayanidhi	Cancer Biology, Department of				3		
Co-I	Tang, Yuan	Bioengineering, Department of				3		
Sum of Department (Pharmacology & Experimental Therap)							Award Count: 1.88	\$1,265,331
Pharmacy BS Pharm Science Fees								
C-128897-01-101	Testing in vitro SPF and broad spectrum protection		No	\$3,788	\$1,212	\$5,000	\$5,000	
<i>1/18/21 to 4/30/21 ACT Solutions Corp</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Baki, Gabriella	Pharmacy BS Pharm Science Fees				100		
Stdnt Schol	Bougouma, Nongdo							
Stdnt Schol	Zael, Natalie Lauren							
C-128897-02	Testing in vitro SPF and broad spectrum protection		No	\$0	\$0	\$0	\$0	
<i>5/1/21 to 4/30/22 ACT Solutions Corp</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Baki, Gabriella	Pharmacy BS Pharm Science Fees				100		
Stdnt Schol	Bougouma, Nongdo							
Sum of Department (Pharmacy BS Pharm Science Fees)							Award Count: 2.00	\$5,000
Pharmacy Practice, Department of								
C-121385-11	University of Toledo / Kroger Community Pharmacy Residency Program		No	\$64,080	\$0	\$64,080	\$64,080	
<i>7/1/20 to 6/30/21 Kroger Company</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Lengel, Aaron J.	Pharmacy Practice, Department of				100		

Pharmacy & Pharmaceutical Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Pharmacy Practice, Department of						
C-127611-03	MINHC project	No	\$18,518	\$1,482	\$20,000	\$10,000
<i>9/1/20 to 8/31/21 Health Resources & Services Administration through University of Illinois at Chicago</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sahloff, Eric G.	Pharmacy Practice, Department of	50			
Co-I	Duggan, Joan	Medicine, Department of	50			
C-128594-01-I01	Testing in vitro SPF and broad spectrum protection	No	\$523	\$167	\$690	\$690
<i>9/12/20 to 9/11/21 Chemspire LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	100			
N-128197-01	Testing Meadowfoam Seed Oil as a pigment dispersing agent	No	\$6,515	\$3,485	\$10,000	\$9,000
<i>7/1/20 to 12/31/20 Natural Plant Products, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	90			
Co-I	Liberatore, Matthew Walter	Chemical Engineering, Department of	10			
N-128594-01	Testing in vitro SPF and broad spectrum protection	No	\$523	\$167	\$690	\$690
<i>8/11/20 to 9/11/20 Chemspire LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	100			
N-129043-01	Studies of Benzalkonium chloride skin penetration	No	\$24,177	\$13,177	\$37,354	\$9,339
<i>5/17/21 to 5/16/22 Rockline Industries</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Prestwich, Erin G.	Medicinal and Biological Chemistry, Department of	75			
Co-I	Baki, Gabriella	Pharmacy Practice, Department of	25			
Stdnt Schol	Hite, Collin C.					
Stdnt Schol	Tidwell, Alexis Pearl					
Sum of Department (Pharmacy Practice, Department of)			Award Count: 4.65		\$93,798	
Sum of College (Pharmacy & Pharmaceutical Sciences, Co)			Award Count: 14.18		\$2,770,335	

Provost - Academic Affairs, Enrollment Services

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Provost, Executive VP Academic Affairs						

Provost - Academic Affairs, Enrollment Services

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Provost, Executive VP Academic Affairs						
N-129296-01	Choose Ohio First FY16 Completion Grant	No	\$933,372	\$0	\$933,372	\$933,372
<i>6/1/21 to 5/31/22 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Thompson, Amy J.	Provost, Executive VP Academic Affairs	100			
S-127230-01-S1	The Student Experience at University of Toledo: Advancing Equity by Design	No	\$12,000	\$0	\$12,000	\$12,000
<i>9/1/20 to 8/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	100			
S-127230-01-S2	The Student Experience at University of Toledo: Advancing Equity by Design	No	\$14,000	\$0	\$14,000	\$14,000
<i>12/2/20 to 8/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	100			
		Sum of Department (Provost, Executive VP Academic Affai)			Award Count: 3.00	\$959,372
Student Activities Admin						
S-127358-02	Rocket Fuel Food Recovery Program	No	\$5,000	\$0	\$5,000	\$5,000
<i>8/31/20 to 12/31/20 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spann, Sammy	Student Activities Admin	100			
		Sum of Department (Student Activities Admin)			Award Count: 1.00	\$5,000
Student Affairs						
N-128704-01	Ohio Student Voting Summit	No	\$0	\$1,000	\$1,000	\$1,000
<i>9/24/20 to 9/23/21 Campus Vote Project</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Soliz, Michele Catherine	Student Affairs				
PI/PD	Zernechel, Alex	Student Affairs	100			
		Sum of Department (Student Affairs)			Award Count: 1.00	\$1,000
TRIO Student Support Services						

Provost - Academic Affairs, Enrollment Services

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
TRIO Student Support Services						
R-103911-25	UT Student Support Services	No	\$254,727	\$20,378	\$275,105	\$275,105
<i>9/1/20 to 8/31/21 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Palmer, Toycee Hague	TRIO Student Support Services			100	
Co-PI	Tucker, Tia Nicole	TRIO Student Support Services			0	
Stdnt Schol	Adeagbo, Abolade Heritage					
Stdnt Schol	Collier, Hannah Nicole					
Stdnt Schol	Khan, Iraj					
Stdnt Schol	Lamb, Cameron Jamel	TRIO Student Support Services				
Stdnt Schol	Northington, JonDareo'	TRIO Student Support Services				
Stdnt Schol	Oziri, Jennifer Chimdindu					
Stdnt Schol	Sharpe, Natalie	TRIO Student Support Services				
Stdnt Schol	Spandix, Justin D'Shawn	TRIO Student Support Services				
Stdnt Schol	Williams, Karlee					
Sum of Department (TRIO Student Support Services)			Award Count: 1.00			\$275,105
Upward Bound						
C-110170-14	Upward Bound Program	No	\$446,982	\$35,759	\$482,741	\$482,741
<i>9/1/20 to 8/31/21 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Rogers, Pamela N.	Upward Bound			100	
Stdnt Schol	Cedeno-Rosario, Luis Angel					
Stdnt Schol	Greenwade, Christopher James					
Stdnt Schol	Mays, Montissa Lei					
C-126194-04	Upward Bound Math & Science Program	No	\$275,557	\$22,044	\$297,601	\$297,601
<i>9/1/20 to 8/31/21 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Rogers, Pamela N.	Upward Bound			100	
Sum of Department (Upward Bound)			Award Count: 2.00			\$780,342
Sum of College (Provost - Academic Affairs, Enrollment Se)			Award Count: 8.00			\$2,020,819

Public Safety

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Safety and Health, Office of						

Public Safety

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Safety and Health, Office of						
N-128727-01	Coronavirus Response Grant	No	\$3,000	\$0	\$3,000	\$3,000
<i>9/1/20 to 12/31/21 Ohio Department of Health through Lucas County Regional Health District</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Newton, Jeff C.	Safety and Health, Office of	100			
Sum of Department (Safety and Health, Office of)			Award Count: 1.00	\$3,000		

University Police

C-127086-03	Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond	No	\$114,127	\$9,130	\$123,257	\$12,326
<i>9/30/20 to 9/29/22 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lewandowski, Linda A.	Nursing, College of	30			
Co-I	Gray, Temeaka A.	Nursing, College of				
Co-I	Johnson, Tressa S.	University Police	10			
Co-I	Laux, John Micah	School of Intervention & Wellness	10			
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of	10			
Co-I	Petra, Megan Meta	School of Social Justice	10			
Co-I	Riddick, Vicki L.	Human Resources	10			
Co-I	Thompson, Amy J.	School of Population Health	20			
Sum of Department (University Police)			Award Count: 0.10	\$12,326		
Sum of College (Public Safety)			Award Count: 1.10	\$15,326		

Research & Economic Development

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Urban Affairs Center						
N-128873-01	Village of Marblehead, OH Village Manager Feasibility Project	No	\$3,182	\$318	\$3,500	\$2,345
<i>3/1/21 to 7/31/21 Village of Marblehead</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Boden, Daniel Paul	Urban Affairs Center	67			
Co-I	Shetty, Sujata	Geography and Planning, Department of	33			
Co-I	Wang, Qun	Political Science and Public Administration, Department of				
Sum of Department (Urban Affairs Center)			Award Count: 0.67	\$2,345		

Research & Sponsored Programs MC

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Research & Sponsored Programs						
C-125698-04	I-Corp Node: Activating the Midwest I-Corps Network	No	\$43,242	\$14,054	\$57,296	\$57,296
<i>1/1/20 to 12/31/21 National Science Foundation through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rapino, Norman	Research & Sponsored Programs	100			
C-128160-02	Entrepreneurial Signature Program--Jumpstart	No	\$113,033	\$36,171	\$149,204	\$149,204
<i>1/1/21 to 12/31/21 Ohio Development Services Agency through JumpStart</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Moore, Pamela Jean	Research & Sponsored Programs				
Co-I	Rapino, Norman	Research & Sponsored Programs	100			
N-127707-01	Bidesign-based learning platform fortified with clinical immersion and medical device commercialization pathway	No	\$40,000	\$3,200	\$43,200	\$4,320
<i>8/17/20 to 7/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yildirim-Ayan, Eda D.	Bioengineering, Department of	65			
Co-I	Ayan, Halim	Bioengineering, Department of	10			
Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Department of	5			
Co-I	Pappada, Scott Michael	Medical Services 5	5			
Co-I	Rapino, Norman	Research & Sponsored Programs	10			
Co-I	Relue, Patricia Ann	Bioengineering, Department of	5			
N-128925-01	Lab-to-Market Inclusive Innovation Ecosystem Prize Competition	No	\$18,868	\$6,132	\$25,000	\$25,000
<i>6/1/21 to 5/31/23 U. S. Small Business Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rapino, Norman	Research & Sponsored Programs	100			
S-125746-03-S1	Topic II: NSF I-Corps Site at The University of Toledo	No	\$45,102	\$14,658	\$59,760	\$59,760
<i>7/10/20 to 2/28/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rapino, Norman	Research & Sponsored Programs	100			
Sum of Department (Research & Sponsored Programs)			Award Count: 4.10		\$295,580	
Sum of College (Research & Sponsored Programs MC)			Award Count: 4.10		\$295,580	

Student Affairs

This report does **not** show all projects that were active in FY21. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Counseling Center						
N-128629-01	Ohio Program for Campus Safety and Mental Health FY21 Earmark	No	\$5,000	\$0	\$5,000	\$5,000
<i>10/1/20 to 6/30/21</i>	<i>Ohio Department of Mental Health and Addiction Services through Northeast Ohio Medical University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Sullivan, Latasha Christine	Counseling Center			100	
Sum of Department (Counseling Center)					Award Count: 1.00	\$5,000
Sum of College (Student Affairs)					Award Count: 1.00	\$5,000

University College

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Dean - University College						
N-123253-01	Military Service Center Student Support	Yes	\$8,160	\$0	\$8,160	\$8,160
<i>1/1/12 to 6/30/13</i>	<i>U.S. Department of Veterans Affairs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lettman, Dennis S.	Dean - University College			100	
Sum of Department (Dean - University College)					Award Count: 1.00	\$8,160
Sum of College (University College)					Award Count: 1.00	\$8,160

UT Medical Center

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Environmental Services						
C-126439-04	Grass Carp Spawning Potential in the Sandusky River	No	\$183,767	\$26,422	\$210,189	\$105,095
<i>9/15/20 to 9/14/21</i>	<i>U.S. Geological Survey</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Qian, Song S.	Environmental Services			50	
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of			50	
Sum of Department (Environmental Services)					Award Count: 0.50	\$105,095

Vascular Lab

UT Medical Center

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Vascular Lab						
N-128674-01	Effect of endovascular treatment of ischemic stroke on post- stroke depression outcomes	No	\$3,000	\$0	\$3,000	\$3,000
<i>9/15/20 to 9/14/22</i>	<i>American Academy of Neurology Education & Research Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kung, Vieh Ming	Vascular Lab		100		
Stdnt Schol	Battepati, Dhanushya					
Stdnt Schol	Koffman, Erin Elizabeth					
Stdnt Schol	Sharkey, Brandon Michael					
Sum of Department (Vascular Lab)				Award Count: 1.00		\$3,000
Sum of College (UT Medical Center)				Award Count: 1.50		\$108,095
Grand Total:				Award Count: 409.00		\$65,374,227