

The University of Toledo Research and Sponsored Programs
 FY 2024 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 FY24. 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>
Administration, College of Arts and Letters						
N-600046-01	Updated Cut Scores for AEPS-3	No	\$6,154	\$1,846	\$8,000	\$0
<i>4/2/24 to 7/14/24 Paul H Brookes Publishing Co., Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Toland, Michael	Dean-Education	100			
Co-I	Dueber, David	Administration, College of Arts and Letters	0			
Sum of Department (Administration, College of Arts and Le)						Award Count: 0.00 \$0
Art, Department of						
C-129998-02	Department of Art-Recovery Fund	No	\$64,500	\$0	\$64,500	\$64,500
<i>7/1/23 to 6/30/24 U.S. Department of the Treasury through Arts Commission of Greater Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Miner, Barbara Fredricks	Art, Department of	100			
N-600233-01	Krzysztof Wodiczko: The Art of Un-War	No	\$3,968	\$1,032	\$5,000	\$3,750
<i>4/8/24 to 5/31/24 National Endowment for the Humanities through Ohio Humanities Council</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rizk, Mysoon	Art, Department of	75			
Co-I	Jackisch, Barry Andrew	History, Department of	25			
Sum of Department (Art, Department of)						Award Count: 1.75 \$68,250
Economics, Department of						
N-130431-01	Libbey DOE Decarbonization Proposal	No	\$8,369	\$4,226	\$12,595	\$12,595
<i>7/31/23 to 7/30/25 Libbey Glass LLC through Libbey-Owens-Ford</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	Amialchuk, Aliaksandr A.	Economics, Department of				
Co-I	Hammel, Daniel J.	Geography and Planning, Department of				
N-130662-01	Metroparks Benefit Cost Analysis 2024	No	\$4,602	\$460	\$5,062	\$5,062
<i>4/5/24 to 12/31/24 The City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Egan, Kevin	Economics, Department of	100			
PI/PD	Shetty, Sujata	Geography and Planning, Department of				

Arts and Letters, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Economics, Department of						
N-600157-01	Use of High-Resolution Data Sets to Locate Sites for Restoration and Installation of Nutrient Interceptors in the Maumee Watershed (HABRI)	No	\$172,950	\$8,651	\$181,601	\$36,320
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	60			
Co-I	Dwyer, Daryl	Environmental Sciences, Department of	20			
Co-I	Egan, Kevin	Economics, Department of	20			
N-600456-01	Economic Impact of Scott Park College Campus	No	\$46,984	\$4,698	\$51,682	\$51,682
<i>5/30/24 to 12/31/24 Toledo Public Schools</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Smirnov, Oleg A.	Economics, Department of	100			
R-124355-08	Support for the UT Urban Affairs Center (Renewal)	No	\$68,182	\$6,818	\$75,000	
<i>7/1/23 to 6/30/24 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			
Co-PI	Hammel, Daniel J.	Geography and Planning, Department of				
Co-I	Egan, Kevin	Economics, Department of				
Sum of Department (Economics, Department of) Award Count: 3.20						\$105,660
Geography and Planning, Department of						
C-125107-09	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$1,664,851	\$192,839	\$1,857,690	\$1,486,152
<i>1/1/24 to 12/31/24 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			
Stdnt Schol	Paudyal, Pramila					
C-129100-03	Broadening Data Fluency Through the Integration of NASA Assets and Place-Based Learning to Advance Connections, Education, and Stewardship (PLACES)	No	\$39,580	\$19,988	\$59,568	\$59,568
<i>1/1/24 to 12/31/24 National Aeronautics and Space Administration through WestEd</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	100			

Arts and Letters, College of

This report does **not** show all projects that were active in FY24. 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
Geography and Planning, Department of						
N-130226-01	Hydrogen Academic Programs to Enhance the Hydrogen Economy	No	\$2,551,413	\$448,587	\$3,000,000	\$750,000
<i>4/1/24 to 8/31/26 U.S. Department of Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mason, Mark R.	Chemistry and Biochemistry, Department of	50			
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Departm	25			
Co-I	Shetty, Sujata	Geography and Planning, Department of	25			
N-130425-01	Cultivating Persistence and Leadership Development in Science Master Teachers (Robert Noyce Teacher Scholarship)	No	\$1,314,597	\$84,647	\$1,399,244	\$139,924
<i>4/1/24 to 3/31/27 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Johnson, Natasha Yvonne	Teacher Education	70			
Co-PI	Bossenbroek, Jonathan	Environmental Sciences, Department of	10			
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of	10			
Co-I	Toland, Michael	Dean-Education	10			
N-130431-01	Libbey DOE Decarbonization Proposal	No	\$8,369	\$4,226	\$12,595	
<i>7/31/23 to 7/30/25 Libbey Glass LLC through Libbey-Owens-Ford</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Shetty, Sujata	Geography and Planning, Department of				
Co-I	Amialchuk, Aliaksandr A.	Economics, Department of	100			
Co-I	Hammel, Daniel J.	Geography and Planning, Department of				
N-130662-01	Metroparks Benefit Cost Analysis 2024	No	\$4,602	\$460	\$5,062	
<i>4/5/24 to 12/31/24 The City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Egan, Kevin	Economics, Department of	100			
PI/PD	Shetty, Sujata	Geography and Planning, Department of				
N-600157-01	Use of High-Resolution Data Sets to Locate Sites for Restoration and Installation of Nutrient Interceptors in the Maumee Watershed (HABRI)	No	\$172,950	\$8,651	\$181,601	\$108,961
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	60			
Co-I	Dwyer, Daryl	Environmental Sciences, Department of	20			
Co-I	Egan, Kevin	Economics, Department of	20			
R-124355-08	Support for the UT Urban Affairs Center (Renewal)	No	\$68,182	\$6,818	\$75,000	\$75,000
<i>7/1/23 to 6/30/24 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			
Co-PI	Hammel, Daniel J.	Geography and Planning, Department of				
Co-I	Egan, Kevin	Economics, 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>
Sum of Department (Geography and Planning, Department)			Award Count: 3.75			\$2,619,605

History, Department of

N-600233-01	Krzysztof Wodiczko: The Art of Un-War	No	\$3,968	\$1,032	\$5,000	\$1,250
<i>4/8/24 to 5/31/24</i>	<i>National Endowment for the Humanities through Ohio Humanities Council</i>					

<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>
PI/PD	Rizk, Mysoon	Art, Department of	75
Co-I	Jackisch, Barry Andrew	History, Department of	25

Sum of Department (**History, Department of**) Award Count: **0.25** **\$1,250**

Political Science and Public Administration, Department of

N-130362-01	"Glass House": A Magazine published by the UToledo Inside-Out Prison Exchange Program	No	\$4,500	\$0	\$4,500	\$4,500
<i>10/13/23 to 12/15/23</i>	<i>National Endowment for the Humanities through Ohio Humanities Council</i>					

<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>
PI/PD	Heberle, Renee J.	Political Science and Public Administration, Department of	100

Sum of Department (**Political Science and Public Administr**) Award Count: **1.00** **\$4,500**

Psychology, Department of

C-128101-04	The Development of Eating Behavior in Infancy: Associations with Behavior, Diet, and Growth to Age 6 years	No	\$3,898	\$2,027	\$5,925	\$5,925
<i>8/1/23 to 7/31/24</i>	<i>National Institute of Child Health & Human Development 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

C-128729-03	Identifying the mechanisms of latent inhibition to prevent dental fear	No	\$95,853	\$48,406	\$144,259	\$144,259
<i>8/1/23 to 7/31/25</i>	<i>National Institute of Dental and Craniofacial Research through University of Texas Rio Grande Valley</i>					

<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>
PI/PD	Geers, Andrew	Psychology, Department of	100

N-130044-01	A Good Enough Intervention: Testing Brief Online Self-Help Treatment Modules for Clinical Perfectionism	No	\$47,643	\$0	\$47,643	\$47,643
<i>9/1/23 to 8/31/24</i>	<i>International OCD Foundation, Inc.</i>					

<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>
PI/PD	Ong, Clarissa	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-600470-01	Mindful Sport Performance Enhancement (MSPE) for Collegiate Athlete Injury Recovery	No	\$490	\$0	\$490	\$490
<i>8/1/24 to 5/31/25 Association for Applied Sport Psychology Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Rose, Jason P.	Psychology, Department of			100	
Co-I	Bullock, Wesley A.	Psychology, Department of			0	
Sum of Department (Psychology, Department of)			Award Count: 4.00			\$198,317
Theater and Film, Department of						
C-130003-02	Visiting Professor and Guest Artist Support in Theatre and Film	No	\$48,000	\$0	\$48,000	\$48,000
<i>10/1/23 to 6/30/24 U.S. Department of the Treasury through Arts Commission of Greater Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Monsos, Holly Diane	Theater and Film, Department of				
PI/PD	Sakowski, Stephen W.	Theater and Film, Department of			50	
Co-I	Foss, Matthew J.	Theater and Film, Department of			50	
Sum of Department (Theater and Film, Department of)			Award Count: 1.00			\$48,000
Women's & Gender Studies, Department of						
N-129876-01	ADVANCE Catalyst: Transitioning from Anecdotal to Data-Driven Intersectional Approach for Institutional Change at the University of Toledo	No	\$163,729	\$82,683	\$246,412	\$49,282
<i>8/1/23 to 5/2/25 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, Departm			40	
Co-I	Barnes, Sharon L.	Women's & Gender Studies, Department of			20	
Co-I	Das, Dilip A.	Diversity & Inclusion			20	
Co-I	Lutman, Danielle Marie	Catharine S. Eberly Center for Women			20	
Sum of Department (Women's & Gender Studies, Departme)			Award Count: 0.20			\$49,282
Sum of College (Arts and Letters, College of)			Award Count: 15.15			\$3,094,864

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>
Catharine S. Eberly Center for Women						

Diversity & Inclusion

This report does **not** show all projects that were active in FY24. 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>	
Catharine S. Eberly Center for Women								
N-129876-01	ADVANCE Catalyst: Transitioning from Anecdotal to Data-Driven Intersectional Approach for Institutional Change at the University of Toledo		No	\$163,729	\$82,683	\$246,412	\$49,282	
<i>8/1/23 to 5/2/25</i>	<i>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, Departm				40		
Co-I	Barnes, Sharon L.	Women's & Gender Studies, Department of				20		
Co-I	Das, Dilip A.	Diversity & Inclusion				20		
Co-I	Lutman, Danielle Marie	Catharine S. Eberly Center for Women				20		
Sum of Department (Catharine S. Eberly Center for Women)							Award Count: 0.20	\$49,282

Diversity & Inclusion

N-129876-01	ADVANCE Catalyst: Transitioning from Anecdotal to Data-Driven Intersectional Approach for Institutional Change at the University of Toledo		No	\$163,729	\$82,683	\$246,412	\$49,282	
<i>8/1/23 to 5/2/25</i>	<i>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, Departm				40		
Co-I	Barnes, Sharon L.	Women's & Gender Studies, Department of				20		
Co-I	Das, Dilip A.	Diversity & Inclusion				20		
Co-I	Lutman, Danielle Marie	Catharine S. Eberly Center for Women				20		
Sum of Department (Diversity & Inclusion)							Award Count: 0.20	\$49,282
Sum of College (Diversity & Inclusion)							Award Count: 0.40	\$98,565

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-125107-09	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education	No	\$1,664,851	\$192,839	\$1,857,690	\$185,769
<i>1/1/24 to 12/31/24 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		
Stdnt Schol	Paudyal, Pramila					
N-130329-01	Designing/redesigning Adolescent Literacy Coursework at UToledo	No	\$14,999	\$1,199	\$16,198	\$5,345
<i>7/1/23 to 6/30/24 U.S. Department of Education through University of Cincinnati</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kehus, Marcella	Teacher Education		34		
Co-I	Aguiton, Rhonda L.	Teacher Education		33		
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of		33		
N-130357-01	Understanding and Responding to the Early Care and Learning Needs of Young Children and Families in Ohio Experiencing Homelessness	No	\$688,464	\$68,847	\$757,311	\$181,755
<i>9/1/23 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Delaney, Katherine Kresin	Teacher Education		24		
Co-I	Cleary, Heather Murphy Sloar	Department of Population Health		24		
Co-I	Fox, Christine	Teacher Education		24		
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of		24		
Co-I	Toland, Michael	Dean-Education		4		
Stdnt Schol	Almasmary, Mona					
Stdnt Schol	Hart, Jenna Ann					
Stdnt Schol	Santos, Danielle M.					
Stdnt Schol	Virani, Archana Kaushikbhai					
N-130438-01	Efficacy study of TinkRWorks at Success Academy and Career Academy	No	\$25,994	\$13,517	\$39,511	\$3,951
<i>10/2/23 to 10/1/24 TinkRWorks, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Toland, Michael	Dean-Education		90		
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of		10		
Sum of Department (Curriculum and Instruction, Departme					Award Count: 0.77	\$376,820

Dean-Education

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Dean-Education						
C-129274-02	Optimizing Clinical Outcomes for Patients with Patellofemoral Pain Using Strength Training Rehabilitation Incorporating Power Exercises (STRIPE)	No	\$36,950	\$18,660	\$55,610	\$27,805
7/1/23 to 6/30/24	U.S. Department of Defense through University of Connecticut					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Bazett-Jones, David Matthew	Department of Exercise Rehab Sciences		50		
Co-I	Toland, Michael	Dean-Education		50		
C-129414-03	Curricular Analytics Project	No	\$43,478	\$6,522	\$50,000	\$50,000
9/1/23 to 8/31/24	Ascendium Education Group through Colorado State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Toland, Michael	Dean-Education		100		
C-129617-03	Curricular Analytics	No	\$0	\$5,000	\$5,000	\$5,000
9/1/23 to 8/31/25	Ascendium Education Group through Colorado State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Toland, Michael	Dean-Education		100		
Statistician	Liu, Mingyang					
N-130219-01	Bold Beginnings for Higher Education	No	\$180,903	\$14,472	\$195,375	\$9,769
10/1/23 to 9/30/24	U.S. Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Dinnebeil, Laurie A.	Teacher Education		95		
Co-I	McInerney, William F.	Teacher Education				
Co-I	Toland, Michael	Dean-Education		5		
N-130300-01	Early Childhood Reading Proficiency Initiative Evaluation	No	\$11,312	\$3,676	\$14,988	\$7,494
9/1/23 to 7/31/25	U.S. Department of Education through Toledo Tomorrow					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Toland, Michael	Dean-Education		50		
Co-I	Belyukova, Svetlana	Teacher Education		50		

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Dean-Education						
N-130357-01	Understanding and Responding to the Early Care and Learning Needs of Young Children and Families in Ohio Experiencing Homelessness	No	\$688,464	\$68,847	\$757,311	\$30,292
<i>9/1/23 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Delaney, Katherine Kresin	Teacher Education			24	
Co-I	Cleary, Heather Murphy Sloar	Department of Population Health			24	
Co-I	Fox, Christine	Teacher Education			24	
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of			24	
Co-I	Toland, Michael	Dean-Education			4	
Stdnt Schol	Almasmary, Mona					
Stdnt Schol	Hart, Jenna Ann					
Stdnt Schol	Santos, Danielle M.					
Stdnt Schol	Virani, Archana Kaushikbhai					
N-130425-01	Cultivating Persistence and Leadership Development in Science Master Teachers (Robert Noyce Teacher Scholarship)	No	\$1,314,597	\$84,647	\$1,399,244	\$139,924
<i>4/1/24 to 3/31/27 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Johnson, Natasha Yvonne	Teacher Education			70	
Co-PI	Bossenbroek, Jonathan	Environmental Sciences, Department of			10	
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of			10	
Co-I	Toland, Michael	Dean-Education			10	
N-130438-01	Efficacy study of TinkRWorks at Success Academy and Career Academy	No	\$25,994	\$13,517	\$39,511	\$35,560
<i>10/2/23 to 10/1/24 TinkRWorks, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Toland, Michael	Dean-Education			90	
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of			10	
N-600046-01	Updated Cut Scores for AEPS-3	No	\$6,154	\$1,846	\$8,000	\$8,000
<i>4/2/24 to 7/14/24 Paul H Brookes Publishing Co., Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Toland, Michael	Dean-Education			100	
Co-I	Dueber, David	Administration, College of Arts and Letters			0	
R-126554-07	Tech Prep Pathways Grant SFY24	No	\$464,398	\$0	\$464,398	\$18,576
<i>7/1/23 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wilson, Kathy S.	Teacher Education			96	
Co-I	Toland, Michael	Dean-Education			4	
Sum of Department (Dean-Education) Award Count: 5.13						\$332,421

Teacher Education

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
C-122077-13 Project Seed at UToledo 2023		No	\$9,000	\$0	\$9,000	\$2,250
7/1/23 to 6/30/24 American Chemical Society						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of		50		
Co-PI	Marszewski, Michal	Chemistry and Biochemistry, Department of		25		
Co-I	Johnson, Natasha Yvonne	Teacher Education		25		
C-127788-05 Project Prepare		No	\$117,662	\$5,301	\$122,963	\$61,482
10/1/23 to 12/31/25 U.S. Department of Education						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Dinnebeil, Laurie A.	Teacher Education		50		
Co-I	Metz, Alexia E.	Occupational Therapy Program		50		
C-128324-04 Ohio School Leaders Professional Development Grant		No	\$45,455	\$4,545	\$50,000	\$50,000
7/1/23 to 6/30/24 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.	Teacher Education		100		
C-129799-04 Child Care Stabilization - Phase 4		No	\$97,170	\$0	\$97,170	\$97,170
7/1/23 to 6/30/24 U.S. Department of Health and Human Services through Ohio Child Care Resource and Referral Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Salts, Caryn L.	Teacher Education		100		
N-130219-01 Bold Beginnings for Higher Education		No	\$180,903	\$14,472	\$195,375	\$185,606
10/1/23 to 9/30/24 U.S. Department of Education						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Dinnebeil, Laurie A.	Teacher Education		95		
Co-I	McInerney, William F.	Teacher Education				
Co-I	Toland, Michael	Dean-Education		5		
N-130300-01 Early Childhood Reading Proficiency Initiative Evaluation		No	\$11,312	\$3,676	\$14,988	\$7,494
9/1/23 to 7/31/25 U.S. Department of Education through Toledo Tomorrow						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Toland, Michael	Dean-Education		50		
Co-I	Belyukova, Svetlana	Teacher Education		50		
N-130329-01 Designing/redesigning Adolescent Literacy Coursework at UToledo		No	\$14,999	\$1,199	\$16,198	\$10,853
7/1/23 to 6/30/24 U.S. Department of Education through University of Cincinnati						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kehus, Marcella	Teacher Education		34		
Co-I	Aguiton, Rhonda L.	Teacher Education		33		
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of		33		

Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Teacher Education						
N-130357-01	Understanding and Responding to the Early Care and Learning Needs of Young Children and Families in Ohio Experiencing Homelessness	No	\$688,464	\$68,847	\$757,311	\$363,509
<i>9/1/23 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Delaney, Katherine Kresin	Teacher Education			24	
Co-I	Cleary, Heather Murphy Sloar	Department of Population Health			24	
Co-I	Fox, Christine	Teacher Education			24	
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of			24	
Co-I	Toland, Michael	Dean-Education			4	
Stdnt Schol	Almasmary, Mona					
Stdnt Schol	Hart, Jenna Ann					
Stdnt Schol	Santos, Danielle M.					
Stdnt Schol	Virani, Archana Kaushikbhai					
N-130425-01	Cultivating Persistence and Leadership Development in Science Master Teachers (Robert Noyce Teacher Scholarship)	No	\$1,314,597	\$84,647	\$1,399,244	\$979,471
<i>4/1/24 to 3/31/27 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Johnson, Natasha Yvonne	Teacher Education			70	
Co-PI	Bossenbroek, Jonathan	Environmental Sciences, Department of			10	
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of			10	
Co-I	Toland, Michael	Dean-Education			10	
R-106314-25	CTE Teacher Preparation and Retention	No	\$95,238	\$4,762	\$100,000	\$100,000
<i>7/1/23 to 6/30/24 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	Toland, Michael	Teacher Education			50	
Co-I	Heban, Debra Sue	Teacher Education			50	
R-126554-07	Tech Prep Pathways Grant SFY24	No	\$464,398	\$0	\$464,398	\$445,822
<i>7/1/23 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wilson, Kathy S.	Teacher Education			96	
Co-I	Toland, Michael	Dean-Education			4	
R-127048-06	SuccessBound Conference - Northwest Ohio Tech Prep	No	\$6,600	\$0	\$6,600	\$6,600
<i>3/22/24 to 6/30/24 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wilson, Kathy S.	Teacher Education			100	
Sum of Department (Teacher Education) Award Count: 9.01						\$2,310,257

Engineering, College of

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			Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Administration, College of Engineering							
N-600396-01	Grant Writing Support		No	\$22,500	\$0	\$22,500	\$22,500
<i>5/30/24 to 11/30/24 Imagination Station</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Czerniak, Charlene M.		Administration, College of Engineering		100	
N-600485-01	ASEEKnowIEDGE Change Team		No	\$7,692	\$2,308	\$10,000	\$4,000
<i>9/8/23 to 7/31/24 National Science Foundation through American Society for Engineering Education</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Hefzy, Mohamed Samir		Mechanical, Industrial, and Manufacturing Engineering, Departm		20	
	Co-PI	Elahinia, Mohammad		Administration, College of Engineering		20	
	Co-PI	Toole, Thomas Michael		Civil & Environmental Engineering, Department of		0	
	Co-I	Berhan, Lesley		Mechanical, Industrial, and Manufacturing Engineering, Departm		20	
	Co-I	Das, Dilip A.		Diversity & Inclusion		0	
	Co-I	Hixon, Duane		Mechanical, Industrial, and Manufacturing Engineering, Departm		20	
	Co-I	Relue, Patricia Ann		Administration, College of Engineering		20	
Sum of Department (Administration, College of Engineering) Award Count: 1.40							\$26,500
Bioengineering, Department of							
C-127707-04	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway		No	\$40,000	\$3,200	\$43,200	\$34,560
<i>8/1/23 to 7/31/24 National Institute of Biomedical Imaging & Bioengineering</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, Departm		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	
C-129296-04	Choose Ohio First FY16 Completion Grant		No	\$213,390	\$0	\$213,390	\$213,390
<i>6/1/24 to 5/31/25 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-129411-01-A1	Investigation into Integrated Phosphorus and Ammonia Recovery in Swine Applications		No	\$34,411	\$17,378	\$51,789	\$51,789
<i>7/1/23 to 2/28/25 National Institute of Food and Agriculture through Applied Environmental Solutions, LLC</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Viamajala, Sridhar		Bioengineering, Department of		100	

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Bioengineering, Department of						
N-129583-01-A1	Targeting FASN to eliminate metastatic breast cancer in the brain	No	\$116,875	\$63,697	\$180,572	\$9,029
<i>7/8/23 to 6/30/24 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of	90			
Co-I	Liu, JingYuan	Medicine, Department of	5			
Co-I	Tang, Yuan	Bioengineering, Department of	5			
N-130259-01	Dana contract: Vehicle Mechatronics Certificate Program (Cohort 3)	No	\$284,238	\$29,262	\$313,500	\$78,375
<i>8/1/23 to 5/31/25 Dana Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm	25			
Co-PI	Hefzy, Mohamed Samir	Mechanical, Industrial, and Manufacturing Engineering, Departm	25			
Co-I	Choueiri, George	Mechanical, Industrial, and Manufacturing Engineering, Departm	25			
Co-I	Relue, Patricia Ann	Bioengineering, Department of	25			
N-130290-01	FEA work on the Sansur/Ludwig bone screw design	No	\$18,000	\$5,850	\$23,850	\$23,850
<i>7/1/23 to 6/30/25 University of Maryland at Baltimore</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
Stdnt Schol	Tripathi, Sudharshan	Bioengineering, Department of				
N-130510-01	Super RAPIDS	No	\$1,029,605	\$0	\$1,029,605	\$360,362
<i>2/28/24 to 6/30/26 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Relue, Patricia Ann	Bioengineering, Department of	22			
Co-PI	Cameron, Brent D.	Bioengineering, Department of	13			
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm	13			
Co-PI	Lawrence, Joseph G.	Chemical Engineering, Department of	13			
Co-I	Evans, William T.	Engineering Technology, Department of	13			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	13			
Co-I	Sun, Weiqing	Engineering Technology, Department of	13			
N-130563-01	CrewCare Helmet Health System (CrewCare-HHS): a helmet-integrated health and performance monitoring system	No	\$28,289	\$14,711	\$43,000	\$43,000
<i>2/5/24 to 8/4/24 U.S. Department of Defense 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-130589-01-W1	Biomechanical testing of spinal devices	No	\$15,754	\$4,726	\$20,480	\$20,480
<i>12/18/23 to 12/17/25 CTL Medical Corp.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Cameron, Brent D.	Bioengineering, Department of	100			

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Bioengineering, Department of						
N-130635-01	Choose Ohio First Scholarship Program (24.40)	No	\$76,857	\$0	\$76,857	\$76,857
5/1/24 to 6/30/25 Ohio Department of Higher Education						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Molitor, Scott C.	Bioengineering, Department of	100		
S-124228-09-S1	Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) - INTERN (Characterizing the Performance and Durability of Anterior Vertebral Body Tethering (AVBT) Systems)	No	\$43,759	\$11,051	\$54,810	\$54,810
11/29/23 to 11/30/24 National Science Foundation						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Cameron, Brent D.	Bioengineering, Department of	100		
	PI/PD	Goel, Vijay K.	Bioengineering, Department of			
S-124228-09-W1	Investigation of the spinal cord and nerve roots in Ossification of the Posterior Longitudinal Ligament (OPLL) and various decompression techniques in a cervical and thoracolumbar-ribcage finite element model with muscle forces	No	\$18,182	\$1,818	\$20,000	\$20,000
9/1/23 to 8/31/24 NSF-CDMI Industry Consortium						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Cameron, Brent D.	Bioengineering, Department of	100		
	PI/PD	Goel, Vijay K.	Bioengineering, Department of			
S-124228-09-W2	Evaluation and comparison of the mechanical properties of nanograined metals (NanoSus Cp-4 Titanium) and baseline alloys (standard Ti6Al4V alloy) in an ASTM standards F1717 corpectomy model	No	\$54,545	\$5,455	\$60,000	\$60,000
9/1/23 to 8/31/24 NSF-CDMI Industry Consortium						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Cameron, Brent D.	Bioengineering, Department of	100		
	PI/PD	Goel, Vijay K.	Bioengineering, Department of			
S-124228-09-W3	The role of flexibility of the thoracic spine on lumbar spinal disease based on the concept of joint-by-joint theory	No	\$18,182	\$1,818	\$20,000	\$20,000
9/1/23 to 8/31/24 NSF-CDMI Industry Consortium						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Cameron, Brent D.	Bioengineering, Department of	100		
	PI/PD	Goel, Vijay K.	Bioengineering, Department of			

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							
S-124228-09-W4	Development of clinically relevant in-vitro testing protocol to evaluate sacroiliac joint (SIJ) fusion devices by-joint theory		No	\$18,182	\$1,818	\$20,000	\$20,000
<i>9/1/23 to 8/31/24</i>	<i>NSF-CDMI Industry Consortium</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Cameron, Brent D.		Bioengineering, Department of		100	
	PI/PD	Goel, Vijay K.		Bioengineering, Department of			
S-124228-09-W5	Biomechanics of cervical spine with artificial disc during pilot ejection (Year 3 - index 207090)		No	\$18,182	\$1,818	\$20,000	\$20,000
<i>9/1/23 to 8/31/24</i>	<i>NSF-CDMI Industry Consortium</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Cameron, Brent D.		Bioengineering, Department of		100	
	PI/PD	Goel, Vijay K.		Bioengineering, Department of			
S-129452-01-S1	REU Supplement: PFI-TT: Biomimetic Engineered Space Technology Platform		No	\$0	\$16,000	\$16,000	\$12,800
<i>7/6/23 to 2/28/25</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		70	
	Co-I	Ayan, Halim		Bioengineering, Department of		10	
	Co-I	Georgiev, Daniel G.		Electrical Engineering and Computer Science, Department of		5	
	Co-I	Rapino, Norman		Electrical Engineering and Computer Science, Department of		15	
Sum of Department (Bioengineering, Department of)						Award Count: 14.25	\$1,119,301
Chemical Engineering, Department of							
C-125107-09	Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education		No	\$1,664,851	\$192,839	\$1,857,690	\$185,769
<i>1/1/24 to 12/31/24</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	
	Stdnt Schol	Paudyal, Pramila					
C-128458-02	High pH/high alkalinity cultivation for Direct Atmospheric Air Capture and Algae Bioproducts		No	\$189,549	\$95,722	\$285,271	\$285,271
<i>10/1/23 to 3/31/25</i>	<i>U.S. Department of Energy through Montana State University</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Viamajala, Sridhar		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						
C-129563-01-I03	High Fidelity Simulations of Membrane Gas Separation Modules (Task 1)	No	\$7,973	\$4,027	\$12,000	\$12,000
<i>9/12/23 to 3/31/24 National Energy Technology Laboratory through Leidos, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100		
C-129563-01-I04	High Fidelity Simulations of Membrane Gas Separation Modules (Task 1)	No	\$13,320	\$6,726	\$20,046	\$20,046
<i>2/14/24 to 5/31/24 National Energy Technology Laboratory through Leidos, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100		
C-129801-02	Development and Validation of Early Detection and Sustained Treatment Methods to Control HABs in Inland Source Waters in Ohio (Option Year 2)	No	\$431,362	\$68,573	\$499,935	\$109,986
<i>1/1/24 to 12/31/24 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	36		
	Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	20		
	Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	22		
	Co-I	Lapitsky, Yakov	Chemical Engineering, Department of	22		
	Stdnt Schol	Depinet, Kelsey Ann				
	Stdnt Schol	Head, Samuel M.				
	Stdnt Schol	Patel, Vansh				
C-130022-01-I01	Industrial Carbon Capture Membrane Simulation (Task 3)	No	\$9,927	\$5,013	\$14,940	\$14,940
<i>9/12/23 to 6/30/24 National Energy Technology Laboratory through Leidos, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100		
C-130322-01-I01	From Bottles to Beauty: Creating Connections using Experiential Learning in Plastics Circularity	No	\$132,891	\$67,109	\$200,000	\$150,000
<i>5/7/24 to 2/28/27 National Institute of Standards and Technology</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Lawrence, Joseph G.	Chemical Engineering, Department of	75		
	PI/PD	Liberatore, Matthew Walter	Chemical Engineering, Department of			
	Co-I	Baki, Gabriella	Pharmacy Practice, Department of	25		

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemical Engineering, Department of						
N-129557-01-A1	Engineering Exosome for Pancreatic Cancer Targeting Therapies	No	\$322,355	\$175,683	\$498,038	\$24,902
<i>9/21/23 to 8/31/24 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liu, Shi-He	Cell & Cancer Biology, Department of	95			
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of	5			
Co-I	Liu, JingYuan	Medicine, Department of				
Co-I	Stanoszek, Lauren Michele	Pathology, Department of				
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of				
N-129563-01-I02	High Fidelity Simulations of Membrane Gas Separation Modules (Task 1)	No	\$3,987	\$2,013	\$6,000	\$6,000
<i>8/22/23 to 12/30/23 National Energy Technology Laboratory through Leidos, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lipscomb, Glenn	Chemical Engineering, Department of	100			
N-130318-01-W1	Test and Modeling to Predict Spacesuit Water Membrane Evaporator Failures (RSES)	No	\$9,272	\$4,728	\$14,000	\$14,000
<i>6/1/23 to 12/31/24 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			
N-130322-01	From Bottles to Beauty: Creating Connections using Experiential Learning in Plastics Circularity	No	\$212,757	\$87,243	\$300,000	\$225,000
<i>3/1/24 to 2/28/27 National Institute of Standards and Technology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lawrence, Joseph G.	Chemical Engineering, Department of	75			
PI/PD	Liberatore, Matthew Walter	Chemical Engineering, Department of				
Co-I	Baki, Gabriella	Pharmacy Practice, Department of	25			
N-130510-01	Super RAPIDS	No	\$1,029,605	\$0	\$1,029,605	\$133,849
<i>2/28/24 to 6/30/26 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Relue, Patricia Ann	Bioengineering, Department of	22			
Co-PI	Cameron, Brent D.	Bioengineering, Department of	13			
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm	13			
Co-PI	Lawrence, Joseph G.	Chemical Engineering, Department of	13			
Co-I	Evans, William T.	Engineering Technology, Department of	13			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	13			
Co-I	Sun, Weiqing	Engineering Technology, Department of	13			

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemical Engineering, Department of						
N-130577-01-W1	Rheology testing for Velcro	No	\$7,692	\$2,308	\$10,000	\$10,000
<i>11/6/23 to 11/5/25 Velcro USA Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liberatore, Matthew Walter	Chemical Engineering, Department of	100			
N-600142-01	Reactive Melt Extrusion of PET and PEF Blends	No	\$49,342	\$25,658	\$75,000	\$75,000
<i>1/16/24 to 1/15/25 Micromidas, Inc., dba Origin Materials</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lawrence, Joseph G.	Chemical Engineering, Department of	100			
Sum of Department (Chemical Engineering, Department of)			Award Count: 10.00		\$1,266,762	
Civil & Environmental Engineering, Department of						
C-128313-04	Evaluation of the Perpetual Pavement Concept	No	\$8,871	\$3,626	\$12,497	\$12,497
<i>8/23/23 to 10/1/24 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			
Stdnt Schol	Bhattarai, Aashish					
Stdnt Schol	Carr, Wendy Michelle					
C-128815-04	Campus Wastewater Monitoring of University of Toledo Campus	No	\$303,914	\$75,979	\$379,893	\$75,979
<i>7/1/23 to 6/30/24 Centers for Disease Control and Prevention through Ohio Department of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chakravarti, Ritu	Physiology & Pharmacology, Department of	80			
Co-I	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of				
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	20			
Co-I	Taylor, Roger Travis	Med Microbiology & Immunology, Department of				
C-129801-02	Development and Validation of Early Detection and Sustained Treatment Methods to Control HABs in Inland Source Waters in Ohio (Option Year 2)	No	\$431,362	\$68,573	\$499,935	\$289,962
<i>1/1/24 to 12/31/24 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	36			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	20			
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	22			
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of	22			
Stdnt Schol	Depinet, Kelsey Ann					
Stdnt Schol	Head, Samuel M.					
Stdnt Schol	Patel, Vansh					

Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Civil & Environmental Engineering, Department of						
N-130010-01	Evaluating Residual Strength of Corrosion-Damaged Reinforced Concrete Members	No	\$24,997	\$3,749	\$28,746	\$28,746
<i>10/1/23 to 9/25/25 American Concrete Institute Foundation through University of Texas at Austin</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of	100		
N-130187-01	Veterans' Glass City Skyway Bridge Main Cable Evaluation	No	\$103,234	\$40,414	\$143,648	\$136,466
<i>7/27/23 to 5/27/25 U.S. Department of Transportation through Ohio Department of Transportation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of	83		
	Co-I	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of	5		
	Co-I	Nims, Douglas K.	Civil & Environmental Engineering, Department of	12		
N-130324-01	Enhancing the Performance of Granular Activated Carbon Contactors for Contaminant Removal	No	\$132,690	\$67,008	\$199,698	\$199,698
<i>10/30/23 to 10/29/28 Ohio Water Development Authority</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Seo, Youngwoo	Civil & Environmental Engineering, Department of	100		
N-130524-01	Advance entrepreneurial mindset within engineering education to impact undergraduate engineering students	No	\$10,000	\$0	\$10,000	\$10,000
<i>9/1/23 to 8/1/24 Kern Family Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of	100		
N-130551-01	Innovative Evaluation of Prestressed Concrete Box Beam Bridge Designs (STAR Program)	No	\$95,000	\$5,000	\$100,000	\$100,000
<i>2/5/24 to 6/5/25 U.S. Department of Transportation through Ohio Department of Transportation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of	100		
N-130624-01	Alternative Energy Sources for Electric Vehicle Charging Stations	No	\$100,651	\$8,052	\$108,703	\$54,352
<i>2/22/24 to 6/30/25 Ohio Department of Higher Education through Ohio University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Stuart, Thomas A.	Electrical Engineering and Computer Science, Department of	50		
	Co-I	Chou, Eddie Yein-Juin	Civil & Environmental Engineering, Department of	50		
N-600049-01	From Data to Action: Leveraging Machine Learning/ Artificial Intelligence to Guide Proactive Pedestrian and Cyclist Safety Initiatives	No	\$95,000	\$5,000	\$100,000	\$100,000
<i>2/1/24 to 8/26/25 U.S. Department of Transportation through Ohio Department of Transportation</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-600485-01	ASEE KnowLEDGE Change Team	No	\$7,692	\$2,308	\$10,000	\$0
<i>9/8/23 to 7/31/24 National Science Foundation through American Society for Engineering Education</i>						

Role	Name	Department	% Credit
PI/PD	Hefzy, Mohamed Samir	Mechanical, Industrial, and Manufacturing Engineering, Department of	20
Co-PI	Elahinia, Mohammad	Administration, College of Engineering	20
Co-PI	Toole, Thomas Michael	Civil & Environmental Engineering, Department of	0
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	20
Co-I	Das, Dilip A.	Diversity & Inclusion	0
Co-I	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Department of	20
Co-I	Relue, Patricia Ann	Administration, College of Engineering	20

S-129560-01-S1	Investigation of Pavement Performance in Historically Under-Performing Regions	No	\$47,425	\$4,194	\$51,619	\$51,619
<i>5/28/24 to 10/5/25 U.S. Department of Transportation through Ohio Department of Transportation</i>						

Role	Name	Department	% Credit
PI/PD	Chou, Eddie Yein-Juin	Civil & Environmental Engineering, Department of	100
Stdnt Schol	Davenport, Austin Mark		

Sum of Department (Civil & Environmental Engineering, Department of) Award Count: **9.23** **\$1,059,318**

Electrical Engineering and Computer Science, Department of

C-128819-03-I01	Reconfigurable Plasma Protection against High Power Microwaves	No	\$39,868	\$20,132	\$60,000	\$60,000
<i>10/9/23 to 9/30/24 Office of Naval Research through Purdue University</i>						

Role	Name	Department	% Credit
PI/PD	Semnani, Abbas	Electrical Engineering and Computer Science, Department of	100

C-128819-03-I02	Reconfigurable Plasma Protection against High Power Microwaves	No	\$48,361	\$24,423	\$72,784	\$72,784
<i>6/24/24 to 4/30/25 Office of Naval Research through Purdue University</i>						

Role	Name	Department	% Credit
PI/PD	Semnani, Abbas	Electrical Engineering and Computer Science, Department of	100

C-128989-04	“PROMPT: Process for Rapid Optimization and Modeling of Power Transistors.”	No	\$79,734	\$40,266	\$120,000	\$120,000
<i>7/26/23 to 12/31/24 Office of Naval Research</i>						

Role	Name	Department	% Credit
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	100
Stdnt Schol	Atwimah, Samuel Kwabena		
Stdnt Schol	Wedding, Carol Ann Estelle		

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>
Electrical Engineering and Computer Science, Department of							
C-129270-02	Integrated LIBS-RAMAN-AI System for Real Time, In-Situ Chemical Analysis of MSW Streams		No	\$35,120	\$17,735	\$52,855	\$52,855
<i>11/1/23 to 1/31/26</i>	<i>U.S. Department of Energy through Lehigh University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Cheng, Liang	Electrical Engineering and Computer Science, Department of				100	
C-130079-02	Ohio TechNet Northeast Ohio (OTN-NEO) Semiconductor Workforce Consortium		No	\$25,477	\$0	\$25,477	\$25,477
<i>9/1/23 to 8/31/24</i>	<i>Intel Corporation through Lorain County Community College</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Cheng, Liang	Electrical Engineering and Computer Science, Department of				100	
PI/PD	Hobbs, Joseph Martin	Electrical Engineering and Computer Science, Department of					
N-129758-01	High-throughput high-resolution microscopy for mechanism based phenotypic drug discovery applications		No	\$300,000	\$151,500	\$451,500	\$45,150
<i>8/1/23 to 7/31/26</i>	<i>National Institute of Biomedical Imaging & Bioengineering</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Ray, Aniruddha	Physics and Astronomy, Department of				90	
Co-I	Kaur, Devinder	Electrical Engineering and Computer Science, Department of				10	
Stdnt Schol	Himel, Antardip						
Stdnt Schol	Koogan, Cyrus Thomas Rex						
Stdnt Schol	Mudaliyar, Ashwini						
Stdnt Schol	Subramanian, Aakash						
N-130187-01	Veterans' Glass City Skyway Bridge Main Cable Evaluation		No	\$103,234	\$40,414	\$143,648	\$7,182
<i>7/27/23 to 5/27/25</i>	<i>U.S. Department of Transportation through Ohio Department of Transportation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Guner, Serhan	Civil & Environmental Engineering, Department of				83	
Co-I	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of				5	
Co-I	Nims, Douglas K.	Civil & Environmental Engineering, Department of				12	
N-130314-01-W1	Demonstration of High Efficiency GaN-based Power Inverter for Electric Machines		No	\$39,474	\$20,526	\$60,000	\$60,000
<i>11/20/23 to 8/31/25</i>	<i>Dana Corporation</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	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of				50	
Stdnt Schol	Patil, Samruddhi Madhusudar						
Stdnt Schol	Seward, Peyton						

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-130406-01	CAREER: Novel Microplasmas for Highly Compact and Versatile RF Electronics	No	\$290,947	\$146,928	\$437,875	\$437,875
<i>5/1/24 to 4/30/29 National Science Foundation</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		
Stdnt Schol	Dhumma, Anuja Anil					
N-130422-01	IPA	No	\$199,945	\$0	\$199,945	\$199,945
<i>9/11/23 to 9/10/24 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Serpen, Gursel	Electrical Engineering and Computer Science, Department of		100		
N-130508-01	Modeling of Components in Nuclear/Renewable Power Systems	No	\$59,801	\$31,097	\$90,898	\$68,174
<i>11/9/23 to 10/31/24 U.S. Department of Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of		25		
Co-I	Heben, Michael J.	Physics and Astronomy, Department of		25		
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		25		
Co-I	Krishna Murari, FNU	Electrical Engineering and Computer Science, Department of		25		
N-130510-01	Super RAPIDS	No	\$1,029,605	\$0	\$1,029,605	\$133,849
<i>2/28/24 to 6/30/26 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Relue, Patricia Ann	Bioengineering, Department of		22		
Co-PI	Cameron, Brent D.	Bioengineering, Department of		13		
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm		13		
Co-PI	Lawrence, Joseph G.	Chemical Engineering, Department of		13		
Co-I	Evans, William T.	Engineering Technology, Department of		13		
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		13		
Co-I	Sun, Weiqing	Engineering Technology, Department of		13		
N-130624-01	Alternative Energy Sources for Electric Vehicle Charging Stations	No	\$100,651	\$8,052	\$108,703	\$54,352
<i>2/22/24 to 6/30/25 Ohio Department of Higher Education through Ohio University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Stuart, Thomas A.	Electrical Engineering and Computer Science, Department of		50		
Co-I	Chou, Eddie Yein-Juin	Civil & Environmental Engineering, Department of		50		
N-130640-01	Improving Cybersecurity Awareness and K-12 Education in Northwestern Ohio	No	\$12,377	\$0	\$12,377	\$6,189
<i>12/19/23 to 6/30/24 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	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		50		
Co-I	Sun, Weiqing	Engineering Technology, 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-130644-01	TCAD and Circuit Models for Semiconductor Opening Switches	No	\$65,790	\$34,210	\$100,000	\$100,000
<i>3/28/24 to 12/31/25 Naval Research Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of	50			
Co-PI	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	50			
Stdnt Schol	Fearn, Terry					
Stdnt Schol	Halterman, Elijah					
N-600212-01	SMART Hub (Task Order #2)	No	\$79,465	\$41,322	\$120,787	\$120,787
<i>5/20/24 to 7/31/26 Army Research Laboratory through Baylor 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			
S-129452-01-S1	REU Supplement: PFI-TT: Biomimetic Engineered Space Technology Platform	No	\$0	\$16,000	\$16,000	\$3,200
<i>7/6/23 to 2/28/25 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	70			
Co-I	Ayan, Halim	Bioengineering, Department of	10			
Co-I	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of	5			
Co-I	Rapino, Norman	Electrical Engineering and Computer Science, Department of	15			
um of Department (Electrical Engineering and Computer S)						Award Count: 12.23
						\$1,567,817
Engineering Technology, Department of						
N-130421-01	IPA	No	\$212,029	\$0	\$212,029	\$212,029
<i>8/28/23 to 8/27/24 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Alaraje, Abdunnasser	Engineering Technology, Department of	100			
N-130510-01	Super RAPIDS	No	\$1,029,605	\$0	\$1,029,605	\$267,697
<i>2/28/24 to 6/30/26 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Relue, Patricia Ann	Bioengineering, Department of	22			
Co-PI	Cameron, Brent D.	Bioengineering, Department of	13			
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm	13			
Co-PI	Lawrence, Joseph G.	Chemical Engineering, Department of	13			
Co-I	Evans, William T.	Engineering Technology, Department of	13			
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	13			
Co-I	Sun, Weiqing	Engineering Technology, Department of	13			

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>	
Engineering Technology, Department of								
N-130640-01	Improving Cybersecurity Awareness and K-12 Education in Northwestern Ohio		No	\$12,377	\$0	\$12,377	\$6,189	
<i>12/19/23 to 6/30/24 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	Javaid, Ahmad Y.		Electrical Engineering and Computer Science, Department of		50		
	Co-I	Sun, Weiqing		Engineering Technology, Department of		50		
N-600352-01	Integration of Computational Tools in the Mechanical Engineering (ME) and Mechanical Engineering Technology (MET) Curricula		No	\$5,000	\$0	\$5,000	\$1,250	
<i>4/1/24 to 12/31/24 Kern Family Foundation through University of Illinois at Urbana-Champaign</i>								
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Cioc, Sorin		Mechanical, Industrial, and Manufacturing Engineering, Departnr		55		
	Co-PI	Amili, Omid		Mechanical, Industrial, and Manufacturing Engineering, Departnr		10		
	Co-PI	Cioc, Carmen		Engineering Technology, Department of		25		
	Co-PI	Gupta, Anju R.		Mechanical, Industrial, and Manufacturing Engineering, Departnr		10		
R-127946-05	Choose Ohio First: IMProving Retention and Student Success in Computing (COFIMPRESS-C)		No	\$200,237	\$0	\$200,237	\$200,237	
<i>4/1/24 to 5/31/25 Ohio Department of Higher Education</i>								
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Alaraje, Abdunnasser		Engineering Technology, Department of		100		
um of Department (Engineering Technology, Department o)							Award Count: 3.01	\$687,402
Mechanical, Industrial, and Manufacturing Engineering, Department of								
C-127707-04	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway		No	\$40,000	\$3,200	\$43,200	\$2,160	
<i>8/1/23 to 7/31/24 National Institute of Biomedical Imaging & Bioengineering</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, Departnr		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		
C-128307-05	Compact Gas Turbine Compressor CFD Analysis		No	\$168,917	\$43,918	\$212,835	\$212,835	
<i>4/1/24 to 3/31/25 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, Departnr		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-128329-03	NSF I-Corps Hub: Great Lakes Region	No	\$41,876	\$10,888	\$52,764	\$52,764
<i>1/1/24 to 12/31/24 National Science Foundation through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Departnr	100		
	Dir Ctr/Inst	Rapino, Norman	Research & Sponsored Programs	0		
C-128330-06	Compact Gas Turbine Compressor CFD Analysis	No	\$56,730	\$14,750	\$71,480	\$71,480
<i>10/1/23 to 3/31/24 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, Departnr	100		
C-128330-07	Compact Gas Turbine Compressor CFD Analysis	No	\$50,393	\$13,102	\$63,495	\$63,495
<i>4/1/24 to 9/30/24 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, Departnr	100		
C-128334-06	Advanced Computational Tools for the Simulation of Multistage Turbomachinery in Support of Aeropropulsion	No	\$15,448	\$4,016	\$19,464	\$19,464
<i>10/1/23 to 3/31/24 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, Departnr	100		
C-128334-07	Advanced Computational Tools for the Simulation of Multistage Turbomachinery in Support of Aeropropulsion	No	\$50,393	\$13,102	\$63,495	\$63,495
<i>4/1/24 to 9/30/24 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, Departnr	100		
C-128335-06	Analysis for Future Aircraft Propulsion Systems	No	\$64,574	\$16,789	\$81,363	\$81,363
<i>10/1/23 to 3/31/24 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, Departnr	100		
C-128335-07	Analysis for Future Aircraft Propulsion Systems	No	\$133,866	\$34,805	\$168,671	\$168,671
<i>4/1/24 to 3/31/25 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, Departnr	100		
C-128351-05	High Temperature Materials & Coatings for Extreme Environments	No	\$78,214	\$20,336	\$98,550	\$98,550
<i>10/1/23 to 3/31/24 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, Departnr	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-128351-06	High Temperature Materials & Coatings for Extreme Environments	No	\$78,994	\$20,538	\$99,532	\$99,532
4/1/24 to 9/30/24	NASA John H. Glenn Research Center at Lewis Field through HX5, LLC					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-128352-04	Nondestructive Evaluation for Aerospace Materials & Structures	No	\$139,596	\$36,295	\$175,891	\$175,891
4/1/24 to 3/31/25	NASA John H. Glenn Research Center at Lewis Field through HX5, LLC					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-128353-05	Advanced Microscopy and Microstructural Analysis	No	\$236,789	\$61,565	\$298,354	\$298,354
4/1/24 to 3/31/25	NASA John H. Glenn Research Center at Lewis Field through HX5, LLC					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-128354-05	Analysis and Testing of Advanced Materials & Structures	No	\$162,174	\$42,165	\$204,339	\$204,339
4/1/24 to 3/31/25	NASA John H. Glenn Research Center at Lewis Field through HX5, LLC					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-128423-04	Business Waste Reduction Assistance Program	No	\$81,818	\$8,182	\$90,000	\$90,000
1/1/24 to 12/31/24	Lucas County Solid Waste Division					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-128719-03	Choose Ohio for Data, Environment, Energy, Entrepreneurialism and Sustainability (COD3ES)	No	\$229,320	\$0	\$229,320	\$229,320
7/1/23 to 6/30/24	Ohio Department of Higher Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-129686-02	Choose Ohio First - Academic Success through Corporate Engagement, Networking, and Training (COF – ASCENT) Program	No	\$127,680	\$0	\$127,680	\$127,680
7/1/23 to 6/30/24	Ohio Department of Higher Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		
C-130264-01-I01	Gradient Alloy Processing in Laser Powder Bed Fusion for Hypersonic Applications (OFRN round 6)	No	\$15,757	\$8,193	\$23,950	\$23,950
3/15/24 to 4/30/25	Ohio Department of Higher Education through ARCTOS Technology Solutions, LLC					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Qattawi, Ala Abdel Latef	Mechanical, Industrial, and Manufacturing Engineering, Departnr		100		

Engineering, College of

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Mechanical, Industrial, and Manufacturing Engineering, Department of						
C-130264-01-I02	Gradient Alloy Processing in Laser Powder Bed Fusion for Hypersonic Applications (OFRN round 6)	No	\$20,461	\$10,639	\$31,100	\$31,100
6/28/24 to 4/30/25 Ohio Department of Higher Education through ARCTOS Technology Solutions, LLC						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Qattawi, Ala Abdel Latef	Mechanical, Industrial, and Manufacturing Engineering, Departm			100	
C-130268-01-I01	Early Damage Evolution and Lifetime Prediction of Wire Arc Additive Manufactured Nickel Aluminum Bronze through High-Throughput Ultrasonic Fatigue Testing: An In-situ Corrosion Fatigue Study	No	\$29,900	\$15,100	\$45,000	\$45,000
5/22/24 to 8/14/26 Office of Naval Research						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Haghshenas, Meysam	Mechanical, Industrial, and Manufacturing Engineering, Departm			100	
N-129876-01	ADVANCE Catalyst: Transitioning from Anecdotal to Data-Driven Intersectional Approach for Institutional Change at the University of Toledo	No	\$163,729	\$82,683	\$246,412	\$98,565
8/1/23 to 5/2/25 National Science Foundation						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Departm			40	
Co-I	Barnes, Sharon L.	Women's & Gender Studies, Department of			20	
Co-I	Das, Dilip A.	Diversity & Inclusion			20	
Co-I	Lutman, Danielle Marie	Catharine S. Eberly Center for Women			20	
N-129950-01	ERI: Additive Manufacturing of Iron based Shape Memory Alloy	No	\$132,883	\$67,106	\$199,989	\$199,989
8/1/23 to 12/31/25 National Science Foundation						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Qattawi, Ala Abdel Latef	Mechanical, Industrial, and Manufacturing Engineering, Departm			100	
N-130225-01	Effusion Cooling for Hypersonic Ground Testing	No	\$2,306,236	\$693,766	\$3,000,002	\$450,000
7/31/24 to 1/30/27 Office of Naval Research						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Huebner, Steven Roy	Mechanical, Industrial, and Manufacturing Engineering, Departm				
PI/PD	Mason, Mark R.	Chemistry and Biochemistry, Department of			85	
Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Departm			5	
Co-I	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Departm			10	
Stdnt Schol	Waller, Jonathan Michael					

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-130226-01	Hydrogen Academic Programs to Enhance the Hydrogen Economy	No	\$2,551,413	\$448,587	\$3,000,000	\$750,000
<i>4/1/24 to 8/31/26 U.S. Department of Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Mason, Mark R.	Chemistry and Biochemistry, Department of			50	
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Departm			25	
Co-I	Shetty, Sujata	Geography and Planning, Department of			25	
N-130259-01	Dana contract: Vehicle Mechatronics Certificate Program (Cohort 3)	No	\$284,238	\$29,262	\$313,500	\$235,125
<i>8/1/23 to 5/31/25 Dana Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm			25	
Co-PI	Hefzy, Mohamed Samir	Mechanical, Industrial, and Manufacturing Engineering, Departm			25	
Co-I	Choueiri, George	Mechanical, Industrial, and Manufacturing Engineering, Departm			25	
Co-I	Relue, Patricia Ann	Bioengineering, Department of			25	
N-130264-01	Gradient Alloy Processing in Laser Powder Bed Fusion for Hypersonic Applications (OFRN round 6)	No	\$15,757	\$8,193	\$23,950	\$23,950
<i>11/29/23 to 4/30/25 Ohio Department of Higher Education through ARCTOS Technology Solutions, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Qattawi, Ala Abdel Latef	Mechanical, Industrial, and Manufacturing Engineering, Departm			100	
N-130268-01	Early Damage Evolution and Lifetime Prediction of Wire Arc Additive Manufactured Nickel Aluminum Bronze through High-Throughput Ultrasonic Fatigue Testing: An In-situ Corrosion Fatigue Study	No	\$53,156	\$26,844	\$80,000	\$80,000
<i>8/15/23 to 8/14/26 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Haghshenas, Meysam	Mechanical, Industrial, and Manufacturing Engineering, Departm			100	
N-130385-01	I-Corps: High efficiency multi-material heat sink/storage by additive manufacturing	No	\$45,000	\$5,000	\$50,000	\$50,000
<i>9/15/23 to 2/28/25 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, Departm			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-130510-01	Super RAPIDS	No	\$1,029,605	\$0	\$1,029,605	\$133,849
<i>2/28/24 to 6/30/26 Ohio Department of Higher Education</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Relue, Patricia Ann	Bioengineering, Department of	22		
	Co-PI	Cameron, Brent D.	Bioengineering, Department of	13		
	Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Departm	13		
	Co-PI	Lawrence, Joseph G.	Chemical Engineering, Department of	13		
	Co-I	Evans, William T.	Engineering Technology, Department of	13		
	Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of	13		
	Co-I	Sun, Weiqing	Engineering Technology, Department of	13		
N-600184-01	Development of flow sensor technology for fluid dynamics	No	\$45,000	\$5,000	\$50,000	\$50,000
<i>5/15/24 to 4/30/25 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Jayatissa, Ahalapitiya H.	Mechanical, Industrial, and Manufacturing Engineering, Departm	100		
N-600328-01	Rotating bending fatigue (RBF) testing for decision making of a novel surface treatment process (Work Order 1)	No	\$9,242	\$2,773	\$12,015	\$12,015
<i>3/29/24 to 3/28/26 Hyphen Innovations LLC</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Haghshenas, Meysam	Mechanical, Industrial, and Manufacturing Engineering, Departm	100		
N-600352-01	Integration of Computational Tools in the Mechanical Engineering (ME) and Mechanical Engineering Technology (MET) Curricula	No	\$5,000	\$0	\$5,000	\$3,750
<i>4/1/24 to 12/31/24 Kern Family Foundation through University of Illinois at Urbana-Champaign</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Departm	55		
	Co-PI	Amili, Omid	Mechanical, Industrial, and Manufacturing Engineering, Departm	10		
	Co-PI	Cioc, Carmen	Engineering Technology, Department of	25		
	Co-PI	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Departm	10		
N-600485-01	ASEEKnoWEDGE Change Team	No	\$7,692	\$2,308	\$10,000	\$6,000
<i>9/8/23 to 7/31/24 National Science Foundation through American Society for Engineering Education</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Hefzy, Mohamed Samir	Mechanical, Industrial, and Manufacturing Engineering, Departm	20		
	Co-PI	Elahinia, Mohammad	Administration, College of Engineering	20		
	Co-PI	Toole, Thomas Michael	Civil & Environmental Engineering, Department of	0		
	Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Departm	20		
	Co-I	Das, Dilip A.	Diversity & Inclusion	0		
	Co-I	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Departm	20		
	Co-I	Relue, Patricia Ann	Administration, College of Engineering	20		

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>
Mechanical, Industrial, and Manufacturing Engineering, Department of						
S-129950-01-S1	ERI: Additive Manufacturing of Iron based Shape Memory Alloy	No	\$15,941	\$5,949	\$21,890	\$21,890
<i>5/8/24 to 12/31/25 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Qattawi, Ala Abdel Latef	Mechanical, Industrial, and Manufacturing Engineering, Departm	100			
S-130034-01-W1	Influence of HAZ Cracking in Aluminum Resistance Spot Welds	No	\$3,947	\$2,053	\$6,000	\$6,000
<i>2/16/24 to 6/30/25 Novelis Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Hongyan	Mechanical, Industrial, and Manufacturing Engineering, Departm	100			
Sum of Department (Mechanical, Industrial, and Manufactu)					Award Count: 30.08	\$4,280,575
Polymer Institute						
C-122172-12	Industrial Consortium for Poly(ethylene terephthalate), PET	No	\$82,053	\$26,257	\$108,310	\$108,310
<i>7/1/23 to 6/30/24 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			
N-130170-01	Additive Manufacturing of Beryllium for Defense	No	\$328,408	\$171,592	\$500,000	\$500,000
<i>1/11/24 to 8/30/25 Air Force Research Laboratory through Materion Brush Inc.</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	\$608,310
Sum of College (Engineering, College of)					Award Count: 82.20	\$10,615,985

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>
Administration, Health and Human Services						
N-130477-01	Great Minds Fellowship Program	No	\$1,063,360	\$0	\$1,063,360	\$1,063,360
<i>7/1/23 to 6/30/24 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Merrick, Mark Anthony	Administration, Health and Human Services	100			
N-130588-01	Ohio Behavioral Health Workforce Expansion Program	No	\$850,000	\$0	\$850,000	\$850,000
<i>2/28/24 to 3/14/25 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	Merrick, Mark Anthony	Administration, Health and Human Services	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 (Administration, Health and Human Ser			Award Count: 2.00		\$1,913,360		
Department of Exercise Rehab Sciences							
C-129274-02	Optimizing Clinical Outcomes for Patients with Patellofemoral Pain Using Strength Training Rehabilitation Incorporating Power Exercises (STRIPE)		No	\$36,950	\$18,660	\$55,610	\$27,805
<i>7/1/23 to 6/30/24</i>	<i>U.S. Department of Defense through University of Connecticut</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Bazett-Jones, David Matthew	Department of Exercise Rehab Sciences	50				
Co-I	Toland, Michael	Dean-Education	50				
N-130152-01	Using Simulation to Assess Bag Valve Mask Performance in Stressed Respiratory Care Students		No	\$2,325	\$0	\$2,325	\$2,325
<i>5/1/23 to 4/30/25</i>	<i>Commission on Accreditation for Respiratory Care</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	McKenzie, Nicole Lynn	Department of Exercise Rehab Sciences	60				
Co-I	Alyousif, Zakaria Abdullah	Department of Exercise Rehab Sciences	0				
Co-I	Turley, Christa	Department of Exercise Rehab Sciences	40				
N-130590-01	Psychometric Properties of the MiniBESTest in Individuals with Acute Neurologica Conditions		No	\$1,596	\$0	\$1,596	\$1,596
<i>9/1/23 to 8/31/25</i>	<i>Ohio Physical Therapy Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Smith, Tori	Department of Exercise Rehab Sciences	75				
Co-I	Murray, Amanda Megan	Department of Exercise Rehab Sciences	25				
Sum of Department (Department of Exercise Rehab Science			Award Count: 2.50		\$31,726		
Department of Population Health							
C-101313-18	NIOSH Training Grant Project: Industrial Hygiene-University of Toledo		No	\$84,966	\$1,997	\$86,963	\$86,963
<i>7/1/23 to 6/30/24</i>	<i>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.	Department of Population Health	100				
C-124040-08	Health Promotion Coach Agreement		No	\$81,801	\$8,180	\$89,981	\$89,981
<i>6/1/24 to 5/31/25</i>	<i>Board of County (Lucas) Commissioners</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Dake, Joseph	Department of Population Health	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>	
Department of Population Health								
C-128565-03	Distance Education and Training on Emerging Contaminants and Technologies (DETECT)		No	\$27,962	\$2,237	\$30,199	\$30,199	
<i>9/1/23 to 8/31/24</i>	<i>National Institute of Environmental Health Sciences through Purdue University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Ames, April L.	Department of Population Health			60			
Co-I	Dwyer, Daryl	Environmental Sciences, Department of						
Co-I	Haller, Steven T.	Medicine, Department of						
Co-I	Kennedy, David Joseph	Medicine, Department of						
Co-I	Milz, Sheryl A.	Department of Population Health			20			
Co-I	Saltzman, Barbara	Department of Population Health			20			
N-130192-01	Racial Reckoning Through Empathy? Mapping Emotions and Beliefs about Racial Inequality in the Aftermath of the Covid-19 Crisis and 2020 Protests		No	\$30,000	\$0	\$30,000	\$30,000	
<i>7/1/23 to 11/24/24</i>	<i>Russell Sage Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Czaja, Erica	Department of Population Health			100			
N-130249-01	Understanding how workplace design can impact the health and wellbeing of breastfeeding mothers working in low-wage food industry jobs: A photovoice study		No	\$5,837	\$0	\$5,837	\$5,837	
<i>7/1/23 to 12/31/24</i>	<i>National Institute for Occupational Safety and Health through University of Cincinnati</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Steiner, Victoria	Department of Population Health			100			
N-130357-01	Understanding and Responding to the Early Care and Learning Needs of Young Children and Families in Ohio Experiencing Homelessness		No	\$688,464	\$68,847	\$757,311	\$181,755	
<i>9/1/23 to 6/30/24</i>	<i>Ohio Department of Education</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Delaney, Katherine Kresin	Teacher Education			24			
Co-I	Cleary, Heather Murphy Sloar	Department of Population Health			24			
Co-I	Fox, Christine	Teacher Education			24			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of			24			
Co-I	Toland, Michael	Dean-Education			4			
Stdnt Schol	Almasmary, Mona							
Stdnt Schol	Hart, Jenna Ann							
Stdnt Schol	Santos, Danielle M.							
Stdnt Schol	Virani, Archana Kaushikbhai							
Sum of Department (Department of Population Health)							Award Count: 5.24	\$424,735

Occupational Therapy Program

Health & Human Services, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Occupational Therapy Program						
C-127788-05	Project Prepare	No	\$117,662	\$5,301	\$122,963	\$61,482
<i>10/1/23 to 12/31/25 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dinnebeil, Laurie A.	Teacher Education	50			
Co-I	Metz, Alexia E.	Occupational Therapy Program	50			
Sum of Department (Occupational Therapy Program)			Award Count: 0.50		\$61,482	
School of Social Justice						
C-109685-12	Child Welfare Workforce Professional Education Program	No	\$275,000	\$27,500	\$302,500	\$302,500
<i>7/1/23 to 6/30/24 Administration for Children and Families through Ohio Department of Jobs and Family Services</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Prior, Michael	School of Social Justice	100			
C-129299-03	HUB Replication Evaluation	No	\$13,043	\$1,957	\$15,000	\$15,000
<i>1/1/24 to 12/31/24 Ohio Commission on Minority Health through 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			
C-129366-02	Self-Care for Community Health Workers and Neighborhood Navigators	No	\$208,976	\$31,346	\$240,322	\$240,322
<i>7/1/23 to 6/30/24 Centers for Disease Control and Prevention through Ohio Department of Health</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					
N-130065-01	Identifying Victims of Human Trafficking	No	\$237,598	\$35,640	\$273,238	\$273,238
<i>7/1/23 to 8/30/24 Ohio Attorney General</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
N-600278-01	Healthy Start Initiative: Eliminating Disparities in Perinatal Health	No	\$41,021	\$4,062	\$45,083	\$45,083
<i>5/1/24 to 3/31/25 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			
Sum of Department (School of Social Justice)			Award Count: 5.00		\$876,143	
Sum of College (Health & Human Services, College of)			Award Count: 15.24		\$3,307,445	

Law, 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>
Law, College of						
C-129205-03	The University of Toledo Low Income Taxpayer Clinic	No	\$10,000	\$0	\$10,000	\$10,000
<i>1/1/24 to 12/31/24 U.S. Department of the Treasury</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bourell, Christopher L.	Law, College of	100			
C-129205-03-I01	The University of Toledo Low Income Taxpayer Clinic	No	\$143,846	\$46,154	\$190,000	\$190,000
<i>1/1/24 to 12/31/24 U.S. Department of the Treasury</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bourell, Christopher L.	Law, College of	100			
N-130427-01	Institute of America Constitutional Thought and Leadership	No	\$909,091	\$90,909	\$1,000,000	\$1,000,000
<i>7/1/23 to 6/30/25 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gonzalez, Michael Roland	Law, College of	100			
PI/PD	Strang, Lee J.	Law, College of				
Co-I	Gurskey, Laura Emily					
N-130671-01	Launch into Law	No	\$52,770	\$0	\$52,770	\$52,770
<i>10/1/23 to 12/31/24 Ohio State Bar Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Caldeira, Amber Lynn	Law, College of	100			
		Sum of Department (Law, College of)		Award Count: 4.00		\$1,252,770
		Sum of College (Law, College of)		Award Count: 4.00		\$1,252,770

Medical 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>
Medical Services 5						
C-127707-04	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway	No	\$40,000	\$3,200	\$43,200	\$2,160
<i>8/1/23 to 7/31/24 National Institute of Biomedical Imaging & Bioengineering</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, Departm	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			

Medical 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>
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-010336-30 <i>9/1/23 to 8/31/24</i>					
AHEC Point of Service Maintenance and Enhancement <i>Health Resources & Services Administration</i>	No	\$1,472,947	\$8,985	\$1,481,932	\$1,481,932
<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: 1.00	\$1,481,932

Anesthesiology, Department of

N-129797-01 <i>8/2/23 to 6/30/24</i>					
Clinical and Translational Science Collaborative of Northern Ohio, Catalyzing Linkage to Equity in Health (CLE Health) <i>National Institutes of Health through Case Western Reserve University/Case Medical Center</i>	No	\$48,978	\$27,183	\$76,161	\$15,232
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of		30	
Co-I	Dworkin, Lance	Medicine, Department of		30	
Co-I	Pappada, Scott Michael	Anesthesiology, Department of		20	
Co-I	Shah, Zahoor	Medicinal and Biological Chemistry, Department of		20	
Sum of Department (Anesthesiology, Department of)				Award Count: 0.20	\$15,232

Cell & Cancer Biology, Department of

C-128276-04 <i>7/5/23 to 12/31/25</i>					
Metastatin Analogs for the Treatment of Metabolic Diseases <i>State University of New York Downstate Medical Center</i>	No	\$163,542	\$11,031	\$174,573	\$87,287
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Erhardt, Paul W.	Medicinal and Biological Chemistry, Department of		50	
Co-I	Liu, Shi-He	Cell & Cancer Biology, Department of		50	
C-128364-06 <i>1/1/24 to 12/31/25</i>					
Influence of bone microenvironment on drug resistance in prostate cancer bone metastasis <i>National Cancer Institute</i>	No	\$217,313	\$118,436	\$335,749	\$335,749
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Li, Xiaohong	Cell & Cancer Biology, 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>
Cell & Cancer Biology, Department of						
C-128395-02	Targeting eIF4A1 in drug-resistant breast cancer stem-like cells	No	\$263,387	\$137,164	\$400,551	\$364,501
<i>8/1/23 to 7/31/24 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Raman, Dayanidhi	Cell & Cancer Biology, Department of	89			
Co-I	Hamouda, Danae M.	Medicine, Department of	3			
Co-I	Khuder, Sadik	Medicine, Department of	3			
Co-I	Stanoszek, Lauren Michele	Medicine, Department of	3			
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of	2			
C-129026-03	A transcription-independent role of HSF1 in tumorigenesis via suppression of AMPK	No	\$149,965	\$11,997	\$161,962	\$161,962
<i>7/1/23 to 6/30/25 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Su, Kuo-Hui	Cell & Cancer Biology, Department of	100			
N-129557-01-A1	Engineering Exosome for Pancreatic Cancer Targeting Therapies	No	\$322,355	\$175,683	\$498,038	\$473,136
<i>9/21/23 to 8/31/24 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liu, Shi-He	Cell & Cancer Biology, Department of	95			
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of	5			
Co-I	Liu, JingYuan	Medicine, Department of				
Co-I	Stanoszek, Lauren Michele	Pathology, Department of				
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of				
N-129583-01-A1	Targeting FASN to eliminate metastatic breast cancer in the brain	No	\$116,875	\$63,697	\$180,572	\$162,515
<i>7/8/23 to 6/30/24 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of	90			
Co-I	Liu, JingYuan	Medicine, Department of	5			
Co-I	Tang, Yuan	Bioengineering, Department of	5			
N-129797-01	Clinical and Translational Science Collaborative of Northern Ohio, Catalyzing Linkage to Equity in Health (CLE Health)	No	\$48,978	\$27,183	\$76,161	\$22,848
<i>8/2/23 to 6/30/24 National Institutes of Health through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of	30			
Co-I	Dworkin, Lance	Medicine, Department of	30			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	20			
Co-I	Shah, Zahoor	Medicinal and Biological Chemistry, Department of	20			

Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Cell & Cancer Biology, Department of						
N-130213-01	Engineering Exosome for Pancreatic Cancer Targeting	No	\$45,455	\$4,545	\$50,000	\$50,000
7/1/23 to 6/30/24	Ohio Cancer Research Associates					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Liu, Shi-He	Cell & Cancer Biology, Department of	100		
	Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of			
N-130282-01	Developing PTH1R PROTAC degraders for lethal prostate cancer	No	\$99,961	\$54,478	\$154,439	\$154,439
1/1/24 to 12/31/25	U.S. Army Medical Research and Development Command					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Li, Xiaohong	Cell & Cancer Biology, Department of	50		
	Co-I	Cui, Qingbin	Cell & Cancer Biology, Department of	20		
	Co-I	Su, Shang	Cell & Cancer Biology, Department of	30		
N-130283-01	Dabber: D-Type Peptide Grabber for Degradation of Undruggable Transcription Factors in Lethal Prostate Cancer	No	\$99,943	\$54,469	\$154,412	\$154,412
4/1/24 to 3/31/26	U.S. Department of Defense					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Su, Shang	Cell & Cancer Biology, Department of	95		
	Co-I	Liu, JingYuan	Cell & Cancer Biology, Department of	5		
N-130342-01	Dormancy mimicking to inhibit prostate cancer metastasis and recurrence	No	\$900,000	\$402,690	\$1,302,690	\$1,302,690
2/15/24 to 2/14/27	U.S. Department of Defense					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Li, Xiaohong	Cell & Cancer Biology, Department of	100		
N-600410-01	Mechanisms of APOBEC3A-induced cancer evolution and cancer vulnerability	No	\$2,647	\$1,469	\$4,116	\$4,116
4/9/24 to 3/31/25	National Cancer Institute through Massachusetts General Hospital					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Saladi, Srinivas V.	Cell & Cancer Biology, Department of	100		
R-129681-02	RKIP and Metabolic Disease	No	\$90,909	\$9,091	\$100,000	\$100,000
10/31/23 to 10/30/24	Battersea & Bowery Advisory Group					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Yeung, Kam C.	Cell & Cancer Biology, Department of	100		
Sum of Department (Cell & Cancer Biology, Department of)					Award Count: 11.56	\$3,373,655

Division of Student Affairs

Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Division of Student Affairs						
C-110170-17	Upward Bound Program	No	\$464,862	\$37,189	\$502,051	\$502,051
9/1/23 to 8/31/24	U.S. Department of Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rogers, Pamela N.	Division of Student Affairs	100			
Sum of Department (Division of Student Affairs)						Award Count: 1.00
						\$502,051
Family Medicine, Department of						
N-130302-01	UToledo COMLS Regional Quality Improvement Hub (Federal)	No	\$370,257	\$37,026	\$407,283	\$203,642
7/1/23 to 6/30/24	Centers for Medicare and Medicaid Services through Ohio State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	50			
Co-PI	Speer, Linda Marie	Family Medicine, Department of	50			
N-130405-01	UToledo COMLS Regional Quality Improvement Hub (State)	No	\$141,228	\$14,123	\$155,351	\$77,676
7/1/23 to 6/30/24	Ohio Department of Medicaid through Ohio State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	50			
Co-I	Speer, Linda Marie	Family Medicine, Department of	50			
S-130302-02-S1	UToledo COMLS Regional Quality Improvement Hub (Federal)	No	\$46,971	\$4,697	\$51,668	\$25,834
7/1/24 to 6/30/25	Centers for Medicare and Medicaid Services through Ohio State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	50			
Co-PI	Speer, Linda Marie	Family Medicine, Department of	50			
S-130405-02-S1	UToledo COMLS Regional Quality Improvement Hub (State)	No	\$21,211	\$2,121	\$23,332	\$11,666
7/1/24 to 6/30/25	Ohio Department of Medicaid through Ohio State University					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	50			
Co-I	Speer, Linda Marie	Family Medicine, Department of	50			
Sum of Department (Family Medicine, Department of)						Award Count: 2.00
						\$318,817
Med Microbiology & Immunology, Department of						
C-127936-05	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
5/1/24 to 4/30/25	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			

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>
Med Microbiology & Immunology, Department of							
C-128815-04	Campus Wastewater Monitoring of University of Toledo Campus		No	\$303,914	\$75,979	\$379,893	
<i>7/1/23 to 6/30/24</i>	<i>Centers for Disease Control and Prevention through Ohio Department of Health</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Chakravarti, Ritu		Physiology & Pharmacology, Department of		80	
	Co-I	Chattopadhyay, Saurabh		Med Microbiology & Immunology, Department of			
	Co-I	Kang, Dae Wook		Civil & Environmental Engineering, Department of		20	
	Co-I	Taylor, Roger Travis		Med Microbiology & Immunology, Department of			
C-129262-02	Role of platelets in host-defense against respiratory viral infection		No	\$32,553	\$0	\$32,553	\$32,553
<i>1/1/24 to 12/31/24</i>	<i>American Heart Association - National</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Worth, Randall G.		Med Microbiology & Immunology, Department of		100	
C-129373-02	Metabolic and surface-exposed determinants of K. pneumoniae bloodstream dissemination		No	\$70,000	\$7,000	\$77,000	\$77,000
<i>4/1/24 to 7/31/24</i>	<i>American Heart Association - National</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Mike, Laura A.		Med Microbiology & Immunology, Department of		100	
N-129820-01	Structure and function of Borna disease virus polymerase		No	\$167,165	\$81,569	\$248,734	\$248,734
<i>8/17/23 to 7/31/24</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	
N-129891-01	Factor H Fc fusions as novel therapeutics for Burkholderia pseudomallei infections		No	\$97,089	\$52,914	\$150,003	\$150,003
<i>8/10/23 to 7/31/25</i>	<i>National Institute of Allergy & Infectious Diseases through Planet Biotechnology Incorporated</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Wooten, Ronald Mark		Med Microbiology & Immunology, Department of		100	
N-129893-01	Control of Klebsiella capsule biosynthesis and attachment (MIRA)		No	\$250,000	\$136,250	\$386,250	\$386,250
<i>9/1/23 to 7/31/24</i>	<i>National Institute of General Medical Sciences</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Mike, Laura A.		Med Microbiology & Immunology, Department of		100	
N-130231-01	Health Sciences Bioresearch Lab		No	\$6,831,000	\$0	\$6,831,000	\$6,831,000
<i>8/1/23 to 7/31/27</i>	<i>National Institute of Standards and Technology</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Huntley, Jason F.		Med Microbiology & Immunology, Department of			
	PI/PD	Root, Lisa Jane		Department of Lab Animal Resources		0	
	Co-PI	Wooten, Ronald Mark		Med Microbiology & Immunology, 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>
Med Microbiology & Immunology, Department of							
N-130397-01	Mechanism of Klebsiella pneumoniae capsule attachment and its role in pathogenesis (Fellowship)		No	\$33,694	\$0	\$33,694	\$33,694
<i>1/1/24 to 7/31/24</i>	<i>American Heart Association - National</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Mike, Laura A.	Med Microbiology & Immunology, Department of			100		
N-600148-01	Diagnostic Test Development for Detection and Monitoring of Cyanotoxins in Human and Veterinary Applications (HABRI)		No	\$105,679	\$8,454	\$114,133	\$11,413
<i>3/1/24 to 6/30/24</i>	<i>Ohio Department of Higher Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kennedy, David Joseph	Medicine, Department of			40		
Co-PI	Haller, Steven T.	Medicine, Department of			40		
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			10		
Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of			10		
Sum of Department (Med Microbiology & Immunology, Dep)						Award Count: 8.10	\$8,156,897
Medicine, Department of							
C-100043-23	University of Toledo Health Science Campus Ryan White Program Parts C and D		No	\$462,406	\$46,240	\$508,646	\$508,646
<i>8/1/23 to 7/31/24</i>	<i>Health Resources & Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Duggan, Joan	Medicine, Department of			100		
C-100389-23	Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program		No	\$117,499	\$11,750	\$129,249	\$129,249
<i>4/1/24 to 3/31/25</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-100389-23-I01	Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program		No	\$340,751	\$47,000	\$387,751	\$387,751
<i>4/1/24 to 3/31/25</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-100389-23-I02	Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program		No	\$9,461	\$946	\$10,407	\$10,407
<i>8/2/24 to 3/31/25</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		

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Medicine, Department of						
C-101303-19	Social Marketing Advertising CTR	No	\$11,250	\$0	\$11,250	\$11,250
1/1/24 to 5/31/24	Centers for Disease Control and Prevention through Lucas County Regional Health District					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Duggan, Joan	Medicine, Department of	100		
	PI/PD	Himich, Katie				
C-124705-10	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	\$2,394	\$766	\$3,160	\$3,160
7/1/23 to 6/30/24	Outcome Sciences, Inc.					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Altork, Nezam	Medicine, Department of	100		
C-126355-05	Myocardial Ischemia and Transfusion (MINT)	No	\$18,182	\$5,818	\$24,000	\$24,000
6/1/20 to 8/31/23	National Institutes of Health through Rutgers University					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Gupta, Rajesh	Medicine, Department of	100		
C-127408-05	Sequencing Familial Lung Cancer	No	\$24,287	\$13,236	\$37,523	\$37,523
1/1/24 to 6/30/25	National Cancer Institute through Baylor College of Medicine					
	<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-127564-04	APPENDIX NN9535-4352 Long-term effects of semaglutide on diabetic retinopathy in subjects with type 2 diabetes (FOCUS), trial phase 3b,	No	\$2,661	\$851	\$3,512	\$3,512
7/1/23 to 3/3/24	Novo Nordisk Inc.					
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Hejeebu, Srini K.	Medicine, Department of	100		
C-127770-05	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	\$10,997	\$5,175	\$16,172	\$16,172
7/1/23 to 6/30/24	CSL Behring LLC					
	<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			

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Medicine, Department of						
C-128337-04	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	\$6,301	\$2,965	\$9,266	\$9,266
7/1/23 to 6/30/24	Tizona Therapeutics, INC.					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Skeel, Roland	Medicine, Department of			100	
C-128395-02	Targeting eIF4A1 in drug-resistant breast cancer stem-like cells	No	\$263,387	\$137,164	\$400,551	\$36,050
8/1/23 to 7/31/24	National Cancer Institute					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Raman, Dayanidhi	Cell & Cancer Biology, Department of			89	
Co-I	Hamouda, Danae M.	Medicine, Department of			3	
Co-I	Khuder, Sadik	Medicine, Department of			3	
Co-I	Stanoszek, Lauren Michele	Medicine, Department of			3	
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of			2	
C-128457-04	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	\$114	\$36	\$150	\$150
7/1/23 to 6/30/24	Horizon Therapeutics USA, Inc.					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of			100	
C-128559-04	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	\$7,184	\$2,299	\$9,483	\$9,483
7/1/23 to 6/30/24	GlaxoSmithKline					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Duggan, Joan	Medicine, 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>
Medicine, Department of							
C-128565-03	Distance Education and Training on Emerging Contaminants and Technologies (DETECT)		No	\$27,962	\$2,237	\$30,199	
<i>9/1/23 to 8/31/24</i>	<i>National Institute of Environmental Health Sciences through Purdue University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Ames, April L.	Department of Population Health			60		
Co-I	Dwyer, Daryl	Environmental Sciences, Department of					
Co-I	Haller, Steven T.	Medicine, Department of					
Co-I	Kennedy, David Joseph	Medicine, Department of					
Co-I	Milz, Sheryl A.	Department of Population Health			20		
Co-I	Saltzman, Barbara	Department of Population Health			20		
C-128784-04	A Phase 1/2a, Dose-Escalation and Dose-Expansion Study of ZX-101A in Patients with Relapsed/Resistant or Refractory Advanced Hematologic Malignancies		No	\$0	\$0	\$0	\$0
<i>7/1/23 to 6/30/24</i>	<i>Hangzhou Zenshine Pharmaceutical Co., Ltd.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Skeel, Roland	Medicine, Department of			100		
C-128826-03	Training in Molecular and Translational Cell Dynamics		No	\$618,000	\$35,082	\$653,082	\$613,897
<i>5/1/24 to 4/30/25</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Osman, Mahasin	Medicine, Department of			93		
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of			5		
Co-PI	Dworkin, Lance	Medicine, Department of			1		
Co-PI	Smith, Robert Erne	Neurosciences, Department of			1		
C-128826-03-I01	Training in Molecular and Translational Cell Dynamics		No	\$18,960	\$1,037	\$19,997	\$18,797
<i>5/1/24 to 4/30/25</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Osman, Mahasin	Medicine, Department of			93		
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of			5		
Co-PI	Dworkin, Lance	Medicine, Department of			1		
Co-PI	Smith, Robert Erne	Neurosciences, Department of			1		
C-128969-03	Evaluation of the ctDNA LUNAR Test in an Average Patient Screening Episode (ECLIPSE)		No	\$4,101	\$1,930	\$6,031	\$6,031
<i>7/1/23 to 6/30/24</i>	<i>Guardant Health Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Ud Din, Shahab	Medicine, 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>
Medicine, Department of							
C-129273-02	Clinical Utility of a Combined Biomarker Approach to Diagnose Lung Cancer		No	\$39,019	\$21,656	\$60,675	\$60,675
<i>9/1/23 to 8/31/24 National Cancer Institute through Vanderbilt University</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Willey, James		Medicine, Department of		100	
C-129307-03	Role of GSK3beta in diabetic kidney disease		No	\$211,200	\$115,104	\$326,304	\$326,304
<i>6/1/24 to 5/31/25 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		95	
	Co-I	Dworkin, Lance		Medicine, Department of		5	
C-129319-03	A Phase 1a/1b Dose Escalation/Expansion Study of TTX-080, an HLA-G Antagonist, as Monotherapy and in Combination with Pembrolizumab or Cetuximab in Patients with Advanced Solid Refractory/Resistant Malignancies		No	\$7,689	\$3,618	\$11,307	\$11,307
<i>7/1/23 to 6/30/24 Trishula Therapeutics, Inc. through Labcorp Drug Development Inc.</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Vijendra, Divya		Medicine, Department of		100	
C-129328-02	A Phase 2, Double-blind, Randomized, Placebo controlled Study to Evaluate the Effects of Sotatercept versus Placebo for the Treatment of Combined Postcapillary and Precapillary Pulmonary Hypertension (Cpc-PH) due to Heart Failure with Preserved Ejection Fraction (HFpEF) (“Study”)		No	\$15,144	\$4,846	\$19,990	\$19,990
<i>7/1/23 to 6/30/24 Accelaron Pharma Inc. through Pharmaceutical Product Development, LLC</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Khouri, Samer J.		Medicine, Department of		100	
C-129417-02	A Phase 2, Multicenter, Randomized, Double-Blind, Placebo Controlled, Parallel Group Study to Evaluate the Clinical Efficacy and Safety of VTX002 in Subjects with Moderately to Severely Active Ulcerative Colitis		No	\$3,788	\$1,212	\$5,000	\$5,000
<i>7/1/23 to 6/30/24 Oppilan Pharma Limited, through PSI</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Hart, Benjamin R.		Medicine, Department of		100	
C-129420-03	STI Prevention: Syphilis		No	\$50,000	\$0	\$50,000	\$50,000
<i>2/1/24 to 1/31/25 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	

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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-129445-03	(Peak) A Phase 3 Randomized, Open-Label, Multicenter Clinical Study Of CGT9486+Sunitinib vs Sunitinib in Subjects with Locally Advanced, Unresectable or Metastatic Gastrointestinal Stromal Tumors			No	\$6,290	\$2,690	\$8,980	\$8,980
7/1/23 to 6/30/24	<i>Cogent Biosciences Inc through Medpace, Inc</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Vijendra, Divya	Medicine, Department of			100		
C-129461-02	A Phase II, Randomized, Double-Blind, Placebo-Controlled Dose-Ranging, Parallel and Adaptive Study to Evaluate the Efficacy and Safety of Enpatoran in Systemic Lupus Erythematosus and in Cutaneous Lupus Erythematosus (Subacute Cutaneous Lupus Erythematosus and/or Discoid Lupus Erythematosus)			No	\$30,949	\$9,904	\$40,853	\$40,853
7/1/23 to 6/30/24	<i>EMD Sorono through IQVIA Biotech</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Altork, Nezam	Medicine, Department of			100		
C-129463-03	A Double Blind, Randomized, Placebo-Controlled Study to Evaluate the Efficacy and Safety of PRA023 in Subjects with Systemic Sclerosis Associated with Interstitial Lung Disease (SSc-ILD)			No	\$3,400	\$1,600	\$5,000	\$5,000
7/1/23 to 6/30/24	<i>Prometheus Biosciences, Inc. through Pharmaceutical Product Development, LLC</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
C-129659-02	Phase 2a, Randomized, Double-blind, Placebo-controlled Trial of PRV-3279 EVALUATION In Lupus (PREVAIL-2)			No	\$11,884	\$5,592	\$17,476	\$17,476
7/1/23 to 6/30/24	<i>Provention Bio, Inc. through Pharmaceutical Product Development, LLC</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of			100		
C-129693-02	A randomized, controlled, multi-center, open-label trial comparing a hospital, post-discharge care pathway involving aggressive LDL-C management that includes inclisiran with usual care versus usual care alone in patients with a recent coronary syndrome			No	\$3,830	\$1,225	\$5,055	\$5,055
7/1/23 to 6/30/24	<i>Novartis</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Gupta, Rajesh	Medicine, Department of			100		
C-129924-02	Sample Collection for Clinical Performance Evaluation of Elecsys Anti-TPO II Study (CIM RD005629)			No	\$9,318	\$2,982	\$12,300	\$12,300
7/1/23 to 6/30/24	<i>Roche Laboratories, Inc. through ICON Clinical Research, Inc.</i>							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Jun, John Y.	Medicine, Department of			50		
	Co-PI	Imam, Shahnawaz	Medicine, Department of			50		

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Medicine, Department of							
C-129956-02	Appendix NN9535-4801: Efficacy and safety of once-weekly semaglutide s.c. 2.0 mg as add-on to dose-reduced insulin glargine vs titrated insulin glargine in participants with type 2 diabetes and overweight		No	\$39,128	\$12,521	\$51,649	\$51,649
<i>7/1/23 to 6/30/24</i>	<i>Novo Nordisk Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Hejeebu, Srini K.	Medicine, Department of				100	
N-129557-01-A1	Engineering Exosome for Pancreatic Cancer Targeting Therapies		No	\$322,355	\$175,683	\$498,038	
<i>9/21/23 to 8/31/24</i>	<i>National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Liu, Shi-He	Cell & Cancer Biology, Department of				95	
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of				5	
Co-I	Liu, JingYuan	Medicine, Department of					
Co-I	Stanoszek, Lauren Michele	Pathology, Department of					
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of					
N-129583-01-A1	Targeting FASN to eliminate metastatic breast cancer in the brain		No	\$116,875	\$63,697	\$180,572	\$9,029
<i>7/8/23 to 6/30/24</i>	<i>National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of				90	
Co-I	Liu, JingYuan	Medicine, Department of				5	
Co-I	Tang, Yuan	Bioengineering, Department of				5	
N-129587-01	A PHASE Ib, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED MULTICENTER STUDY TO EVALUATE THE SAFETY, TOLERABILITY, AND PHARMACOKINETICS OF MULTIPLE-ASCENDING DOSES OF RO7303509 IN PATIENTS WITH SYSTEMIC SCLEROSIS		No	\$13,482	\$6,345	\$19,827	\$19,827
<i>2/2/23 to 6/30/24</i>	<i>Genentech, Inc. through Pharmaceutical Product Development, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of				100	
N-129797-01	Clinical and Translational Science Collaborative of Northern Ohio, Catalyzing Linkagesto Equity in Health (CLE Health)		No	\$48,978	\$27,183	\$76,161	\$22,848
<i>8/2/23 to 6/30/24</i>	<i>National Institutes of Health through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Zhang, Jian-Ting	Cell & Cancer Biology, Department of				30	
Co-I	Dworkin, Lance	Medicine, Department of				30	
Co-I	Pappada, Scott Michael	Anesthesiology, Department of				20	
Co-I	Shah, Zahoor	Medicinal and Biological Chemistry, Department of				20	

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Medicine, Department of						
N-129928-01	Lake Erie Center for Fresh Waters and Human Health (Project 4)	No	\$138,395	\$76,532	\$214,927	\$214,927
<i>5/31/24 to 2/28/25 National Institute of Environmental Health Sciences through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Haller, Steven T.	Medicine, Department of	50		
	Co-PI	Kennedy, David Joseph	Medicine, Department of	50		
	Co-I	Smith, Robert Erne				
	Co-I	Willey, James	Medicine, Department of			
	Statistician	Khuder, Sadik	Medicine, Department of			
N-129946-01	Lake Erie Center for Fresh Waters and Human Health (Administrative Core)	No	\$10,700	\$5,938	\$16,638	\$16,638
<i>5/31/24 to 2/28/25 National Institute of Environmental Health Sciences through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kennedy, David Joseph	Medicine, Department of	50		
	Co-I	Haller, Steven T.	Medicine, Department of	50		
N-129961-01	Great Lakes Center for Freshwaters and Human Health: Community Engagement Core	No	\$4,967	\$2,756	\$7,723	\$7,723
<i>5/31/24 to 2/28/25 National Institute of Environmental Health Sciences through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kennedy, David Joseph	Medicine, Department of	50		
	Co-PI	Haller, Steven T.	Medicine, Department of	50		
N-129977-01	CORAL Samples Project	No	\$14,126	\$7,699	\$21,825	\$21,825
<i>11/1/23 to 3/31/25 Stanford University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Haller, Steven T.	Medicine, Department of	100		
N-130035-01	A Phase 1b Randomized, Double-Blind, Placebo-Controlled, Multiple-Ascending Dose Study to Evaluate the Safety, Pharmacokinetics, and Pharmacodynamics of ACE-1334 Plus Standard of Care in Participants with Systemic Sclerosis (Protocol A1334-02)	No	\$10,965	\$5,160	\$16,125	\$16,125
<i>6/15/23 to 6/30/24 Acceleron Pharma Inc. through Pharmaceutical Product Development, LLC</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Kahaleh, M Bashar	Medicine, Department of	100		
N-130276-01	A Phase 3, Randomized, Double-blind, Placebo-controlled, Event-driven Study to Demonstrate the Efficacy and Safety of Milvexian, an Oral Factor Xia Inhibitor, After a Recent Acute Coronary Syndrome	No	\$10,625	\$5,000	\$15,625	\$15,625
<i>1/16/24 to 6/30/24 Janssen Research & Development, LLC through IQVIA RDS Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Moukarbel, George Victor	Medicine, 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>
Medicine, Department of							
N-130286-01	Age remodels kidney-adrenal-heart interorgan communication		No	\$280,000	\$156,566	\$436,566	\$436,566
<i>5/15/24 to 1/31/25 National Institute on Aging through Brown University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Gong, Rujun	Medicine, Department of	100				
Co-I	Dworkin, Lance	Medicine, Department of					
N-130302-01	UToledo COMLS Regional Quality Improvement Hub (Federal)		No	\$370,257	\$37,026	\$407,283	\$203,642
<i>7/1/23 to 6/30/24 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	50				
Co-PI	Speer, Linda Marie	Family Medicine, Department of	50				
N-130405-01	UToledo COMLS Regional Quality Improvement Hub (State)		No	\$141,228	\$14,123	\$155,351	\$77,676
<i>7/1/23 to 6/30/24 Ohio Department of Medicaid through Ohio State University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Dworkin, Lance	Medicine, Department of	50				
Co-I	Speer, Linda Marie	Family Medicine, Department of	50				
N-130630-01	Pancreatic islets rescue in Type 1 Diabetes using immunomodulators		No	\$40,000	\$0	\$40,000	\$40,000
<i>12/1/23 to 11/30/25 National Institute of Diabetes, Digestive & Kidney Diseases through Michigan Diabetes Research Center</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>				
PI/PD	Imam, Shahnawaz	Medicine, Department of	100				
N-600117-01	Aging as a Primary Risk Factor for Increased Susceptibility to Aerosolized Harmful Algal Bloom Toxins and Toxic Microplastics (HABRI)		No	\$126,545	\$9,724	\$136,269	\$115,828
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education 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	75				
Co-PI	Kennedy, David Joseph	Medicine, Department of	5				
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of	5				
Co-I	Koch, Lauren Gerard	Physiology & Pharmacology, Department of	5				
Co-I	Stanoszek, Lauren Michele	Pathology, Department of	5				
Co-I	Willey, James	Medicine, Department of	5				

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								
N-600118-01	HABRI: Characterization and Screening of Aerosolized Anatoxin-a, Guanitoxin, Cylindrospermopsins, and Saxitoxins in Vulnerable Populations		No	\$98,926	\$7,914	\$106,840	\$101,498	
<i>3/1/24 to 6/30/24</i>	<i>Ohio Department of Higher Education 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				80		
Co-PI	Kennedy, David Joseph	Medicine, Department of				15		
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of				5		
N-600148-01	Diagnostic Test Development for Detection and Monitoring of Cyanotoxins in Human and Veterinary Applications (HABRI)		No	\$105,679	\$8,454	\$114,133	\$91,307	
<i>3/1/24 to 6/30/24</i>	<i>Ohio Department of Higher Education through Ohio State University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Kennedy, David Joseph	Medicine, Department of				40		
Co-PI	Haller, Steven T.	Medicine, Department of				40		
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of				10		
Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of				10		
R-127064-06	Cardi-OH		No	\$247,644	\$24,764	\$272,408	\$272,408	
<i>7/1/23 to 6/30/24</i>	<i>U.S. Department of Health and Human Services through Case Western Reserve University/Case Medical Center</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Dworkin, Lance	Medicine, Department of				100		
S-130302-02-S1	UToledo COMLS Regional Quality Improvement Hub (Federal)		No	\$46,971	\$4,697	\$51,668	\$25,834	
<i>7/1/24 to 6/30/25</i>	<i>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				50		
Co-PI	Speer, Linda Marie	Family Medicine, Department of				50		
S-130405-02-S1	UToledo COMLS Regional Quality Improvement Hub (State)		No	\$21,211	\$2,121	\$23,332	\$11,666	
<i>7/1/24 to 6/30/25</i>	<i>Ohio Department of Medicaid through Ohio State University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Dworkin, Lance	Medicine, Department of				50		
Co-I	Speer, Linda Marie	Family Medicine, Department of				50		
Sum of Department (Medicine, Department of)							Award Count: 44.92	\$4,160,924

Neurology, 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>
Neurology, Department of								
C-125470-08	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
7/1/23 to 6/30/24	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					
C-127854-04	A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy, Safety, and Tolerability of Valbenazine for the Treatment of Chorea Associated with Huntington's Disease			No	\$23,348	\$7,472	\$30,820	\$30,820
7/1/23 to 6/30/24	Neurocrine Bioisciences, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
C-128029-05	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	\$1,861	\$595	\$2,456	\$2,456
7/1/23 to 6/30/24	Cerevel Therapeutics, LLC							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Ali, Imran Izzat	Neurology, Department of			100		
C-128165-04	A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group, 27-Week Study of the Efficacy, Safety, and Tolerability of Two Fixed Doses of Tavapadon in Early Parkinson's Disease to be conducted at Institution to involve patients participating in the Trial			No	\$55,359	\$17,715	\$73,074	\$73,074
7/1/23 to 6/30/24	Cerevel Therapeutics, LLC							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
C-128446-04	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	\$16,311	\$5,219	\$21,530	\$21,530
7/1/23 to 6/30/24	Cerevel Therapeutics, LLC							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
C-128813-03	58-Week Open-label Trial of Tavapadon in Parkinson's Disease (TEMPO-4 Trial)			No	\$60,749	\$19,439	\$80,188	\$80,188
7/1/23 to 6/30/29	Cerevel Therapeutics, LLC							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		

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Neurology, Department of							
C-129003-03	A 57-Week, Multicenter, Active-treatment, Open-label Extension Trial of CVL-865 as Adjunctive Therapy in Adults with Drug-Resistant Focal Onset Seizures		No	\$20,262	\$6,484	\$26,746	\$26,746
<i>7/1/23 to 6/30/24</i>	<i>Cerevel Therapeutics, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Ali, Imran Izzat	Neurology, Department of				100	
C-129725-02	A double-blind, placebo-controlled, randomized, 18-month phase 2A study to evaluate the efficacy, safety, tolerability, and pharmacokinetics of oral UCB0599 in study participants with early Parkinson's disease (PD0053)		No	\$3,412	\$1,606	\$5,018	\$5,018
<i>7/1/23 to 6/30/24</i>	<i>UCB through Parexel International Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Subramanian, Thyagarajan	Neurology, Department of				100	
C-129984-02	A Multi-center, Noninterventional Study Evaluating Variability, Reliability, and Compliance for Parkinson's Disease Diary - BRT-DA01-NIS-001		No	\$5,064	\$2,383	\$7,447	\$7,447
<i>7/1/23 to 6/30/24</i>	<i>BlueRock Therapeutics through Parexel</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Subramanian, Thyagarajan	Neurology, Department of				100	
N-129690-01	A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Evaluate the Efficacy, Safety, and Tolerability of Soticlestat as Adjunctive Therapy in Pediatric and Adult Subjects With Dravet Syndrome (DS)		No	\$12,273	\$3,927	\$16,200	\$16,200
<i>11/29/22 to 6/30/24</i>	<i>Takeda Development Center Americas, Inc. through Pharmaceutical Product Development, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Ali, Imran Izzat	Neurology, Department of				50	
Co-I	Mahfooz, Naeem	Neurology, Department of				50	
N-129995-01	A Randomized, Placebo-Controlled, Double-Blind Study to Evaluate the Effect of SAGE-718 on Cognitive Function in Participants with Huntington's Disease - Protocol No. 718-CIH-201		No	\$145,461	\$46,548	\$192,009	\$192,009
<i>12/7/22 to 6/30/24</i>	<i>Sage Therapeutics through Parexel International Corporation</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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Neurology, Department of							
N-130062-01	A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Effects of SAGE-718 in Parkinson's Disease Cognitive Impairment (Protocol 718-CNP-202)		No	\$34,877	\$11,160	\$46,037	\$46,037
<i>1/6/23 to 6/30/24</i>	<i>Sage Therapeutics through Parexel International Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of			100		
N-130183-01	A Phase 3, Prospective, Open-Label, Multisite, Extension of Phase 3 Studies To Assess the Long-Term Safety and Tolerability of Soticlestat as Adjunctive Therapy in Subjects With Dravet Syndrome or Lennox-Gastaut Syndrome (ENDYMION 2), Open-Label Extension Study of Soticlestat in Dravet and Lennox-		No	\$0	\$0	\$0	\$0
<i>4/26/23 to 6/30/25</i>	<i>Takeda Development Center Americas, Inc. through Pharmaceutical Product Development, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Ali, Imran Izzat	Neurology, Department of			50		
Co-I	Mahfooz, Naeem	Neurology, Department of			50		
N-130436-01	A Phase 3, Multicenter, Open-Label Safety Study to Evaluate the Long-Term Safety and Tolerability of SAGE-718 in Participants with Huntington's Disease		No	\$51,555	\$16,497	\$68,052	\$68,052
<i>5/18/23 to 6/30/24</i>	<i>Sage Therapeutics through Parexel International Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of			100		
N-600465-01	Evaluation of Mental Rotation Test (MRT) modified for functional MRI assessment in early onset Parkinson's disease patients.		No	\$3,000	\$0	\$3,000	\$3,000
<i>5/20/24 to 12/31/24</i>	<i>American Academy of Neurology Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Subramanian, Thyagarajan	Neurology, Department of			100		
Sum of Department (Neurology, Department of)						Award Count: 15.00	\$572,577
Neurosciences, Department of							
C-127388-05	Translational assessment of brain bioenergetic function in schizophrenia		No	\$89,480	\$48,767	\$138,247	\$138,247
<i>11/1/23 to 10/31/25</i>	<i>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	Smith, Robert Erne	Neurosciences, Department of			100		

Medicine and Life Sciences, College of

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Neurosciences, Department of						
C-128712-02	Cross platform analysis of drug targets and toxicity of bath salts	No	\$360,175	\$196,295	\$556,470	\$83,471
<i>7/1/23 to 6/30/24 National Institute on Drug Abuse</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Schiefer, Isaac T.	Center for Drug Design and Development	55			
Co-I	Hall, Frank	Pharmacology & Experimental Therapeutics, Department of	15			
Co-I	Smith, Robert Erne	Neurosciences, Department of	15			
Co-I	Williams, Frederick E.	Pharmacology & Experimental Therapeutics, Department of	15			
C-128826-03	Training in Molecular and Translational Cell Dynamics	No	\$618,000	\$35,082	\$653,082	\$6,531
<i>5/1/24 to 4/30/25 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Osman, Mahasin	Medicine, Department of	93			
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of	5			
Co-PI	Dworkin, Lance	Medicine, Department of	1			
Co-PI	Smith, Robert Erne	Neurosciences, Department of	1			
C-128826-03-I01	Training in Molecular and Translational Cell Dynamics	No	\$18,960	\$1,037	\$19,997	\$200
<i>5/1/24 to 4/30/25 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Osman, Mahasin	Medicine, Department of	93			
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of	5			
Co-PI	Dworkin, Lance	Medicine, Department of	1			
Co-PI	Smith, Robert Erne	Neurosciences, Department of	1			
C-129260-02	AMPK localization, expression, and activity in Alzheimer's Disease (N. Henkel Fellowship)	No	\$41,511	\$0	\$41,511	\$41,511
<i>9/1/23 to 8/31/24 National Institute on Aging</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Smith, Robert Erne	Neurosciences, Department of	100			
Co-I	Hill, Jennifer E.W.	Physiology & Pharmacology, Department of				
C-129421-09	Pre- and postsynaptic pathways underlying the stress response in the adrenal medulla	No	\$224,997	\$108,143	\$333,140	\$333,140
<i>3/1/24 to 2/28/25 National Institute of Neurological Disorders and Stroke</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Anantharam, Arun	Neurosciences, Department of	100			
Co-I	Giovannucci, David	Neurosciences, Department of				

Medicine and Life Sciences, College of

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			Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Neurosciences, Department of							
C-129421-09-I01	Pre- and postsynaptic pathways underlying the stress response in the adrenal medulla		No	\$17,499	\$8,412	\$25,911	\$25,911
4/25/24 to 2/28/25	National Institute of Neurological Disorders and Stroke						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Anantharam, Arun	Neurosciences, Department of			100		
Co-I	Giovanucci, David	Neurosciences, Department of					
N-130514-01	State of Ohio Adversity and Resilience (SOAR) Study		No	\$452,248	\$45,225	\$497,473	\$99,495
2/1/24 to 6/30/25	Ohio Department of Mental Health and Addiction Services through Ohio State University						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of			40		
Co-I	Andari, Elissar	Psychiatry, Department of			20		
Co-I	Smith, Robert Erne	Psychiatry, Department of			20		
Co-I	Xie, Hong	Neurosciences, Department of			20		
N-600226-01	In vivo Calcium imaging in awake, behaving mice using Inscopix Miniscope		No	\$8,653	\$2,596	\$11,249	\$11,249
5/10/24 to 5/9/25	Inscopix, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Goswamee, Priyodarshan	Neurosciences, Department of			100		
Sum of Department (Neurosciences, Department of)					Award Count: 5.37		\$739,754
Orthopaedic Surgery, Department of							
C-129181-04	PPARG regulates osteocyte bioenergetics and function during aging (R01)		No	\$553,822	\$128,382	\$682,204	\$682,204
6/1/24 to 5/31/25	National Institute on Aging						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of			100		
Sum of Department (Orthopaedic Surgery, Department of)					Award Count: 1.00		\$682,204
Orthopedics							
N-130566-01	Tuition/Travel Grant		No	\$11,250	\$0	\$11,250	\$11,250
10/10/23 to 5/18/24	Johnson & Johnson Medical Device Business Services Inc						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kovacs, Kelly Jo	Orthopedics			100		
Sum of Department (Orthopedics)					Award Count: 1.00		\$11,250
Pathology, Department of							

Medicine and Life Sciences, College of

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Pathology, Department of							
N-129557-01-A1	Engineering Exosome for Pancreatic Cancer Targeting Therapies		No	\$322,355	\$175,683	\$498,038	
<i>9/21/23 to 8/31/24</i>	<i>National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Liu, Shi-He	Cell & Cancer Biology, Department of			95		
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of			5		
Co-I	Liu, JingYuan	Medicine, Department of					
Co-I	Stanoszek, Lauren Michele	Pathology, Department of					
Co-I	Zhang, Jian-Ting	Cell & Cancer Biology, Department of					
N-600117-01	Aging as a Primary Risk Factor for Increased Susceptibility to Aerosolized Harmful Algal Bloom Toxins and Toxic Microplastics (HABRI)		No	\$126,545	\$9,724	\$136,269	\$6,813
<i>3/1/24 to 6/30/24</i>	<i>Ohio Department of Higher Education 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			75		
Co-PI	Kennedy, David Joseph	Medicine, Department of			5		
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5		
Co-I	Koch, Lauren Gerard	Physiology & Pharmacology, Department of			5		
Co-I	Stanoszek, Lauren Michele	Pathology, Department of			5		
Co-I	Willey, James	Medicine, Department of			5		
Sum of Department (Pathology, Department of)						Award Count: 0.05	\$6,813
Pediatrics, Department of							
C-130191-02	Reach Out and Read		No	\$17,250	\$0	\$17,250	\$17,250
<i>1/1/24 to 12/31/24</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	\$17,250
Physiology & Pharmacology, Department of							
C-127801-03	Targeting innate immunity and gut microbiota to treat iron-induced adverse effects in Inflammatory Bowel Disease		No	\$90,000	\$0	\$90,000	\$90,000
<i>7/1/23 to 6/30/24</i>	<i>Crohn's and Colitis Foundation of America</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kumar, Matam Vijay	Physiology & Pharmacology, Department of			100		
C-128393-03	Astrocyte insulin resistance-induced neuroendocrine defects in pubertal delay and hypogonadotropic hypogonadism		No	\$310,565	\$169,258	\$479,823	\$479,823
<i>2/1/24 to 1/31/25</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		

Medicine and Life Sciences, College of

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			Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physiology & Pharmacology, Department of							
C-128393-03-I01	Astrocyte insulin resistance-induced neuroendocrine defects in pubertal delay and hypogonadotropic hypogonadism		No	\$31,056	\$16,926	\$47,982	\$47,982
5/2/24 to 1/31/25	National Institute of Child Health & Human Development						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Hill, Jennifer E.W.		Physiology & Pharmacology, Department of		100	
C-128671-04	Neural mechanisms of host-microbiota interaction in hypertension: a potential for bio-electronic medicine		No	\$363,785	\$76,163	\$439,948	\$439,948
6/1/24 to 9/3/24	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	
C-128815-04	Campus Wastewater Monitoring of University of Toledo Campus		No	\$303,914	\$75,979	\$379,893	\$303,914
7/1/23 to 6/30/24	Centers for Disease Control and Prevention through Ohio Department of Health						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Chakravarti, Ritu		Physiology & Pharmacology, Department of		80	
	Co-I	Chattopadhyay, Saurabh		Med Microbiology & Immunology, Department of			
	Co-I	Kang, Dae Wook		Civil & Environmental Engineering, Department of		20	
	Co-I	Taylor, Roger Travis		Med Microbiology & Immunology, Department of			
C-128865-03	Targeting Neutrophil Extracellular Traps in Hypertension		No	\$70,000	\$7,000	\$77,000	\$77,000
7/1/23 to 6/30/25	American Heart Association - National						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Kumar, Matam Vijay		Physiology & Pharmacology, Department of		100	
C-128872-03	The role of gut microbiota in antihypertensive drug resistance and resistant hypertension		No	\$70,000	\$7,000	\$77,000	\$77,000
7/1/23 to 6/30/24	American Heart Association - National						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Yang, Tao		Physiology & Pharmacology, Department of		100	
C-129236-03	Determining the context specificity of metformin treatment on mitochondria and healthspan		No	\$28,007	\$15,515	\$43,522	\$43,522
1/1/24 to 12/31/24	National Institute on Aging through Oklahoma Medical Research Foundation						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Koch, Lauren Gerard		Physiology & Pharmacology, Department of		100	
C-129260-02	AMPK localization, expression, and activity in Alzheimer's Disease (N. Henkel Fellowship)		No	\$41,511	\$0	\$41,511	
9/1/23 to 8/31/24	National Institute on Aging						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Smith, Robert Erne		Neurosciences, Department of		100	
	Co-I	Hill, Jennifer E.W.		Physiology & Pharmacology, Department of			

Medicine and Life Sciences, College of

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			Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physiology & Pharmacology, Department of							
C-129428-02	Role of neutrophil extracellular traps (NETs) in Inflammatory bowel disease		No	\$271,661	\$141,261	\$412,922	\$412,922
<i>2/1/24 to 1/31/25 National Institute of Diabetes, Digestive & Kidney Diseases</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Kumar, Matam Vijay		Physiology & Pharmacology, Department of		100	
C-129582-02	Endothelial Autophagy in Cardiac Remodeling		No	\$90,908	\$9,091	\$99,999	\$99,999
<i>7/1/23 to 6/30/24 American Heart Association - National</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Thodeti, Charles K.		Physiology & Pharmacology, Department of		70	
	Co-I	Paruchuri, Sailaja M.		Physiology & Pharmacology, Department of		30	
C-129966-02	YAP1, neointima formation, and blood pressure regulation		No	\$145,049	\$79,052	\$224,101	\$224,101
<i>12/1/23 to 11/30/24 National Heart, Lung & Blood Institute</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Osman, Islam Abdelfattah Mo		Physiology & Pharmacology, Department of		100	
C-129966-02-I01	YAP1, neointima formation, and blood pressure regulation		No	\$16,116	\$8,783	\$24,899	\$24,899
<i>6/26/24 to 11/30/24 National Heart, Lung & Blood Institute</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Osman, Islam Abdelfattah Mo		Physiology & Pharmacology, Department of		100	
N-129895-01-A1	Regulation of Mitochondrial by Mechanosensitive Ion Channel TRPV4 in Endothelial Cells		No	\$33,694	\$0	\$33,694	\$33,694
<i>1/1/24 to 12/31/24 American Heart Association - National</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Thodeti, Charles K.		Physiology & Pharmacology, Department of		100	
N-130423-01	Novel gut microbiota-mediated mechanisms regulating blood pressure		No	\$33,694	\$0	\$33,694	\$33,694
<i>1/1/24 to 12/31/24 American Heart Association - National</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Joe, Bina		Physiology & Pharmacology, Department of		100	
	Co-I	Yang, Tao		Physiology & Pharmacology, Department of			
N-130442-01	Targeting macronutrient and gut microbiota to treat cholestatic liver injury (2023 ALF Liver Scholar Award)		No	\$75,000	\$0	\$75,000	\$75,000
<i>12/31/23 to 12/30/24 American Liver Foundation</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Yeoh, Beng San		Physiology & Pharmacology, Department of			
	Co-I	Kumar, Matam Vijay		Physiology & Pharmacology, 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>	
Physiology & Pharmacology, Department of								
N-130492-01	Determining role of 14-3-3zeta in IL-17A signaling		No	\$588,506	\$201,513	\$790,019	\$790,019	
<i>6/10/24 to 4/30/25 National Institute of Allergy & Infectious Diseases</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Chakravarti, Ritu	Physiology & Pharmacology, Department of			100			
N-600117-01	Aging as a Primary Risk Factor for Increased Susceptibility to Aerosolized Harmful Algal Bloom Toxins and Toxic Microplastics (HABRI)		No	\$126,545	\$9,724	\$136,269	\$6,813	
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education 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			75			
Co-PI	Kennedy, David Joseph	Medicine, Department of			5			
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5			
Co-I	Koch, Lauren Gerard	Physiology & Pharmacology, Department of			5			
Co-I	Stanoszek, Lauren Michele	Pathology, Department of			5			
Co-I	Willey, James	Medicine, Department of			5			
um of Department (Physiology & Pharmacology, Departme							Award Count: 15.85	\$3,260,331
Psychiatry, Department of								
C-010532-29	Adult Psychiatry Residency and Training Program		No	\$38,095	\$1,905	\$40,000	\$40,000	
<i>7/1/23 to 6/30/24 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-101317-19	Child and Adolescent Psychiatry Residency and Training Program		No	\$28,571	\$1,429	\$30,000	\$30,000	
<i>7/1/23 to 6/30/24 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			
C-129006-03	Engaging Fathers in Cross-Cutting Violence Prevention: A Dual Generation Evaluation of the ACT Raising Safe Kids Program to Prevent Multiple Forms of Violence		No	\$11,122	\$6,061	\$17,183	\$17,183	
<i>9/30/23 to 9/29/24 Centers for Disease Control and Prevention through University of Georgia at Athens</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Knox, Michele	Psychiatry, 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>
Psychiatry, Department of							
N-130169-01	Community Project Funding/Congressionally Directed Spending (CPF/CDS)		No	\$1,000,000	\$0	\$1,000,000	\$1,000,000
<i>9/30/23 to 9/29/26</i>	<i>U.S. Department of Health and Human Services</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of				100	
N-130514-01	State of Ohio Adversity and Resilience (SOAR) Study		No	\$452,248	\$45,225	\$497,473	\$397,978
<i>2/1/24 to 6/30/25</i>	<i>Ohio Department of Mental Health and Addiction Services through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of				40	
Co-I	Andari, Elissar	Psychiatry, Department of				20	
Co-I	Smith, Robert Erne	Psychiatry, Department of				20	
Co-I	Xie, Hong	Neurosciences, Department of				20	
Sum of Department (Psychiatry, Department of)						Award Count: 4.80	\$1,485,161
Surgery, Department of							
C-128388-04	A Phase II Open-label Study Investigating the Efficacy, Safety and Pharmacokinetic Properties of OKN-007 Combined with Temozolomide in Patients with Recurrent Glioblastoma		No	\$1,768	\$832	\$2,600	\$2,600
<i>7/1/23 to 6/30/24</i>	<i>Oblato Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schroeder, Jason Lee	Surgery, Department of				100	
Sum of Department (Surgery, Department of)						Award Count: 1.00	\$2,600
Urology, Department of							
C-128140-05	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	\$0	\$0	\$0	\$0
<i>7/1/23 to 6/30/24</i>	<i>QED Clinical Research, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Petros, Firas G.	Urology, Department of				100	
C-128239-05	The PROspira Kidney Transplant ACTIVE Rejection Detection Registry (PROACTIVE) Study (Investigator Initiated)		No	\$182,219	\$58,310	\$240,529	\$240,529
<i>7/1/23 to 6/30/24</i>	<i>Natera Inc</i>						
<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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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Urology, Department of						
C-128649-04	A Phase 3 Study of CG0070 in Patients with Non-Muscular Invasive Bladder Cancer (NMIBC) Unresponsive to Bacillus-Calmette-Guerin (BCG)	No	\$15,340	\$4,909	\$20,249	\$20,249
<i>7/1/23 to 6/30/29 CG Oncology, Inc.</i>						
	<u>Role</u> PI/PD	<u>Name</u> Petros, Firas G.	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
C-129990-02	Prospective Assessment of Rejection in Kidney Transplant (PARK) - NEPHRO-002	No	\$0	\$0	\$0	\$0
<i>7/1/23 to 6/30/24 NephroSant Inc</i>						
	<u>Role</u> PI/PD Co-I	<u>Name</u> Ekwenna, Obi Ibrahim, Dalia Y.	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
C-129996-02	A Multi-Center, Prospective, Observational Study of Patients Being Treated with ORGOVYX® - Protocol No MVT-601-058	No	\$6,196	\$1,982	\$8,178	\$8,178
<i>7/1/23 to 6/30/24 Myovant Sciences GMBH through United BioSource Corporation</i>						
	<u>Role</u> PI/PD	<u>Name</u> Petros, Firas G.	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
N-130649-01	A Phase 3, Randomized Study of Cretostimogene Grenadenorepvec versus Observation for the Treatment of Intermediate Risk Non-Muscle Invasive Bladder Cancer (IR-NMIBC) Following Transurethral Resection of Bladder Tumor (TURBT)	No				
<i>1/16/24 to 6/30/24 CG Oncology, Inc. through Parexel</i>						
	<u>Role</u> PI/PD	<u>Name</u> Petros, Firas G.	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
N-130659-01	A PhAse 1b/2, Dose expansion, open-label study to eValuate sAfety and anti-tumor activity, of iNtravesiCal instillation of TARA-002 in adults with high-gradE non-muscle invasive blaDder cancer	No	\$0	\$0	\$0	\$0
<i>1/22/24 to 6/30/24 Protara Therapeutics, Inc. through Syneos Health</i>						
	<u>Role</u> PI/PD	<u>Name</u> Petros, Firas G.	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
R-127516-06	7/14 APOL1 Long-term Kidney Transplantation Outcomes Network (APOLLO) Clinical Center	No	\$6,225	\$3,393	\$9,618	\$9,618
<i>9/1/23 to 5/31/24 National Institute of Diabetes, Digestive & Kidney Diseases through Cleveland Clinic Foundation</i>						
	<u>Role</u> PI/PD	<u>Name</u> Ekwenna, Obi	<u>Department</u> Urology, Department of	<u>% Credit</u> 100		
Sum of Department (Urology, Department of) Award Count: 8.00						\$278,574

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Biological Sciences, Department of						
C-128826-03	Training in Molecular and Translational Cell Dynamics	No	\$618,000	\$35,082	\$653,082	\$32,654
5/1/24 to 4/30/25	National Institute of General Medical Sciences					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Osman, Mahasin	Medicine, Department of		93		
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of		5		
Co-PI	Dworkin, Lance	Medicine, Department of		1		
Co-PI	Smith, Robert Erne	Neurosciences, Department of		1		
C-128826-03-I01	Training in Molecular and Translational Cell Dynamics	No	\$18,960	\$1,037	\$19,997	\$1,000
5/1/24 to 4/30/25	National Institute of General Medical Sciences					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Osman, Mahasin	Medicine, Department of		93		
Co-PI	Avidor-Reiss, Tomer	Biological Sciences, Department of		5		
Co-PI	Dworkin, Lance	Medicine, Department of		1		
Co-PI	Smith, Robert Erne	Neurosciences, Department of		1		
C-128836-03	The mechanism of cell size regulation by polycystins	No	\$212,784	\$64,834	\$277,618	\$277,618
4/1/24 to 3/31/25	National Institute of General Medical Sciences					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chen, Qian	Biological Sciences, Department of		100		
C-128836-03-I01	The mechanism of cell size regulation by polycystins	No	\$23,643	\$7,204	\$30,847	\$30,847
6/21/24 to 3/31/25	National Institute of General Medical Sciences					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chen, Qian	Biological Sciences, Department of		100		
C-129148-02	CAREER: The regulation of cytokinesis by calcium	No	\$95,082	\$46,536	\$141,618	\$141,618
1/1/24 to 12/31/24	National Science Foundation					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chen, Qian	Biological Sciences, Department of		100		
C-129201-03	NACA: Molecular and cellular analysis of the effects of silicon on stress tolerance in crop plants	No	\$86,831	\$8,683	\$95,514	\$95,514
9/1/23 to 8/31/24	U.S. Department of Agriculture					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Leisner, Scott M.	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							
C-129355-02	Regulation of Cell Cycle Progression by the Nuclear Envelope		No	\$8,711	\$4,399	\$13,110	\$13,110
<i>4/1/24 to 3/31/25</i>	<i>National Institute of General Medical Sciences through North Carolina State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			100		
N-129535-01	PFI-TT: A new test for male fertility based on sperm neck structures		No	\$166,113	\$83,887	\$250,000	\$200,000
<i>8/1/23 to 7/31/26</i>	<i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Avidor-Reiss, Tomer	Biological Sciences, Department of			80		
Co-PI	Ray, Aniruddha	Physics and Astronomy, Department of			20		
Stdnt Schol	Himel, Antardip						
Stdnt Schol	Koogan, Cyrus Thomas Rex						
N-130032-01	Regulation of Cadherins by MLKs		No	\$300,000	\$151,500	\$451,500	\$451,500
<i>9/22/23 to 8/31/26</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Chadee, Deborah N.	Biological Sciences, Department of			100		
N-130468-01-W1	Functional Characterization of UNIBAIO's Chitosan Microparticles (MCS)		No	\$5,659	\$1,698	\$7,357	\$7,357
<i>10/26/23 to 10/25/25</i>	<i>UNIBAIO Co.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			100		
N-130468-01-W2	Functional Characterization of UNIBAIO's Chitosan Microparticles (MCS)		No	\$2,663	\$799	\$3,462	\$3,462
<i>10/26/23 to 10/25/25</i>	<i>UNIBAIO Co.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			100		
N-600215-01	Antisense oligonucleotide therapy of X-linked Protocadherin 19 related Autism and Epilepsy		No	\$117,436	\$18,406	\$135,842	\$135,842
<i>1/1/24 to 12/31/25</i>	<i>Simons Foundation through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Niu, Wei	Biological Sciences, Department of			100		
S-127676-04-S1	Regulation of epithelial junctions and lumen morphogenesis by the Scribble/SGEF/Dlg1 complex		No	\$45,523	\$0	\$45,523	\$45,523
<i>4/1/23 to 3/31/24</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of			100		
Sum of Department (Biological Sciences, Department of)						Award Count: 10.90	\$1,436,045

Chemistry and Biochemistry, Department of

Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemistry and Biochemistry, Department of						
C-122077-13	Project Seed at UToledo 2023	No	\$9,000	\$0	\$9,000	\$6,750
7/1/23 to 6/30/24 <i>American Chemical Society</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of	50		
	Co-PI	Marszewski, Michal	Chemistry and Biochemistry, Department of	25		
	Co-I	Johnson, Natasha Yvonne	Teacher Education	25		
C-127518-05	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity	No	\$278,612	\$140,699	\$419,311	\$188,690
1/1/24 to 12/31/25 <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		
C-127518-05-I01	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity	No	\$30,957	\$15,633	\$46,590	\$20,965
5/20/24 to 12/31/25 <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		
C-128261-04	Structural and proton dynamics of pyridoxal-5'-phosphate dependent enzymes	No	\$74,429	\$38,703	\$113,132	\$113,132
9/1/23 to 8/31/25 <i>National Institute of General Medical Sciences 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		
C-128710-03-I01	Molecular Design of Lead Acid Battery Model Expanders	No	\$118,026	\$59,603	\$177,629	\$177,629
9/13/23 to 5/31/24 <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	Powers, Kayla C.				
	Stdnt Schol	Verhoff, Elizabeth Clara				
C-129873-02	Shigella Conjugate Vaccine (SCV4) Development, Characterization, and Pre-clinical Evaluation	No	\$75,000	\$30,273	\$105,273	\$105,273
6/1/24 to 5/31/25 <i>National Institute of Allergy & Infectious Diseases through Massachusetts General Hospital</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Andreana, Peter R.	Chemistry and Biochemistry, Department of	100		

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemistry and Biochemistry, Department of						
C-130039-03	O-Specific Polysaccharide Responses and Cholera	No	\$60,000	\$30,300	\$90,300	\$90,300
4/1/24 to 3/31/25 <i>National Institutes of Health through Massachusetts General Hospital</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-130206-02	Organic and Metal Contaminant Occurrence and Fate in Operational Water when Producing Containerized Specialty Crops	No	\$165,110	\$10,481	\$175,591	\$175,591
6/1/24 to 5/31/26 <i>USDA Agricultural Research Service</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
Co-PI Stdnt Schol	Kirchhoff, Jon R. Shine, Gavin	Chemistry and Biochemistry, Department of	100			
N-127690-05	Temperature dependent lattice constants of negative thermal expansion material Al₂Sc_{1.8}Mo₃O₁₂	No	\$5,040	\$0	\$5,040	\$5,040
10/1/23 to 12/31/25 <i>International Centre for Diffraction Data</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lind-Kovacs, Cora	Chemistry and Biochemistry, Department of	100			
N-129873-01	Shigella Conjugate Vaccine (SCV4) Development, Characterization, and Pre-clinical Evaluation	No	\$75,000	\$30,273	\$105,273	\$105,273
6/23/23 to 5/31/24 <i>National Institute of Allergy & Infectious Diseases through Massachusetts General Hospital</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Andreana, Peter R.	Chemistry and Biochemistry, Department of	100			
N-129948-01	Great Lakes Center for Fresh Waters and Human Health	No	\$13,039	\$6,780	\$19,819	\$19,819
5/31/24 to 2/28/25 <i>National Institute of Environmental Health Sciences through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Isailovic, Dragan	Chemistry and Biochemistry, Department of	100			
N-130078-01	LEAPS-MPS: Harnessing materials from nature: from biomaterials to metal oxides	No	\$168,219	\$81,719	\$249,938	\$249,938
9/1/23 to 8/31/26 <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Marszewski, Michal	Chemistry and Biochemistry, Department of	100			
N-130101-01	Acquisition of Helium Recovery Equipment to Establish a Sustainable NMR Facility at The University of Toledo	No	\$322,980	\$0	\$322,980	\$322,980
9/1/23 to 8/31/26 <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kim, Yong Wah	Chemistry and Biochemistry, Department of	80			
Co-PI	Kirchhoff, Jon R.	Chemistry and Biochemistry, Department of	10			
Co-I	Li, Wei	Chemistry and Biochemistry, Department of	10			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemistry and Biochemistry, Department of						
N-130225-01	Effusion Cooling for Hypersonic Ground Testing	No	\$2,306,236	\$693,766	\$3,000,002	\$2,550,002
<i>7/31/24 to 1/30/27 Office of Naval Research</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Huebner, Steven Roy	Mechanical, Industrial, and Manufacturing Engineering, Departm			
	PI/PD	Mason, Mark R.	Chemistry and Biochemistry, Department of	85		
	Co-I	Cioc, Sorin	Mechanical, Industrial, and Manufacturing Engineering, Departm	5		
	Co-I	Gupta, Anju R.	Mechanical, Industrial, and Manufacturing Engineering, Departm	10		
	Stdnt Schol	Waller, Jonathan Michael				
N-130226-01	Hydrogen Academic Programs to Enhance the Hydrogen Economy	No	\$2,551,413	\$448,587	\$3,000,000	\$1,500,000
<i>4/1/24 to 8/31/26 U.S. Department of Energy</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Mason, Mark R.	Chemistry and Biochemistry, Department of	50		
	Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Departm	25		
	Co-I	Shetty, Sujata	Geography and Planning, Department of	25		
N-130642-01	RARE EARTH AND CRITICAL ELEMENTS RECOVERY VIA SELECTIVE MEMBRANES: AI/ML-GUIDED MEMBRANE DEVELOPMENT (SBIR phase 1)	No	\$6,579	\$3,421	\$10,000	\$10,000
<i>2/16/24 to 11/11/24 U.S. Department of Energy through Triton Systems, Inc.</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Schmidt, Joseph	Chemistry and Biochemistry, Department of	100		
N-600117-01	Aging as a Primary Risk Factor for Increased Susceptibility to Aerosolized Harmful Algal Bloom Toxins and Toxic Microplastics (HABRI)	No	\$126,545	\$9,724	\$136,269	\$6,813
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education 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	75		
	Co-PI	Kennedy, David Joseph	Medicine, Department of	5		
	Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of	5		
	Co-I	Koch, Lauren Gerard	Physiology & Pharmacology, Department of	5		
	Co-I	Stanoszek, Lauren Michele	Pathology, Department of	5		
	Co-I	Willey, James	Medicine, Department of	5		
N-600118-01	HABRI: Characterization and Screening of Aerosolized Anatoxin-a, Guanitoxin, Cylindrospermopsins, and Saxitoxins in Vulnerable Populations	No	\$98,926	\$7,914	\$106,840	\$5,342
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education 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	80		
	Co-PI	Kennedy, David Joseph	Medicine, Department of	15		
	Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of	5		

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Chemistry and Biochemistry, Department of						
N-600148-01	Diagnostic Test Development for Detection and Monitoring of Cyanotoxins in Human and Veterinary Applications (HABRI)	No	\$105,679	\$8,454	\$114,133	\$11,413
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kennedy, David Joseph	Medicine, Department of			40	
Co-PI	Haller, Steven T.	Medicine, Department of			40	
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			10	
Co-I	Stepkowski, Stanislaw M.	Med Microbiology & Immunology, Department of			10	
N-600507-01	Project SEED Program 2024	No	\$4,800	\$0	\$4,800	\$4,800
<i>6/10/24 to 8/31/24 American Chemical Society</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Marszewski, Michal	Chemistry and Biochemistry, Department of			100	
Sum of Department (Chemistry and Biochemistry, Departm)					Award Count: 15.20	\$5,669,751
Environmental Sciences, Department of						
C-123614-09-I02	Research Support Agreement-Acquisition of Goods and Services	No	\$3,311	\$331	\$3,642	\$3,642
<i>5/14/23 to 5/15/23 U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Bossenbroek, Jonathan	Environmental Sciences, Department of			100	
C-128148-02	Development of capabilities and response methodologies to effectively respond to detections of Grass Carp	No	\$496,315	\$49,631	\$545,946	\$545,946
<i>7/1/23 to 6/30/25 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			50	
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of				
Co-I	Qian, Song S.	Environmental Sciences, Department of			50	
C-128565-03	Distance Education and Training on Emerging Contaminants and Technologies (DETECT)	No	\$27,962	\$2,237	\$30,199	
<i>9/1/23 to 8/31/24 National Institute of Environmental Health Sciences through Purdue University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Ames, April L.	Department of Population Health			60	
Co-I	Dwyer, Daryl	Environmental Sciences, Department of				
Co-I	Haller, Steven T.	Medicine, Department of				
Co-I	Kennedy, David Joseph	Medicine, Department of				
Co-I	Milz, Sheryl A.	Department of Population Health			20	
Co-I	Saltzman, Barbara	Department of Population Health			20	

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Environmental Sciences, Department of						
C-128627-05	Monitoring restored wetland within the H2Ohio Initiative (Phase 6) FY24	No	\$487,415	\$48,741	\$536,156	\$375,309
<i>7/1/23 to 6/30/25 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	30			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	30			
C-128757-03	Grass Carp Reproduction in Lake Erie	No	\$106,383	\$18,166	\$124,549	\$62,275
<i>8/14/23 to 3/9/25 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	25			
PI/PD	Qian, Song S.	Lake Erie Soil and Water Research and Education Center	25			
Co-PI	Mayer, Christine Marie	Environmental Sciences, Department of	25			
Co-PI	Mayer, Christine Marie	Lake Erie Soil and Water Research and Education Center	25			
C-129308-03	RSA for student employment	No	\$1,818	\$182	\$2,000	\$2,000
<i>8/30/23 to 8/29/24 U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bossenbroek, Jonathan	Environmental Sciences, Department of	100			
C-129438-02	Synergistic impact of climate induced acidification, temperature, and nutrients on cyanobacteria HABs in the Great Lakes	No	\$19,105	\$9,648	\$28,753	\$14,377
<i>9/1/23 to 8/31/24 National Oceanic and Atmospheric Administration through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spanbauer, Trisha	Environmental Sciences, Department of	50			
PI/PD	Spanbauer, Trisha	Lake Erie Soil and Water Research and Education Center	50			
C-129923-01-I01	Collaborative Research: MRA: Resolving and scaling litter decomposition controls from leaf to landscape in North American drylands	No	\$78,380	\$39,582	\$117,962	\$117,962
<i>6/25/24 to 12/31/28 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Moorhead, Daryl Lee	Environmental Sciences, Department of	100			
N-129070-01	Pilot watershed project: ODA technical assistance (RCPP Project ID #2603)	No	\$90,831	\$0	\$90,831	\$90,831
<i>8/12/22 to 7/30/27 Ohio Department of Agriculture through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	100			
Stdnt Schol	Endres, Christopher Lee					

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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						
N-129923-01	Collaborative Research: MRA: Resolving and scaling litter decomposition controls from leaf to landscape in North American drylands	No	\$21,479	\$10,847	\$32,326	\$32,326
<i>1/1/24 to 12/31/28 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
	PI/PD	Moorhead, Daryl Lee	Environmental Sciences, Department of		100	
N-130128-01	Assessment of Sandusky River habitat suitability for potential sauger (Sander canadensis) reintroduction (FY24)	No	\$42,054	\$2,211	\$44,265	\$44,265
<i>7/1/23 to 6/30/24 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		40	
	Co-PI	Mayer, Christine Marie	Environmental Sciences, Department of		30	
	Co-I	Crail, Todd	Environmental Sciences, Department of		30	
N-130151-01	A tale of two extremes: Temperature sensitivity of carbon loss from cool and hot soils	No	\$10,551	\$5,328	\$15,879	\$15,879
<i>9/1/23 to 8/31/24 U.S. Department of Energy through Emory University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
	PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of		100	
N-130176-01	Tidal Triggers and Hot-Spot Switches in Coastal Marsh	No	\$5,029	\$1,308	\$6,337	\$3,169
<i>9/1/23 to 8/31/24 U.S. Department of Energy through Marine Biological Laboratory</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
	PI/PD	Forbrich, Inke	Environmental Sciences, Department of		50	
	PI/PD	Forbrich, Inke	Lake Erie Soil and Water Research and Education Center		50	
N-130237-01	Collaborative Research: BoCP-Implementation: Quantifying the response of biodiverse freshwater ecosystems to abrupt and progressive environmental change	No	\$273,246	\$137,989	\$411,235	\$411,235
<i>1/1/24 to 12/31/28 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
	PI/PD	Spanbauer, Trisha	Environmental Sciences, Department of		100	
N-130245-01	COMPASS FME	No	\$625,000	\$325,000	\$950,000	\$912,000
<i>3/1/24 to 9/30/26 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		34	
	Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		4	
	Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of		24	
	Co-I	Forbrich, Inke	Environmental Sciences, Department of		24	
	Co-I	Spanbauer, Trisha	Environmental Sciences, Department of		14	
	Statistician	Farrell, Regan Leigh				

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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						
N-130388-01	CAREER: Electrical Signals in Soils across Terrestrial and Aquatic Interfaces	No	\$208,439	\$85,936	\$294,375	\$294,375
<i>5/1/24 to 4/30/26 National Science Foundation</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, William Hunter					
Stdnt Schol	Livecchi, Nicholas J.					
N-130403-01	Lake Sturgeon survival, habitat use, and movements in Lake Erie	No	\$126,637	\$22,162	\$148,799	\$148,799
<i>9/1/23 to 8/31/27 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			100	
N-130409-01	Sample Testing Agreement for total carbon and nitrogen analyses of soil extracts	No	\$1,794	\$0	\$1,794	\$1,794
<i>9/1/23 to 8/31/24 University of Nevada Las Vegas</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of			100	
N-130425-01	Cultivating Persistence and Leadership Development in Science Master Teachers (Robert Noyce Teacher Scholarship)	No	\$1,314,597	\$84,647	\$1,399,244	\$139,924
<i>4/1/24 to 3/31/27 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Johnson, Natasha Yvonne	Teacher Education			70	
Co-PI	Bossenbroek, Jonathan	Environmental Sciences, Department of			10	
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of			10	
Co-I	Toland, Michael	Dean-Education			10	
N-130605-01	Evaluating the Effects of Climate Change on Lake Erie Fishery Recruitment	No	\$102,310	\$17,904	\$120,214	\$120,214
<i>1/25/24 to 8/31/25 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			100	
Stdnt Schol	Trois, Lou Marie Nikita					
N-130614-01	Ecosystem on the Edge: How Coastal Marsh Plants and Microbes Thrive in an Oscillating Environment	No	\$213,712	\$34,440	\$248,152	\$248,152
<i>2/1/24 to 1/31/25 Simons Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Forbrich, Inke	Environmental Sciences, Department of			100	

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Environmental Sciences, Department of						
N-600094-01	Geophysical mapping of sub-bottom sediments, groundwater discharge zones, and bathymetry of inundated coastal wetlands and shallow Lakes (HABRI)	No	\$103,753	\$6,980	\$110,733	\$110,733
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education 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-600130-01	Grass carp removal from Lake Erie and tributaries	No	\$341,318	\$14,381	\$355,699	\$355,699
<i>3/15/24 to 9/30/25 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			50	
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of			0	
Co-I	Qian, Song S.	Environmental Sciences, Department of			50	
N-600157-01	Use of High-Resolution Data Sets to Locate Sites for Restoration and Installation of Nutrient Interceptors in the Maumee Watershed (HABRI)	No	\$172,950	\$8,651	\$181,601	\$36,320
<i>3/1/24 to 6/30/24 Ohio Department of Higher Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of			60	
Co-I	Dwyer, Daryl	Environmental Sciences, Department of			20	
Co-I	Egan, Kevin	Economics, Department of			20	
N-600358-01	RSA (Research support agreement) with USDA--ARS	No	\$21,500	\$2,150	\$23,650	\$23,650
<i>5/16/24 to 5/15/25 U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Bossenbroek, Jonathan	Environmental Sciences, Department of			100	
S-129172-03-S1	NACA: Investigating effects of algal toxins on plants	No	\$86,831	\$8,683	\$95,514	\$95,514
<i>8/1/23 to 7/31/25 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	
Stdnt Schol	Lewis, Abigail					
um of Department (Environmental Sciences, Department o						Award Count: 21.46
						\$4,206,389
Lake Erie Soil and Water Research and Education Center						
C-128627-05	Monitoring restored wetland within the H2Ohio Initiative (Phase 6) FY24	No	\$487,415	\$48,741	\$536,156	\$160,847
<i>7/1/23 to 6/30/25 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			30	
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			30	

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Lake Erie Soil and Water Research and Education Center						
C-128757-03	Grass Carp Reproduction in Lake Erie	No	\$106,383	\$18,166	\$124,549	\$62,275
<i>8/14/23 to 3/9/25 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	25			
PI/PD	Qian, Song S.	Lake Erie Soil and Water Research and Education Center	25			
Co-PI	Mayer, Christine Marie	Environmental Sciences, Department of	25			
Co-PI	Mayer, Christine Marie	Lake Erie Soil and Water Research and Education Center	25			
C-129438-02	Synergistic impact of climate induced acidification, temperature, and nutrients on cyanobacteria HABs in the Great Lakes	No	\$19,105	\$9,648	\$28,753	\$14,377
<i>9/1/23 to 8/31/24 National Oceanic and Atmospheric Administration through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spanbauer, Trisha	Environmental Sciences, Department of	50			
PI/PD	Spanbauer, Trisha	Lake Erie Soil and Water Research and Education Center	50			
C-129801-02	Development and Validation of Early Detection and Sustained Treatment Methods to Control HABs in Inland Source Waters in Ohio (Option Year 2)	No	\$431,362	\$68,573	\$499,935	\$99,987
<i>1/1/24 to 12/31/24 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	36			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	20			
Co-I	Kang, Dae Wook	Civil & Environmental Engineering, Department of	22			
Co-I	Lapitsky, Yakov	Chemical Engineering, Department of	22			
Stdnt Schol	Depinet, Kelsey Ann					
Stdnt Schol	Head, Samuel M.					
Stdnt Schol	Patel, Vansh					
N-130176-01	Tidal Triggers and Hot-Spot Switches in Coastal Marsh	No	\$5,029	\$1,308	\$6,337	\$3,169
<i>9/1/23 to 8/31/24 U.S. Department of Energy through Marine Biological Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Forbrich, Inke	Environmental Sciences, Department of	50			
PI/PD	Forbrich, Inke	Lake Erie Soil and Water Research and Education Center	50			
N-130245-01	COMPASS FME	No	\$625,000	\$325,000	\$950,000	\$38,000
<i>3/1/24 to 9/30/26 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	34			
Co-I	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center	4			
Co-I	Doro, Kennedy Okioghene	Environmental Sciences, Department of	24			
Co-I	Forbrich, Inke	Environmental Sciences, Department of	24			
Co-I	Spanbauer, Trisha	Environmental Sciences, Department of	14			
Statistician	Farrell, Regan Leigh					

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Lake Erie Soil and Water Research and Education Center						
S-129982-01-S1	H2Ohio Wetland Monitoring: Sensor Infrastructure and Capacity	No	\$437,273	\$43,727	\$481,000	\$481,000
<i>10/1/23 to 9/30/25 U.S. Environmental Protection Agency through Ohio 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			
Sum of Department (Lake Erie Soil and Water Research and					Award Count: 3.04	\$859,653
Mathematics & Statistics, Department of						
N-130053-01	Finite rank Toeplitz products in several complex variables	No	\$35,000	\$7,000	\$42,000	\$42,000
<i>9/1/23 to 8/31/28 Simons Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Le, Trieu L.	Mathematics & Statistics, Department of	100			
N-130083-01	MathCorps UToledo: Discover your greatness (Super Saturdays)	No	\$10,120	\$1,012	\$11,132	\$11,132
<i>6/1/23 to 5/31/24 U.S. Department of the Treasury through The City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gultepe, Funda	Mathematics & Statistics, Department of	100			
Stdnt Schol	Bharat, nfn					
Stdnt Schol	Kakade, Yash Sanjay					
Stdnt Schol	Singh, Ananya					
N-130472-01	Unified Large-Scale Theoretical and Computational Frameworks for Invariance and Composition of Open Hybrid Dynamical Systems	No	\$70,687	\$32,337	\$103,024	\$103,024
<i>8/18/23 to 7/1/24 Air Force Office of Scientific Research through George Washington University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kalies, William	Mathematics & Statistics, Department of	100			
T-130471-02	Mathematically Justified Computational Platform for Nonlinear Dynamics	No	\$29,047	\$15,105	\$44,152	\$44,152
<i>11/1/23 to 10/31/24 Air Force Office of Scientific Research through Rutgers University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kalies, William	Mathematics & Statistics, Department of	100			
Sum of Department (Mathematics & Statistics, Department					Award Count: 4.00	\$200,308
Physics and Astronomy, Department of						
C-126958-06	Center for Hybrid Organic-Inorganic Semiconductors for Energy (CHOISE) - Phase II	No	\$74,419	\$37,581	\$112,000	\$112,000
<i>9/18/23 to 10/31/24 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			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Physics and Astronomy, Department of						
C-127790-03	Back-Contact Interface Engineering for Higher Efficiency CdTe PV	No	\$552,413	\$288,655	\$841,068	\$841,068
<i>10/1/23 to 12/31/25 U.S. Department of Energy through Colorado State University</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	20		
	Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	20		
	Co-I	Phillips, Adam B.	Physics and Astronomy, Department of	20		
	Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	20		
	Co-I	Yan, Yanfa	Physics and Astronomy, Department of	20		
C-127804-03	Toward Low-Cost, Efficient and Stable Perovskite Thin-Film Modules	No	\$670,316	\$272,898	\$943,214	\$943,214
<i>10/1/23 to 9/30/25 U.S. Department of Energy</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	52		
	Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	16		
	Co-I	Heben, Michael J.	Physics and Astronomy, Department of	16		
	Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	16		
C-127804-03-I01	Toward Low-Cost, Efficient and Stable Perovskite Thin-Film Modules (SETO)	No	\$657,526	\$325,475	\$983,001	\$983,001
<i>10/1/24 to 9/30/25 U.S. Department of Energy</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	40		
	Co-PI	Song, Zhaoning	Physics and Astronomy, Department of	15		
	Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	15		
	Co-I	Heben, Michael J.	Physics and Astronomy, Department of	15		
	Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of	15		
C-128556-03	The Spitzer IRS Mapping Legacy Archive	No	\$46,844	\$23,656	\$70,500	\$70,500
<i>5/1/23 to 4/30/25 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		
C-128723-01-I02	Sample Measurement for Covalent Metrology--October 2020	No	\$3,454	\$1,123	\$4,577	\$4,577
<i>10/15/21 to 6/30/24 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		

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Physics and Astronomy, Department of						
C-128808-03	Perovskite PV Accelerator for Commercial technologies (PACT)	No	\$77,077	\$38,923	\$116,000	\$116,000
<i>11/13/23 to 9/30/25 Sandia National Laboratory through National Technology and Engineering Solutions of Sandia, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	10			
Co-I	Song, Zhaoning	Physics and Astronomy, Department of	80			
Co-I	Yan, Yanfa	Physics and Astronomy, Department of	10			
C-128808-03-S1	Perovskite PV Accelerator for Commercial technologies (PACT)	No	\$84,868	\$44,132	\$129,000	\$129,000
<i>11/13/23 to 9/30/25 Sandia National Laboratory through National Technology and Engineering Solutions of Sandia, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	10			
Co-I	Song, Zhaoning	Physics and Astronomy, Department of	80			
Co-I	Yan, Yanfa	Physics and Astronomy, Department of	10			
C-129112-01-I01	Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Function	No	\$49,188	\$24,840	\$74,028	\$74,028
<i>4/24/24 to 8/31/25 National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Cushing, Michael C.	Physics and Astronomy, Department of	100			
C-129119-01-I01	The Vanishing Act: PAHs and Heavy Element Abundance in M101	No	\$10,941	\$5,525	\$16,466	\$16,466
<i>5/29/24 to 1/31/26 Association of Universities for Research in Astronomy, Inc.</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			
C-129121-01-I01	Dissecting the Prototypical Starbursts NGC 253 and M 82 and Their Cool Galactic Winds	No	\$7,762	\$3,920	\$11,682	\$11,682
<i>5/29/24 to 10/31/25 Association of Universities for Research in Astronomy, Inc.</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			
C-129730-02	Surveying the 3-5 Micron Variability of Young Stellar Objects with Spitzer	No	\$137,819	\$29,673	\$167,492	\$167,492
<i>3/9/24 to 3/8/25 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			

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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-129731-02	Near-IR Spectroscopy of Protostars: Determining the Boundary Conditions of Planet Formation		No	\$73,960	\$37,350	\$111,310	\$111,310
<i>5/1/24 to 4/30/25</i>	<i>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-129861-01-I01	An HST Treasury of Stellar Feedback in Action: Sizes, Structures, and Power Sources for 50,000 Extragalactic HII Regions		No	\$34,964	\$17,657	\$52,621	\$52,621
<i>9/27/23 to 12/31/25</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of			100		
C-129861-01-I02	An HST Treasury of Stellar Feedback in Action: Sizes, Structures, and Power Sources for 50,000 Extragalactic HII Regions		No	\$34,964	\$17,657	\$52,621	\$52,621
<i>2/28/24 to 12/31/25</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of			100		
C-129933-01-I01	The First Comprehensive Study of LMXBs Formed in the Globular Cluster Systems of Spiral Galaxies		No	\$24,917	\$12,583	\$37,500	\$37,500
<i>6/26/24 to 1/31/26</i>	<i>National Aeronautics and Space Administration through Smithsonian Astrophysical Observatory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of			100		
N-129075-01-I01	Investigating Protostellar Accretion Across the Mass Spectrum		No	\$24,200	\$12,221	\$36,421	\$36,421
<i>11/29/23 to 6/30/25</i>	<i>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		
N-129120-01	The First Ever Low Metallicity PDR Benchmark		No	\$18,028	\$9,105	\$27,133	\$27,133
<i>8/1/23 to 7/31/26</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</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		
N-129123-01	How Do the Small Survive: PAHs in Low Metallicity Starburst II Zw 40		No	\$15,726	\$7,942	\$23,668	\$23,668
<i>11/1/23 to 10/31/26</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</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		

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Physics and Astronomy, Department of						
N-129535-01	PFI-TT: A new test for male fertility based on sperm neck structures	No	\$166,113	\$83,887	\$250,000	\$50,000
<i>8/1/23 to 7/31/26 National Science Foundation</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Avidor-Reiss, Tomer	Biological Sciences, Department of	80		
	Co-PI	Ray, Aniruddha	Physics and Astronomy, Department of	20		
	Stdnt Schol	Himel, Antardip				
	Stdnt Schol	Koogan, Cyrus Thomas Rex				
N-129706-01	Fueling the Fire: Tracing Black Hole Growth in Pre-Quasar Systems	No	\$68,193	\$34,437	\$102,630	\$102,630
<i>7/15/23 to 7/14/26 National Aeronautics and Space Administration</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-129758-01	High-throughput high-resolution microscopy for mechanism based phenotypic drug discovery applications	No	\$300,000	\$151,500	\$451,500	\$406,350
<i>8/1/23 to 7/31/26 National Institute of Biomedical Imaging & Bioengineering</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Ray, Aniruddha	Physics and Astronomy, Department of	90		
	Co-I	Kaur, Devinder	Electrical Engineering and Computer Science, Department of	10		
	Stdnt Schol	Himel, Antardip				
	Stdnt Schol	Koogan, Cyrus Thomas Rex				
	Stdnt Schol	Mudaliyar, Ashwini				
	Stdnt Schol	Subramanian, Aakash				
N-129760-01	Direct Tests of Black Hole Accretion Rate Prescriptions	No	\$419,374	\$211,785	\$631,159	\$631,159
<i>9/1/23 to 8/31/28 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-129912-01	X-ray Observations of an Outbursting Class 0 Protostar in Orion	No	\$18,458	\$9,322	\$27,780	\$27,780
<i>10/16/23 to 10/15/25 National Aeronautics and Space Administration through Smithsonian Astrophysical Observatory</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of	100		
N-129958-01	High Performance Superstrate for CdTe Modules	No	\$79,331	\$32,487	\$111,818	\$111,818
<i>10/1/23 to 6/30/25 U.S. Department of Energy through Vitro Flat Glass LLC</i>						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	50		
	Co-I	Bastola, Ebin	Physics and Astronomy, Department of	50		

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Physics and Astronomy, Department of							
N-129978-01	All-Perovskite Tandem Photoelectrodes for Low-Cost Solar Hydrogen Fuel Production from Water Splitting		No	\$199,335	\$100,664	\$299,999	\$299,999
<i>10/1/23 to 3/31/25</i>	<i>U.S. Department of Energy</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	Song, Zhaoning		Physics and Astronomy, Department of		50	
N-129981-01	Gallium Nitride (GaN) Protected Tandem Photoelectrodes for High Efficiency, Low cost, and Stable Solar Water Splitting		No	\$57,143	\$28,857	\$86,000	\$86,000
<i>9/1/23 to 8/31/26</i>	<i>U.S. Department of Energy through University of Michigan</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Yan, Yanfa		Physics and Astronomy, Department of		100	
N-130339-01	Crouching Galaxy, Hidden Stars: Observational Tests of Cluster Formation Theories		No	\$12,833	\$6,481	\$19,314	\$19,314
<i>10/1/23 to 9/30/26</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Chandar, Rupali		Physics and Astronomy, Department of		100	
N-130359-01	The JWST Whirlpool Galaxy Treasury		No	\$9,996	\$5,048	\$15,044	\$15,044
<i>5/1/24 to 4/30/27</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</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	
N-130364-01	The JWST Whirlpool Galaxy Treasury		No	\$16,399	\$8,282	\$24,681	\$24,681
<i>5/1/24 to 4/30/27</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Chandar, Rupali		Physics and Astronomy, Department of		100	
N-130503-01	Identifying X-ray Binaries with High-Mass Donor Stars in Nearby Spiral Galaxies		No	\$6,608	\$3,436	\$10,044	\$10,044
<i>4/1/24 to 3/31/27</i>	<i>National Aeronautics and Space Administration through Association of Universities for Research in Astronomy, Inc.</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Chandar, Rupali		Physics and Astronomy, Department of		100	

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Physics and Astronomy, Department of						
N-130508-01	Modeling of Components in Nuclear/Renewable Power Systems	No	\$59,801	\$31,097	\$90,898	\$22,725
<i>11/9/23 to 10/31/24 U.S. Department of Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of		25		
Co-I	Heben, Michael J.	Physics and Astronomy, Department of		25		
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		25		
Co-I	Krishna Murari, FNU	Electrical Engineering and Computer Science, Department of		25		
N-130603-01	New Materials for Space Power (NM4SP) - STAR 2	No	\$1,994,575	\$663,425	\$2,658,000	\$2,658,000
<i>6/21/24 to 7/31/29 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		20		
Co-I	Abudulimu, Abasi					
Co-I	Bastola, Ebin					
Co-I	Heben, Michael J.	Physics and Astronomy, Department of		16		
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of		16		
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of		16		
Co-I	Shan, Ambalanath					
Co-I	Song, Zhaoning	Physics and Astronomy, Department of		16		
Co-I	Yan, Yanfa	Physics and Astronomy, Department of		16		
Stdnt Schol	Desai, Durgesh Manohar					
Stdnt Schol	Maliyekal, Neha Peter					
Stdnt Schol	Muthangi, Nandan Reddy					
R-127856-04	REU Site: Research Experiences for Undergraduates in Physics and Astronomy at the University of Toledo	No	\$128,350	\$8,502	\$136,852	\$136,852
<i>4/1/24 to 3/31/25 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-PI	Khare, Sanjay V.	Physics and Astronomy, Department of		50		
Sum of Department (Physics and Astronomy, Department of)				Award Count: 32.35		\$8,412,697
Sum of College (Natural Sciences & Mathematics, College of)				Award Count: 86.95		\$20,784,844

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>
Center for Drug Design and Development						

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>	
Center for Drug Design and Development								
C-128712-02	Cross platform analysis of drug targets and toxicity of bath salts		No	\$360,175	\$196,295	\$556,470	\$306,059	
<i>7/1/23 to 6/30/24</i>	<i>National Institute on Drug Abuse</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Schiefer, Isaac T.		Center for Drug Design and Development		55		
	Co-I	Hall, Frank		Pharmacology & Experimental Therapeutics, Department of		15		
	Co-I	Smith, Robert Erne		Neurosciences, Department of		15		
	Co-I	Williams, Frederick E.		Pharmacology & Experimental Therapeutics, Department of		15		
C-129157-02	Zebrafish Screens to Identify Agents which Reverse the Effects of Synthetic Opioids		No	\$100,000	\$54,500	\$154,500	\$115,875	
<i>4/1/24 to 9/30/25</i>	<i>National Institute on Drug Abuse</i>							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Schiefer, Isaac T.		Center for Drug Design and Development		75		
	Co-I	Williams, Frederick E.		Pharmacology & Experimental Therapeutics, Department of		25		
Sum of Department (Center for Drug Design and Developm							Award Count: 1.30	\$421,934
Medicinal and Biological Chemistry, Department of								
C-127518-05	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity		No	\$278,612	\$140,699	\$419,311	\$230,621	
<i>1/1/24 to 12/31/25</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		
C-127518-05-I01	Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity		No	\$30,957	\$15,633	\$46,590	\$25,624	
<i>5/20/24 to 12/31/25</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		
C-127575-05	Cofilin Signaling in Hemorrhagic Stroke		No	\$278,330	\$109,000	\$387,330	\$387,330	
<i>4/1/24 to 3/31/26</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		

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY24. 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	
Medicinal and Biological Chemistry, Department of								
C-128276-04	Metastatin Analogs for the Treatment of Metabolic Diseases		No	\$163,542	\$11,031	\$174,573	\$87,287	
7/5/23 to 12/31/25	State University of New York Downstate Medical Center							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Erhardt, Paul W.		Medicinal and Biological Chemistry, Department of		50		
	Co-I	Liu, Shi-He		Cell & Cancer Biology, Department of		50		
C-128453-03	Functional architecture of intracellular Ca²⁺ signals		No	\$80,168	\$43,356	\$123,524	\$123,524	
12/1/23 to 11/30/24	National Institute of General Medical Sciences through Medical College of Wisconsin							
	<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-128900-03	Novel GLT-1 activators for the treatment of alcohol dependence: preclinical studies		No	\$341,131	\$78,381	\$419,512	\$20,976	
6/1/24 to 5/31/25	National Institute on Alcohol Abuse and Alcoholism							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Sari, Youssef		Pharmacology & Experimental Therapeutics, Department of		95		
	Co-I	Schiefer, Isaac T.		Medicinal and Biological Chemistry, Department of		5		
N-129797-01	Clinical and Translational Science Collaborative of Northern Ohio, Catalyzing Linkage to Equity in Health (CLE Health)		No	\$48,978	\$27,183	\$76,161	\$15,232	
8/2/23 to 6/30/24	National Institutes of Health through Case Western Reserve University/Case Medical Center							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Zhang, Jian-Ting		Cell & Cancer Biology, Department of		30		
	Co-I	Dworkin, Lance		Medicine, Department of		30		
	Co-I	Pappada, Scott Michael		Anesthesiology, Department of		20		
	Co-I	Shah, Zahoor		Medicinal and Biological Chemistry, Department of		20		
N-130456-01	Skin penetration of benzalkonium chloride		No	\$19,292	\$10,707	\$29,999	\$22,499	
5/7/24 to 12/31/25	Rockline Industries							
	<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		
N-130507-01	Development of a novel anti-cancer agent for the treatment of advanced metastatic		No	\$5,250	\$0	\$5,250	\$5,250	
7/1/23 to 6/30/24	Sigma Delta Epsilon Graduate Women in Science Inc.							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Shah, Zahoor		Medicinal and Biological Chemistry, Department of		100		
Sum of Department (Medicinal and Biological Chemistry, D							Award Count: 5.60	\$918,343

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-128712-02	Cross platform analysis of drug targets and toxicity of bath salts		No	\$360,175	\$196,295	\$556,470	\$166,941	
7/1/23 to 6/30/24	National Institute on Drug Abuse							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Schiefer, Isaac T.		Center for Drug Design and Development		55		
	Co-I	Hall, Frank		Pharmacology & Experimental Therapeutics, Department of		15		
	Co-I	Smith, Robert Erne		Neurosciences, Department of		15		
	Co-I	Williams, Frederick E.		Pharmacology & Experimental Therapeutics, Department of		15		
C-128900-03	Novel GLT-1 activators for the treatment of alcohol dependence: preclinical studies		No	\$341,131	\$78,381	\$419,512	\$398,536	
6/1/24 to 5/31/25	National Institute on Alcohol Abuse and Alcoholism							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Sari, Youssef		Pharmacology & Experimental Therapeutics, Department of		95		
	Co-I	Schiefer, Isaac T.		Medicinal and Biological Chemistry, Department of		5		
C-129157-02	Zebrafish Screens to Identify Agents which Reverse the Effects of Synthetic Opioids		No	\$100,000	\$54,500	\$154,500	\$38,625	
4/1/24 to 9/30/25	National Institute on Drug Abuse							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Schiefer, Isaac T.		Center for Drug Design and Development		75		
	Co-I	Williams, Frederick E.		Pharmacology & Experimental Therapeutics, Department of		25		
C-129581-02	Cerebrovascular endothelial cilia in the pathogenesis and therapy of Alzheimer's disease		No	\$90,000	\$46,598	\$136,598	\$136,598	
2/1/24 to 1/31/25	National Institute on Aging							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Aboualaiwi, Wissam Ali		Pharmacology & Experimental Therapeutics, Department of		100		
C-129581-02-I01	Cerebrovascular endothelial cilia in the pathogenesis and therapy of Alzheimer's disease		No	\$10,000	\$5,177	\$15,177	\$15,177	
6/21/24 to 1/31/26	National Institute on Aging							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Aboualaiwi, Wissam Ali		Pharmacology & Experimental Therapeutics, Department of		100		
Sum of Department (Pharmacology & Experimental Therap							Award Count: 3.50	\$755,877
Pharmacy Practice, Department of								
C-128897-04	Testing in vitro SPF and broad spectrum protection		No	\$4,545	\$1,455	\$6,000	\$6,000	
7/5/23 to 12/31/24	ACT Solutions Corp							
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>		
	PI/PD	Baki, Gabriella		Pharmacy Practice, Department of		100		

Pharmacy & Pharmaceutical Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Pharmacy Practice, Department of						
C-130322-01-I01	From Bottles to Beauty: Creating Connections using Experiential Learning in Plastics Circularity	No	\$132,891	\$67,109	\$200,000	\$50,000
<i>5/7/24 to 2/28/27 National Institute of Standards and Technology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lawrence, Joseph G.	Chemical Engineering, Department of			75	
PI/PD	Liberatore, Matthew Walter	Chemical Engineering, Department of				
Co-I	Baki, Gabriella	Pharmacy Practice, Department of			25	
C-130637-01-W2	Aurorium Testing	No	\$231	\$69	\$300	\$300
<i>3/1/24 to 2/28/25 Aurorium LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of			100	
N-130195-01	Creating a sensory toolbox	No	\$14,762	\$4,724	\$19,486	\$19,486
<i>11/9/23 to 11/8/25 3V Sigma USA Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of			100	
N-130322-01	From Bottles to Beauty: Creating Connections using Experiential Learning in Plastics Circularity	No	\$212,757	\$87,243	\$300,000	\$75,000
<i>3/1/24 to 2/28/27 National Institute of Standards and Technology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lawrence, Joseph G.	Chemical Engineering, Department of			75	
PI/PD	Liberatore, Matthew Walter	Chemical Engineering, Department of				
Co-I	Baki, Gabriella	Pharmacy Practice, Department of			25	
N-130340-01-W1	Testing agreement for testing sunscreen SPF and broad spectrum protection	No	\$231	\$69	\$300	\$300
<i>4/2/24 to 4/1/25 Sula Labs, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of			100	
N-130456-01	Skin penetration of benzalkonium chloride	No	\$19,292	\$10,707	\$29,999	\$7,500
<i>5/7/24 to 12/31/25 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	
N-130637-01-W1	Aurorium Testing	No	\$231	\$69	\$300	\$300
<i>1/24/24 to 1/23/25 Aurorium LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Baki, Gabriella	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						
N-130661-01	2023 NYSCC Grant for Educational Institutions	No	\$8,145	\$943	\$9,088	\$9,088
<i>1/1/24 to 12/31/24 New York Society of Cosmetic Chemists Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	100			
N-600356-01	Grant for Pharmacy & Science Career Camp for the College of Pharmacy & Pharmaceutical Sciences	No	\$14,000	\$0	\$14,000	\$14,000
Please note: forms are due 3/29/24						
<i>5/1/24 to 8/31/24 U.S. Department of the Treasury through The City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Seegert, Michelle Lynn	Pharmacy Practice, Department of	100			
T-130513-01	Phosphodiesterase 4B Inhibition as a Therapeutic Target for Alcohol-associated Liver Disease	No	\$262,500	\$127,685	\$390,185	\$390,185
<i>9/25/23 to 8/31/25 National Institute on Alcohol Abuse and Alcoholism</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kumar, Virender	Pharmacy Practice, Department of	100			
Sum of Department (Pharmacy Practice, Department of)		Award Count: 8.75		\$572,159		
Sum of College (Pharmacy & Pharmaceutical Sciences, Co		Award Count: 19.15		\$2,668,313		

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>
Counseling Center						
N-130365-01	STAR Coalition	No	\$5,000	\$0	\$5,000	\$5,000
<i>8/9/23 to 6/30/24 Prevention Action Alliance</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sullivan, Latasha Christine	Counseling Center	100			
N-130495-01	STAR 2: Relationships	No	\$4,982	\$0	\$4,982	\$4,982
<i>10/3/23 to 6/30/24 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			

Provost - Academic Affairs, Enrollment Services

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Counseling Center						
N-130522-01	Mental Health Support Grant	No	\$371,044	\$16,872	\$387,916	\$387,916
<i>2/6/24 to 6/30/24 Ohio Department of Higher Education</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: 3.00	\$397,898
Student Affairs						
C-129365-02	Rocket Camp	No	\$1,725,980	\$40,000	\$1,765,980	\$1,765,980
<i>1/1/24 to 12/31/24 U.S. Department of Defense</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spann, Sammy	Student Affairs	100			
Sum of Department (Student Affairs)					Award Count: 1.00	\$1,765,980
TRIO Student Support Services						
C-103911-28	UT Student Support Services	No	\$264,916	\$21,193	\$286,109	\$286,109
<i>9/1/23 to 8/31/24 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Brown, Kenneth J.	TRIO Student Support Services	100			
Stdnt Schol	Adeagbo, Abolade Heritage					
Stdnt Schol	Collier, Hannah Nicole					
Stdnt Schol	Hodges, Jewel Arian					
Stdnt Schol	Khan, Iraj					
Stdnt Schol	Napler-McClendon, Jersey Ly					
Sum of Department (TRIO Student Support Services)					Award Count: 1.00	\$286,109
Upward Bound						
C-126194-07	Upward Bound Math & Science Program	No	\$286,579	\$22,926	\$309,505	\$309,505
<i>9/1/23 to 8/31/24 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			
N-600357-01	City of Toledo Youth Programming Grant Summer 2024	No	\$38,318	\$1,682	\$40,000	\$40,000
<i>5/1/24 to 8/31/24 U.S. Department of the Treasury through The City of Toledo</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Durham, Alisha H.	Upward Bound	100			
Sum of Department (Upward Bound)					Award Count: 2.00	\$349,505
Sum of College (Provost - Academic Affairs, Enrollment Se)					Award Count: 7.00	\$2,799,492

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-130634-01	Swan Creek InStream Restoration	No	\$177,094	\$30,106	\$207,200	\$207,200
<i>12/14/23 to 1/31/27 National Oceanic and Atmospheric Administration through Great Lakes Commission</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Nieder Korn, Timothy Scott	Safety and Health, Office of			100	
Sum of Department (Safety and Health, Office of)					Award Count: 1.00	\$207,200

University Police

N-129806-01	Utoledo Police Retention Program	No	\$100,000	\$0	\$100,000	\$100,000
<i>7/1/22 to 12/31/24 U.S. Department of the Treasury through Ohio Emergency Management Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Newton, Jeff C.	University Police			75	
Co-I	Theis, Rodney J.	University Police			25	
Sum of Department (University Police)					Award Count: 1.00	\$100,000
Sum of College (Public Safety)					Award Count: 2.00	\$307,200

Research & Sponsored Programs MC

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Department of Lab Animal Resources						
N-130231-01	Health Sciences Bioresearch Lab	No	\$6,831,000	\$0	\$6,831,000	\$0
<i>8/1/23 to 7/31/27 National Institute of Standards and Technology</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Huntley, Jason F.	Med Microbiology & Immunology, Department of				
PI/PD	Root, Lisa Jane	Department of Lab Animal Resources			0	
Co-PI	Wooten, Ronald Mark	Med Microbiology & Immunology, Department of			100	
Sum of Department (Department of Lab Animal Resources)					Award Count: 0.00	\$0

Research & Sponsored Programs

Research & Sponsored Programs MC

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Research & Sponsored Programs							
C-127707-04	Biodesign-based learning platform fortified with clinical immersion and medical device commercialization pathway		No	\$40,000	\$3,200	\$43,200	\$4,320
<i>8/1/23 to 7/31/24</i>	<i>National Institute of Biomedical Imaging & Bioengineering</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, Departm			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		
C-128329-03	NSF I-Corps Hub: Great Lakes Region		No	\$41,876	\$10,888	\$52,764	\$0
<i>1/1/24 to 12/31/24</i>	<i>National Science Foundation through University of Michigan</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Departm			100		
Dir Ctr/Inst	Rapino, Norman	Research & Sponsored Programs			0		
N-600336-01	APEX Accelerator Program		No	\$82,000	\$0	\$82,000	\$82,000
<i>4/1/24 to 3/31/25</i>	<i>U.S. Department of Defense through Ohio Department of Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Moore, Pamela Jean	Research & Sponsored Programs			100		
Sum of Department (Research & Sponsored Programs)					Award Count: 1.10		\$86,320
Sum of College (Research & Sponsored Programs MC)					Award Count: 1.10		\$86,320

Student Affairs

This report does **not** show all projects that were active in FY24. 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>
Leadership UT							
N-600385-01	Partners in Prevention Programming		No	\$10,000	\$0	\$10,000	\$4,000
<i>6/4/24 to 5/1/25</i>	<i>Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Kupresanin, Brittany Seigneur	Title IX			60		
Co-PI	Zernechel, Alex	Leadership UT			40		
Sum of Department (Leadership UT)					Award Count: 0.40		\$4,000

Title IX

Student Affairs

This report does **not** show all projects that were active in FY24. 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>
Title IX						
N-600385-01	Partners in Prevention Programming	No	\$10,000	\$0	\$10,000	\$6,000
<i>6/4/24 to 5/1/25</i>	<i>Ohio Department of Higher Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kupresanin, Brittany Seigneur	Title IX	60			
Co-PI	Zernechel, Alex	Leadership UT	40			
Sum of Department (Title IX)			Award Count: 0.60		\$6,000	
Sum of College (Student Affairs)			Award Count: 1.00		\$10,000	
Grand Total:			Award Count: 371.00		\$73,113,477	