

The University of Toledo      Research and Sponsored Programs  
 FY 2019 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 FY19. 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>
<b>Catharine S. Eberly Center for Women</b>						
<b>N-127163-01</b>	<b>Global Minority Virtual Business Center</b>	<b>No</b>	<b>\$301,887</b>	<b>\$98,113</b>	<b>\$400,000</b>	<b>\$0</b>
<i>9/1/18 to 8/31/19</i>	<i>Minority Business Development Agency</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Gore, Shanda L.	Catharine S. Eberly Center for Women		0		
PI/PD	McKether, Willie L.	Sociology and Anthropology, Department of		100		
Sum of Department ( <b>Catharine S. Eberly Center for Women</b> )						Award Count: <b>0.00</b> <b>\$0</b>
<b>Economics, Department of</b>						
<b>N-127655-01</b>	<b>Economic Impact Analysis of TCF</b>	<b>No</b>	<b>\$31,599</b>	<b>\$3,160</b>	<b>\$34,759</b>	<b>\$34,759</b>
<i>6/1/19 to 6/30/20</i>	<i>Toledo Community Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Smirnov, Oleg A.	Economics, Department of		100		
Sum of Department ( <b>Economics, Department of</b> )						Award Count: <b>1.00</b> <b>\$34,759</b>
<b>English, Department of</b>						
<b>N-127562-01</b>	<b>Assessment, Accreditation and Faculty Development</b>	<b>No</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$25,000</b>
<i>3/1/19 to 12/31/20</i>	<i>Association of Public and Land Grant Universities</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Schneider, Barbara J.	English, Department of		100		
Sum of Department ( <b>English, Department of</b> )						Award Count: <b>1.00</b> <b>\$25,000</b>
<b>Geography and Planning, Department of</b>						
<b>C-124355-03</b>	<b>Support for the UT Urban Affairs Center</b>	<b>No</b>	<b>\$45,454</b>	<b>\$4,546</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>7/1/17 to 6/30/20</i>	<i>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		
<b>C-124355-03-I01</b>	<b>Support for the UT Urban Affairs Center</b>	<b>No</b>	<b>\$45,454</b>	<b>\$4,546</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>7/1/18 to 6/30/20</i>	<i>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		

# 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>
<b>Geography and Planning, Department of</b>								
<b>C-125107-04</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>			<b>No</b>	<b>\$636,628</b>	<b>\$302,399</b>	<b>\$939,027</b>	<b>\$563,416</b>
<i>1/4/19 to 1/3/20</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				60		
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of				20		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of				20		
<b>C-125107-05</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>			<b>No</b>	<b>\$410,178</b>	<b>\$194,834</b>	<b>\$605,012</b>	<b>\$363,007</b>
<i>1/4/19 to 1/3/21</i>	<i>National Aeronautics and Space Administration</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of				60		
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of				20		
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of				20		
<b>C-125855-02</b>	<b>Industry Clusters and Location of Agriculture: Establishing a Theoretical Base for Economic Development Practice</b>			<b>No</b>	<b>\$5,600</b>	<b>\$2,400</b>	<b>\$8,000</b>	<b>\$8,000</b>
<i>8/1/18 to 7/31/19</i>	<i>U.S. Department of Agriculture through Rutgers University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
Co-PI	Reid, Neil	Geography and Planning, Department of				100		
<b>N-127175-01</b>	<b>Addressing Environmental Challenges and Proposing Sustainable Solutions at the Lake Erie Land-Lake Interface</b>			<b>No</b>	<b>\$330,225</b>	<b>\$16,311</b>	<b>\$346,536</b>	<b>\$103,961</b>
<i>2/15/19 to 1/31/22</i>	<i>National Science Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Refsnider-Streby, Jeanine	Environmental Sciences, Department of				30		
PI/PD	Refsnider-Streby, Jeanine	Lake Erie Soil and Water Research and Education Center				20		
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of				30		
Co-PI	Czajkowski, Kevin Paul	Lake Erie Soil and Water Research and Education Center				20		
<b>N-127189-01</b>	<b>Engaging Students and Teachers Through GLOBE: Authentic Watershed Studies in the Maumee and Lake Erie Watersheds</b>			<b>No</b>	<b>\$55,601</b>	<b>\$10,296</b>	<b>\$65,897</b>	<b>\$65,897</b>
<i>1/1/19 to 6/30/20</i>	<i>National Oceanic and Atmospheric Administration</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of				100		
<b>N-127406-01</b>	<b>Poverty Study for the City of Toledo and Lucas County</b>			<b>No</b>	<b>\$18,250</b>	<b>\$1,825</b>	<b>\$20,075</b>	<b>\$20,075</b>
<i>3/15/19 to 1/31/20</i>	<i>City of Toledo</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Shetty, Sujata	Geography and Planning, Department of				100		
Co-I	Hammel, Daniel J.	Geography and Planning, Department of						
Sum of Department ( <b>Geography and Planning, Department</b> )					Award Count: <b>6.50</b>		<b>\$1,224,356</b>	

# Arts and Letters, College of

This report does **not** show all projects that were active in FY19. 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>
<b>Psychology, Department of</b>						
<b>C-125299-03</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$364,491</b>	<b>\$142,231</b>	<b>\$506,722</b>	
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		
Stdnt Schol	Christ, Nicole Marie	Psychiatry, Department of				
Stdnt Schol	Cotton, Andrew Stephen	Psychiatry, Department of				
Stdnt Schol	Dempsey, Abigail Elizabeth	Psychiatry, Department of				
Stdnt Schol	Duff, Joseph Robert	Psychiatry, Department of				
Stdnt Schol	Forbes, Courtney N.	Psychiatry, Department of				
Stdnt Schol	Grau, Aaron Scott	Psychiatry, Department of				
Stdnt Schol	Harless, Nicole Ann	Psychiatry, Department of				
Stdnt Schol	Ickes, Jessica R.	Psychiatry, Department of				
Stdnt Schol	Lu, Christine	Psychiatry, Department of				
Stdnt Schol	Lyu, Xin	Psychiatry, Department of				
Stdnt Schol	Mathews, Jeremy	Psychiatry, Department of				
Stdnt Schol	McDaniel, Mitchell Andre	Psychiatry, Department of				
Stdnt Schol	O'Leary, Brian M.	Psychiatry, Department of				
Stdnt Schol	Radabaugh, Jacob John	Psychiatry, Department of				
Stdnt Schol	Sood, Ambika	Psychiatry, Department of				
Stdnt Schol	Walkosz, Macie	Psychiatry, Department of				
<b>C-125299-03-I01</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$121,497</b>	<b>\$47,411</b>	<b>\$168,908</b>	
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		

## 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>
<b>Psychology, Department of</b>						
<b>C-125763-04</b>	<b>Implicit Measurement of Motivations for Non-Suicidal Self-Injury</b>	<b>No</b>	<b>\$58,154</b>	<b>\$0</b>	<b>\$58,154</b>	<b>\$58,154</b>
<i>7/1/18 to 6/30/19 Canadian Institutes of Health Research through Simon Fraser University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gratz, Kim L.	Psychology, Department of	70			
Co-PI	Tull, Matthew T.	Psychology, Department of	30			
<b>N-126908-01</b>	<b>Transactional neurobiological influences on parent-child kindergarten adjustment</b>	<b>No</b>	<b>\$49,926</b>	<b>\$24,713</b>	<b>\$74,639</b>	<b>\$74,639</b>
<i>6/1/19 to 12/31/21 National Institutes of Health through Miami University (Ohio)</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gratz, Kim L.	Psychology, Department of	100			
Sum of Department ( <b>Psychology, Department of</b> )						Award Count: <b>2.00</b>
						<b>\$132,793</b>
<b>Sociology and Anthropology, Department of</b>						
<b>N-127163-01</b>	<b>Global Minority Virtual Business Center</b>	<b>No</b>	<b>\$301,887</b>	<b>\$98,113</b>	<b>\$400,000</b>	<b>\$400,000</b>
<i>9/1/18 to 8/31/19 Minority Business Development Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gore, Shanda L.	Catharine S. Eberly Center for Women	0			
PI/PD	McKether, Willie L.	Sociology and Anthropology, Department of	100			
<b>N-127230-01</b>	<b>The Student Experience at University of Toledo: Advancing Equity by Design</b>	<b>No</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$50,000</b>
<i>1/1/19 to 8/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	50			
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	30			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	20			
<b>S-125649-01-S1</b>	<b>Collaborative Research: Research Initiation: Factors Affecting Underrepresented Minority Student Success and Pathways to Engineering Careers at Majority and Minority Institutions</b>	<b>No</b>	<b>\$16,188</b>	<b>\$8,013</b>	<b>\$24,201</b>	<b>\$7,986</b>
<i>9/1/18 to 9/30/19 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	34			
Co-I	Kumar, Revathy	Educational Foundations and Leadership	33			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	33			
Sum of Department ( <b>Sociology and Anthropology, Departm</b> )						Award Count: <b>1.53</b>
						<b>\$457,986</b>
Sum of College ( <b>Arts and Letters, College of</b> )						Award Count: <b>12.03</b>
						<b>\$1,874,895</b>

## Business And Innovation, College of

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					<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Dean-Business College</b>									
<b>N-127424-01</b>	<b>Fiat Chrysler Workforce Development</b>			<b>No</b>	<b>\$328,551</b>	<b>\$48,196</b>	<b>\$376,747</b>	<b>\$263,723</b>	
<i>2/1/19 to 6/30/19</i>	<i>U.S. Department of Labor through Fiat Chrysler America</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>				
PI/PD	Kunnathur, Anand S.	Dean-Business College			70				
Co-I	Sundararaghavan, P. S.	Information Operations and Technology Management			30				
Sum of Department ( <b>Dean-Business College</b> )					Award Count: <b>0.70</b>		<b>\$263,723</b>		
<b>Information Operations and Technology Management</b>									
<b>N-127424-01</b>	<b>Fiat Chrysler Workforce Development</b>			<b>No</b>	<b>\$328,551</b>	<b>\$48,196</b>	<b>\$376,747</b>	<b>\$113,024</b>	
<i>2/1/19 to 6/30/19</i>	<i>U.S. Department of Labor through Fiat Chrysler America</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>				
PI/PD	Kunnathur, Anand S.	Dean-Business College			70				
Co-I	Sundararaghavan, P. S.	Information Operations and Technology Management			30				
Sum of Department ( <b>Information Operations and Technolog</b> )					Award Count: <b>0.30</b>		<b>\$113,024</b>		
<b>Management, Department of</b>									
<b>N-127191-01</b>	<b>Workforce Engagement Survey</b>			<b>No</b>	<b>\$8,636</b>	<b>\$864</b>	<b>\$9,500</b>	<b>\$9,500</b>	
<i>8/10/18 to 2/28/19</i>	<i>City of Toledo</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>				
PI/PD	Hopkins, Margaret	Management, Department of			100				
Sum of Department ( <b>Management, Department of</b> )					Award Count: <b>1.00</b>		<b>\$9,500</b>		
Sum of College ( <b>Business And Innovation, College of</b> )					Award Count: <b>2.00</b>		<b>\$386,247</b>		

## 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>
<b>Curriculum and Instruction, Department of</b>									
<b>C-125107-04</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>			<b>No</b>	<b>\$636,628</b>	<b>\$302,399</b>	<b>\$939,027</b>	<b>\$187,805</b>	
<i>1/4/19 to 1/3/20</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			60				
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of			20				
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of			20				

## Education - Judith Herb College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Curriculum and Instruction, Department of</b>						
<b>C-125107-05</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>	No	\$410,178	\$194,834	\$605,012	\$121,002
<i>1/4/19 to 1/3/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of	60			
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of	20			
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of	20			
<b>C-125284-04</b>	<b>Northwest Ohio High Schools That Work/Tech Prep</b>	No	\$386,944	\$30,956	\$417,900	\$417,900
<i>7/1/18 to 6/30/19 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wilson, Kathy S.	Curriculum and Instruction, Department of	96			
Co-I	Landversicht, Eric D.	Curriculum and Instruction, Department of	4			
<b>C-126050-02</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	No	\$770,671	\$216,681	\$987,352	\$197,470
<i>8/13/18 to 8/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Hagood, Susanna	Curriculum and Instruction, Department of	20			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
<b>C-126050-03</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	No	\$212,282	\$62,833	\$275,115	\$55,023
<i>8/22/18 to 8/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
Co-I	Hagood, Susanna	Curriculum and Instruction, Department of	20			
<b>C-126446-02</b>	<b>Design, Develop, and Pilot Implementation of An Integrated Dual Licensure (Middle Grades and Intervention Specialist) Teacher Education and Master's Degree Program</b>	No	\$92,543	\$7,403	\$99,946	\$49,973
<i>7/1/18 to 6/30/19 Ohio Deans Compact on Exceptional Children through University of Cincinnati</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Templin, Mark Arnold	Curriculum and Instruction, Department of	25			
Co-I	Denyer, Jenny	Curriculum and Instruction, Department of	25			
Co-I	Devlin, Patricia	Early Childhood, Physical, and Special Education	25			
Co-I	Rosser Sandt, Dawn D'Ann	Early Childhood, Physical, and Special Education	25			
<b>C-127048-02</b>	<b>SuccessBound Conference - Northwest Ohio Tech Prep</b>	No	\$6,945	\$555	\$7,500	\$7,500
<i>7/1/18 to 6/30/19 Ohio Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wilson, Kathy S.	Curriculum and Instruction, Department of	96			
Co-I	Landversicht, Eric D.	Curriculum and Instruction, Department of	4			

## Education - Judith Herb College of

This report does **not** show all projects that were active in FY19. 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
<b>Curriculum and Instruction, Department of</b>						
<b>R-106314-20</b>	<b>CTE Teacher Preparation and Retention</b>	No	\$100,000	\$0	\$100,000	\$100,000
7/1/18 to 6/30/19 U.S. Department of Education through Ohio Department of Education						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Landversicht, Eric D.	Curriculum and Instruction, Department of	100			
<b>R-126554-02</b>	<b>Tech Prep Pathways Grant</b>	No	\$317,877	\$0	\$317,877	\$317,877
7/1/18 to 9/30/19 Ohio Department of Education						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Wilson, Kathy S.	Curriculum and Instruction, Department of	96			
Co-I	Landversicht, Eric D.	Curriculum and Instruction, Department of	4			
Sum of Department (Curriculum and Instruction, Departme						Award Count: 5.30
						\$1,454,551
<b>Early Childhood, Physical, and Special Education</b>						
<b>C-125940-03</b>	<b>Project Open House-Better Child Care for the Student with Developmental Disabilities</b>	No	\$45,455	\$4,545	\$50,000	\$50,000
1/1/19 to 12/31/19 Administration for Children and Families through Ohio Developmental Disabilities Planning Council						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education	50			
Co-I	McInerney, William F.	Early Childhood, Physical, and Special Education	50			
<b>C-126446-02</b>	<b>Design, Develop, and Pilot Implementation of An Integrated Dual Licensure (Middle Grades and Intervention Specialist) Teacher Education and Master's Degree Program</b>	No	\$92,543	\$7,403	\$99,946	\$49,973
7/1/18 to 6/30/19 Ohio Deans Compact on Exceptional Children through University of Cincinnati						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Templin, Mark Arnold	Curriculum and Instruction, Department of	25			
Co-I	Denyer, Jenny	Curriculum and Instruction, Department of	25			
Co-I	Devlin, Patricia	Early Childhood, Physical, and Special Education	25			
Co-I	Rosser Sandt, Dawn D'Ann	Early Childhood, Physical, and Special Education	25			
<b>N-127201-01</b>	<b>Great Start Higher Education (GSHE)</b>	No	\$138,889	\$11,111	\$150,000	\$150,000
1/1/19 to 12/31/19 U.S. Department of Education						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education	100			
Statistician	Fox, Christine	Educational Foundations and Leadership				
<b>N-127664-01</b>	<b>Graduate Students' International Involvements and Their Orientation towards Social Responsibility</b>	No	\$1,500	\$0	\$1,500	\$1,500
4/1/19 to 5/15/19 American College Personnel Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Slantcheva-Durst, Snejana I.	Early Childhood, Physical, and Special Education	100			

## 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>
<b>Sum of Department (Early Childhood, Physical, and Specia</b>		Award Count: <b>3.50</b>			<b>\$251,473</b>	
<b>Educational Foundations and Leadership</b>						
<b>N-127201-01</b>	<b>Great Start Higher Education (GSHE)</b>	<b>No</b>	<b>\$138,889</b>	<b>\$11,111</b>	<b>\$150,000</b>	
<i>1/1/19 to 12/31/19</i>	<i>U.S. Department of Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dinnebeil, Laurie A.	Early Childhood, Physical, and Special Education	100			
Statistician	Fox, Christine	Educational Foundations and Leadership				
<b>S-125649-01-S1</b>	<b>Collaborative Research: Research Initiation: Factors Affecting Underrepresented Minority Student Success and Pathways to Engineering Careers at Majority and Minority Institutions</b>	<b>No</b>	<b>\$16,188</b>	<b>\$8,013</b>	<b>\$24,201</b>	<b>\$7,986</b>
<i>9/1/18 to 9/30/19</i>	<i>National Science Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	34			
Co-I	Kumar, Revathy	Educational Foundations and Leadership	33			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	33			
<b>Sum of Department (Educational Foundations and Leaders</b>		Award Count: <b>0.33</b>			<b>\$7,986</b>	
<b>Sum of College (Education - Judith Herb College of)</b>		Award Count: <b>9.13</b>			<b>\$1,714,011</b>	

## 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>
<b>Administration, College of Engineering</b>						
<b>C-126050-02</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	<b>No</b>	<b>\$770,671</b>	<b>\$216,681</b>	<b>\$987,352</b>	<b>\$740,514</b>
<i>8/13/18 to 8/31/21</i>	<i>National Science Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Hapgood, Susanna	Curriculum and Instruction, Department of	20			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
<b>C-126050-03</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	<b>No</b>	<b>\$212,282</b>	<b>\$62,833</b>	<b>\$275,115</b>	<b>\$206,336</b>
<i>8/22/18 to 8/31/21</i>	<i>National Science Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of	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>
<b>Administration, College of Engineering</b>							
<b>N-127865-01</b>	<b>Dana contract: Vehicle Mechatronics Certificate Program</b>		<b>No</b>	<b>\$296,226</b>	<b>\$22,774</b>	<b>\$319,000</b>	<b>\$31,900</b>
<i>5/25/19 to 12/31/21 Dana Corporation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of				80	
Co-I	Hefzy, Mohamed Samir	Administration, College of Engineering				10	
Co-I	Relue, Patricia Ann	Bioengineering, Department of				10	
Co-I	Schroeder, Adam Michael	Mechanical, Industrial, and Manufacturing Engineering, Department of					
<b>S-126452-01-S1</b>	<b>Understanding How Integrated Computational Thinking, Engineering Design, and Mathematics Can Help Students Solve Scientific and Technical Problems in Career Technical Education</b>		<b>No</b>	<b>\$99,838</b>	<b>\$37,193</b>	<b>\$137,031</b>	<b>\$41,109</b>
<i>8/29/18 to 8/31/20 National Science Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Oluoch, Jared Onyango	Engineering Technology, Department of				40	
Co-PI	Czerniak, Charlene M.	Administration, College of Engineering				30	
Co-PI	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of				30	
Stdnt Schol	Majumder, Subhrajit	Electrical Engineering and Computer Science, Department of					
Sum of Department ( <b>Administration, College of Engineering</b> ) Award Count: <b>1.90</b>							<b>\$1,019,860</b>
<b>Bioengineering, Department of</b>							
<b>C-124228-05</b>	<b>Collaborative Research: I/UCRC for Technology Innovation for Novel Cost-Reducing and Quality-Enhancing Musculoskeletal Therapies</b>		<b>No</b>	<b>\$46,332</b>	<b>\$13,668</b>	<b>\$60,000</b>	<b>\$60,000</b>
<i>4/1/18 to 6/30/20 National Science Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Goel, Vijay K.	Bioengineering, Department of				70	
Co-I	Agarwal, Anand Kumar	Bioengineering, Department of				30	
Stdnt Schol	Dhar, Sarit	Bioengineering, Department of					
Stdnt Schol	Kaeley, Dilpreet Kaur	Bioengineering, Department of					
Stdnt Schol	Kumaran, Yogesh	Bioengineering, Department of					
<b>C-124228-05-W1</b>	<b>I/UCRC: Biomechanical Evaluation of the Newly Developed Decompression Surgery Transforaminal Ventral Facetectomy</b>		<b>No</b>	<b>\$36,363</b>	<b>\$3,637</b>	<b>\$40,000</b>	<b>\$40,000</b>
<i>4/1/18 to 3/31/19 Johnson &amp; Johnson</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Goel, Vijay K.	Bioengineering, Department of				100	
<b>C-124228-05-W10</b>	<b>I/UCRC: OsteoNovus ENG2019081</b>		<b>No</b>	<b>\$36,364</b>	<b>\$3,636</b>	<b>\$40,000</b>	<b>\$40,000</b>
<i>2/22/19 to 12/31/19 OsteoNovus, LLC</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Goel, Vijay K.	Bioengineering, Department of				100	

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Bioengineering, Department of</b>						
<b>C-124228-05-W5</b>	<b>I/UCRC: Transporter Bed System</b>	No	\$31,819	\$3,181	\$35,000	\$35,000
6/12/18 to 12/31/19	Spider Spine					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
<b>C-124228-05-W7</b>	<b>I/UCRC: Graham Medical Technologies ENG2018129</b>	No	\$9,091	\$909	\$10,000	\$10,000
7/18/18 to 12/31/19	Graham Medical Technologies, Inc.					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
<b>C-124228-05-W8</b>	<b>I/UCRC: Spinal Balance ENG2019012</b>	No	\$36,364	\$3,636	\$40,000	\$40,000
8/15/18 to 12/31/19	Spinal Balance					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
<b>C-124228-05-W9</b>	<b>I/UCRC: Spinal Balance ENG2019059</b>	No	\$36,364	\$3,636	\$40,000	\$40,000
11/21/18 to 12/31/19	Spinal Balance					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	100			
<b>C-125787-02</b>	<b>COE for Human Performance and Health Science Sweat Biosensing</b>	No	\$28,061	\$3,612	\$31,673	\$31,673
9/19/18 to 5/20/19	Ohio Federal Research Network through University of Cincinnati					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Cameron, Brent D.	Bioengineering, Department of	100			
<b>C-126050-02</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	No	\$770,671	\$216,681	\$987,352	\$49,368
8/13/18 to 8/31/21	National Science Foundation					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Hapgood, Susanna	Curriculum and Instruction, Department of	20			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
<b>C-126050-03</b>	<b>NURTURES Phase II: Expansion and Evaluation</b>	No	\$212,282	\$62,833	\$275,115	\$13,756
8/22/18 to 8/31/21	National Science Foundation					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Czerniak, Charlene M.	Administration, College of Engineering	75			
Co-PI	Molitor, Scott C.	Bioengineering, Department of	5			
Co-I	Hapgood, Susanna	Curriculum and Instruction, Department of	20			

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Bioengineering, Department of</b>						
<b>C-126067-02</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	No	\$70,556	\$34,925	\$105,481	\$31,644
8/1/18 to 1/31/21	National Science Foundation					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of		70		
Co-PI	Goel, Vijay K.	Bioengineering, Department of		30		
<b>C-126067-03</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	No	\$72,467	\$35,871	\$108,338	\$75,837
8/14/18 to 1/31/21	National Science Foundation					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of		70		
Co-PI	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of		30		
<b>C-126326-02</b>	<b>Choose Ohio First</b>	No	\$527,728	\$0	\$527,728	\$527,728
7/1/18 to 6/30/19	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		
<b>C-126736-02</b>	<b>Regionally Aligned Priorities in Delivering Skills (RAPIDS 3.0)</b>	No	\$361,749	\$0	\$361,749	\$238,754
12/25/18 to 12/31/21	Ohio Department of Higher Education					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lawrence, Joseph G.	Polymer Institute		34		
Co-I	Cameron, Brent D.	Bioengineering, Department of		33		
Co-I	Relue, Patricia Ann	Bioengineering, Department of		33		
<b>N-127222-01</b>	<b>Incorporating Active Apex Correction alongside Guided Growth Technique: Avoiding Risky Osteotomies and the Loss of Correction in Early Onset Scoliosis</b>	No	\$33,433	\$16,549	\$49,982	\$49,982
5/15/19 to 5/14/22	Medtronic, Inc.					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of		100		
<b>N-127471-01</b>	<b>Dynamic Compression Testing</b>	No	\$3,925	\$1,275	\$5,200	\$5,200
2/1/19 to 1/31/20	CoreLink Surgical					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Goel, Vijay K.	Bioengineering, Department of		100		
<b>N-127865-01</b>	<b>Dana contract: Vehicle Mechatronics Certificate Program</b>	No	\$296,226	\$22,774	\$319,000	\$31,900
5/25/19 to 12/31/21	Dana Corporation					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of		80		
Co-I	Hefzy, Mohamed Samir	Administration, College of Engineering		10		
Co-I	Relue, Patricia Ann	Bioengineering, Department of		10		
Co-I	Schroeder, Adam Michael	Mechanical, Industrial, and Manufacturing Engineering, 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>
<b>Bioengineering, Department of</b>						
<b>S-126067-01-S1</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	<b>No</b>	<b>\$21,723</b>	<b>\$10,753</b>	<b>\$32,476</b>	
<i>7/27/18 to 1/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
Co-PI	Goel, Vijay K.	Bioengineering, Department of				
Stdnt Schol	Sikder, Prabaha	Mechanical, Industrial, and Manufacturing Engineering, Department of				
Sum of Department ( <b>Bioengineering, Department of</b> ) Award Count: <b>12.86</b>						<b>\$1,320,842</b>
<b>Chemical and Environmental Engineering, Department of</b>						
<b>C-125107-04</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>	<b>No</b>	<b>\$636,628</b>	<b>\$302,399</b>	<b>\$939,027</b>	<b>\$187,805</b>
<i>1/4/19 to 1/3/20 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			60	
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of			20	
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of			20	
<b>C-125107-05</b>	<b>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</b>	<b>No</b>	<b>\$410,178</b>	<b>\$194,834</b>	<b>\$605,012</b>	<b>\$121,002</b>
<i>1/4/19 to 1/3/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Czajkowski, Kevin Paul	Geography and Planning, Department of			60	
Co-I	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of			20	
Co-I	Templin, Mark Arnold	Curriculum and Instruction, Department of			20	
<b>N-125817-02-W12</b>	<b>The University of Toledo Rocket Fuel Fund--Free Radical Sending Device</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>3/1/18 to 4/30/19 Economic Development Administration through University of Toledo, Main Campus</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kim, Dong Shik	Chemical and Environmental Engineering, Department of			50	
Co-I	Chakravarti, Ritu	Surgery, Department of			50	
<b>N-126633-01</b>	<b>Electrochemical Interaction of Nano-Cerium Oxide Composites with Hydroxyl Radicals</b>	<b>No</b>	<b>\$200,668</b>	<b>\$99,332</b>	<b>\$300,000</b>	<b>\$300,000</b>
<i>7/1/18 to 6/30/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Alba Rubio, Ana Carolina	Chemical and Environmental Engineering, Department of			50	
Co-I	Kim, Dong Shik	Chemical and Environmental Engineering, Department of			50	

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Chemical and Environmental Engineering, Department of</b>						
<b>N-127075-01</b>	<b>Nitrogen enriched air module design and fabrication</b>	No	\$28,751	\$14,231	\$42,982	\$42,982
9/10/18 to 2/28/19 <i>Nissan Motor Co., Ltd.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of	100			
<b>N-127158-01</b>	<b>CAREER: Dual Function Materials for Capture and Conversion of CO2 into Methanol and Higher Alcohols</b>	No	\$379,018	\$179,777	\$558,795	\$558,795
3/1/19 to 2/29/24 <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Alba Rubio, Ana Carolina	Chemical and Environmental Engineering, Department of	100			
Stdnt Schol	Allen, Bryan J.	Chemical and Environmental Engineering, Department of				
Stdnt Schol	Steiner, Joshua B.	Chemical and Environmental Engineering, Department of				
Stdnt Schol	Walz, Sarah Ann	Chemical and Environmental Engineering, Department of				
<b>N-127625-01</b>	<b>Ohio I-Corps Program</b>	No	\$13,500	\$1,500	\$15,000	\$7,500
4/1/19 to 10/31/19 <i>Ohio Department of Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Park, Joshua Jin-Hyouk	Neurosciences, Department of	50			
Co-PI	Kim, Dong Shik	Chemical and Environmental Engineering, Department of	50			
<b>R-127075-02</b>	<b>Nitrogen enriched air module design and fabrication</b>	No	\$42,707	\$21,140	\$63,847	\$63,847
2/7/19 to 3/15/20 <i>Nissan Motor Co., Ltd.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lipscomb, Glenn	Chemical and Environmental Engineering, Department of	100			
<b>S-125358-01-S2</b>	<b>GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment - REU</b>	No	\$6,000	\$0	\$6,000	
7/9/18 to 8/31/19 <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Seo, Youngwoo	Civil Engineering, Department of	100			
Stdnt Schol	Murry-Howard, Cordaro LeNigel	Chemical and Environmental Engineering, Department of				
Sum of Department (Chemical and Environmental Engineer						Award Count: 5.40
						\$1,281,932
<b>Civil Engineering, Department of</b>						
<b>C-126299-02-W3</b>	<b>Transportation Asset Management</b>	No	\$70,205	\$28,147	\$98,352	\$98,352
4/15/19 to 10/26/20 <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	Chou, Eddie Yein-Juin	Civil Engineering, Department of	100			
Stdnt Schol	Champion, James Richard	Civil Engineering, Department of				
Stdnt Schol	Khadka, Prakash	Civil Engineering, Department of				

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Civil Engineering, Department of</b>						
<b>C-126299-02-W4</b>	<b>Transportation Asset Management</b>	No	\$13,789	\$6,032	\$19,821	\$19,821
6/1/19 to 10/26/20 U.S. Department of Transportation through Ohio Department of Transportation						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Chou, Eddie Yein-Juin	Civil Engineering, Department of			100	
Stdnt Schol	Champion, James Richard	Electrical Engineering and Computer Science, Department of				
Stdnt Schol	Degroot, Jennifer	Civil Engineering, Department of				
Stdnt Schol	Khadka, Prakash	Civil Engineering, Department of				
<b>R-105227-24</b>	<b>Indoor Radon</b>	No	\$30,000	\$0	\$30,000	\$30,000
10/1/18 to 9/30/19 U.S. Environmental Protection Agency through Ohio Department of Health						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kumar, Ashok	Civil Engineering, Department of			100	
<b>R-106736-18</b>	<b>The University of Toledo Pollution Prevention Grant Proposal</b>	No	\$84,043	\$29,102	\$113,145	\$90,516
10/1/18 to 9/30/20 U.S. Environmental Protection Agency						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kumar, Ashok	Civil Engineering, Department of			80	
Co-I	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of			20	
<b>R-106736-18-101</b>	<b>The University of Toledo Pollution Prevention Grant Proposal</b>	No	\$68,275	\$33,795	\$102,070	\$81,656
5/9/19 to 9/30/20 U.S. Environmental Protection Agency						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kumar, Ashok	Civil Engineering, Department of			80	
Co-I	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of			20	
<b>S-125358-01-S2</b>	<b>GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment - REU</b>	No	\$6,000	\$0	\$6,000	\$6,000
7/9/18 to 8/31/19 National Science Foundation						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Seo, Youngwoo	Civil Engineering, Department of			100	
Stdnt Schol	Murry-Howard, Cordaro LeNigel	Chemical and Environmental Engineering, Department of				
<b>S-125358-01-S3</b>	<b>GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment - REU</b>	No	\$12,000	\$0	\$12,000	\$12,000
6/25/19 to 8/31/19 National Science Foundation						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Seo, Youngwoo	Civil Engineering, Department of			100	
Stdnt Schol	Briese, Emily Anne	Civil Engineering, Department of				
Stdnt Schol	Hoffman, Kennedy	Civil Engineering, Department of				
Stdnt Schol	Holt, Mathieu Killian	Chemistry and Biochemistry, Department of				
Stdnt Schol	Johnson, Xavier Cherie	Civil Engineering, 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>
<b>Civil Engineering, Department of</b>						
<b>S-125358-01-W1</b>	<b>GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment--INTERN</b>	<b>No</b>	<b>\$25,252</b>	<b>\$6,566</b>	<b>\$31,818</b>	<b>\$31,818</b>
<i>11/19/18 to 2/29/20 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Seo, Youngwoo	Civil Engineering, Department of			100	
Sum of Department (Civil Engineering, Department of) Award Count: 7.60						<b>\$370,163</b>

## Electrical Engineering and Computer Science, Department of

<b>C-125299-03</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$364,491</b>	<b>\$142,231</b>	<b>\$506,722</b>	<b>\$5,067</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of			89	
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of			10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1	
Stdnt Schol	Christ, Nicole Marie	Psychiatry, Department of				
Stdnt Schol	Cotton, Andrew Stephen	Psychiatry, Department of				
Stdnt Schol	Dempsey, Abigail Elizabeth	Psychiatry, Department of				
Stdnt Schol	Duff, Joseph Robert	Psychiatry, Department of				
Stdnt Schol	Forbes, Courtney N.	Psychiatry, Department of				
Stdnt Schol	Grau, Aaron Scott	Psychiatry, Department of				
Stdnt Schol	Harless, Nicole Ann	Psychiatry, Department of				
Stdnt Schol	Ickes, Jessica R.	Psychiatry, Department of				
Stdnt Schol	Lu, Christine	Psychiatry, Department of				
Stdnt Schol	Lyu, Xin	Psychiatry, Department of				
Stdnt Schol	Mathews, Jeremy	Psychiatry, Department of				
Stdnt Schol	McDaniel, Mitchell Andre	Psychiatry, Department of				
Stdnt Schol	O'Leary, Brian M.	Psychiatry, Department of				
Stdnt Schol	Radabaugh, Jacob John	Psychiatry, Department of				
Stdnt Schol	Sood, Ambika	Psychiatry, Department of				
Stdnt Schol	Walkosz, Macie	Psychiatry, 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>
<b>Electrical Engineering and Computer Science, Department of</b>						
<b>C-125299-03-I01</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$121,497</b>	<b>\$47,411</b>	<b>\$168,908</b>	<b>\$1,689</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rapport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		
<b>C-125434-02-A2</b>	<b>High Temperature Magnetic Materials</b>	<b>No</b>	<b>\$(4,167)</b>	<b>\$(833)</b>	<b>\$(5,000)</b>	<b>\$(1,650)</b>
<i>7/17/18 to 9/15/18 Ohio Federal Research Network through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of		34		
Co-I	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of		33		
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of		33		
<b>C-125625-02</b>	<b>Intelligent Channel Sensing Based Secure Cross Layer Cognitive Networking for Resilient Space Communication</b>	<b>No</b>	<b>\$84,751</b>	<b>\$15,249</b>	<b>\$100,000</b>	<b>\$100,000</b>
<i>8/15/18 to 5/31/19 Ohio Department of Higher Education through Wright State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
Co-PI	Devabhaktuni, Vijaya Kumar	Electrical Engineering and Computer Science, Department of		50		
Co-PI	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of		50		
<b>C-126299-02-W4</b>	<b>Transportation Asset Management</b>	<b>No</b>	<b>\$13,789</b>	<b>\$6,032</b>	<b>\$19,821</b>	
<i>6/1/19 to 10/26/20 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 Engineering, Department of		100		
Stdnt Schol	Champion, James Richard	Electrical Engineering and Computer Science, Department of				
Stdnt Schol	Degroot, Jennifer	Civil Engineering, Department of				
Stdnt Schol	Khadka, Prakash	Civil Engineering, Department of				
<b>C-126463-02</b>	<b>Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications</b>	<b>No</b>	<b>\$83,664</b>	<b>\$41,414</b>	<b>\$125,078</b>	<b>\$125,078</b>
<i>8/1/18 to 7/30/21 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of		100		

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Electrical Engineering and Computer Science, Department of</b>						
<b>N-126463-01</b>	<b>Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications</b>	No	\$48,322	\$23,920	\$72,242	\$72,242
<i>8/1/18 to 7/30/19 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of			100	
<b>N-126469-01</b>	<b>CRII: III: Generative Models for Robust Real-Time Analysis of Complex Dynamic Networks</b>	No	\$116,773	\$57,803	\$174,576	\$174,576
<i>7/1/18 to 6/30/20 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			100	
<b>N-126930-01</b>	<b>ATD: Collaborative Research: Spatio-temporal data analysis with dynamic network models</b>	No	\$25,021	\$12,385	\$37,406	\$37,406
<i>8/1/18 to 7/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			100	
<b>N-126930-01-I01</b>	<b>ATD: Collaborative Research: Spatio-temporal data analysis with dynamic network models</b>	No	\$13,986	\$6,923	\$20,909	\$20,909
<i>8/1/18 to 7/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			100	
<b>N-127118-01</b>	<b>GaN-Based Power Bus Converter with Autonomous Control for Deep Space Small Spacecraft Power Subsystems</b>	No	\$26,756	\$13,244	\$40,000	\$40,000
<i>12/10/18 to 9/30/20 National Aeronautics and Space Administration through Jet Propulsion Laboratory</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Khanna, Raghav	Electrical Engineering and Computer Science, Department of			50	
Co-I	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of			50	
<b>N-127339-01</b>	<b>Transactive Campus</b>	No	\$167,155	\$82,742	\$249,897	\$74,969
<i>11/14/18 to 9/30/20 U.S. Department of Energy through Battelle</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of			40	
Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of			30	
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of			30	

## 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>	
<b>Electrical Engineering and Computer Science, Department of</b>								
<b>S-126452-01-S1</b>	<b>Understanding How Integrated Computational Thinking, Engineering Design, and Mathematics Can Help Students Solve Scientific and Technical Problems in Career Technical Education</b>		<b>No</b>	<b>\$99,838</b>	<b>\$37,193</b>	<b>\$137,031</b>	<b>\$41,109</b>	
<i>8/29/18 to 8/31/20</i>	<i>National Science Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Oluoch, Jared Onyango	Engineering Technology, Department of				40		
Co-PI	Czerniak, Charlene M.	Administration, College of Engineering				30		
Co-PI	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of				30		
Stdnt Schol	Majumder, Subhrajit	Electrical Engineering and Computer Science, Department of						
Sum of Department ( <b>Electrical Engineering and Computer S</b> )							Award Count: <b>7.95</b>	<b>\$691,396</b>
<b>Engineering Technology, Department of</b>								
<b>S-126452-01-S1</b>	<b>Understanding How Integrated Computational Thinking, Engineering Design, and Mathematics Can Help Students Solve Scientific and Technical Problems in Career Technical Education</b>		<b>No</b>	<b>\$99,838</b>	<b>\$37,193</b>	<b>\$137,031</b>	<b>\$54,812</b>	
<i>8/29/18 to 8/31/20</i>	<i>National Science Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Oluoch, Jared Onyango	Engineering Technology, Department of				40		
Co-PI	Czerniak, Charlene M.	Administration, College of Engineering				30		
Co-PI	Javaid, Ahmad Y.	Electrical Engineering and Computer Science, Department of				30		
Stdnt Schol	Majumder, Subhrajit	Electrical Engineering and Computer Science, Department of						
Sum of Department ( <b>Engineering Technology, Department</b> )							Award Count: <b>0.40</b>	<b>\$54,812</b>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>								
<b>C-119911-15</b>	<b>Turbomachinery Computational Aero-Acoustics Research</b>		<b>No</b>	<b>\$74,899</b>	<b>\$28,940</b>	<b>\$103,839</b>	<b>\$103,839</b>	
<i>8/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Department of				100		
<b>C-119911-16</b>	<b>Turbomachinery Computational Aero-Acoustics Research</b>		<b>No</b>	<b>\$100,863</b>	<b>\$33,747</b>	<b>\$134,610</b>	<b>\$134,610</b>	
<i>4/1/19 to 9/30/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Department of				100		
<b>C-123135-04</b>	<b>Small Turbine Institute Consortium</b>		<b>No</b>	<b>\$25,000</b>	<b>\$8,000</b>	<b>\$33,000</b>	<b>\$33,000</b>	
<i>7/1/18 to 6/30/19</i>	<i>Small Turbine Institute Consortium</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Afjeh, Abdollah A.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100		

## 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>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>							
<b>C-123604-12</b>	<b>VPL-12-051 Multistage Turbomachinery Advanced Computational Tool Development W141</b>		<b>No</b>	<b>\$246,710</b>	<b>\$49,342</b>	<b>\$296,052</b>	<b>\$296,052</b>
<i>8/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	
<b>C-123604-13</b>	<b>VPL-12-051 Multistage Turbomachinery Advanced Computational Tool Development W141</b>		<b>No</b>	<b>\$86,344</b>	<b>\$17,269</b>	<b>\$103,613</b>	<b>\$103,613</b>
<i>4/1/19 to 9/30/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	
<b>C-124162-05-S2</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>		<b>No</b>	<b>\$3,495</b>	<b>\$909</b>	<b>\$4,404</b>	<b>\$4,404</b>
<i>8/1/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	
<b>C-124162-05-S3</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>		<b>No</b>	<b>\$16,863</b>	<b>\$4,385</b>	<b>\$21,248</b>	<b>\$21,248</b>
<i>9/15/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	
<b>C-124162-06</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>		<b>No</b>	<b>\$19,179</b>	<b>\$4,986</b>	<b>\$24,165</b>	<b>\$24,165</b>
<i>10/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	
<b>C-124162-06-I01</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>		<b>No</b>	<b>\$19,179</b>	<b>\$4,986</b>	<b>\$24,165</b>	<b>\$24,165</b>
<i>11/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of				100	

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124162-06-I02</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$19,179	\$4,986	\$24,165	\$24,165
<i>11/28/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124162-06-I03</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$4,794	\$1,247	\$6,041	\$6,041
<i>12/21/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124162-06-I04</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$19,179	\$4,986	\$24,165	\$24,165
<i>1/30/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124162-06-I05</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$28,768	\$7,480	\$36,248	\$36,248
<i>2/20/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124162-06-I06</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$19,326	\$5,025	\$24,351	\$24,351
<i>3/29/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124162-06-S1</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$5,310	\$1,380	\$6,690	\$6,690
<i>4/11/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

# Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124162-06-W7</b>	<b>Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials</b>	No	\$45,094	\$11,725	\$56,819	\$56,819
5/3/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-05-S2</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$3,028	\$787	\$3,815	\$3,815
8/1/18 to 9/30/18	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-05-S3</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$14,788	\$3,845	\$18,633	\$18,633
9/15/18 to 9/30/18	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$17,544	\$4,561	\$22,105	\$22,105
10/1/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-S1</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$17,544	\$4,561	\$22,105	\$22,105
11/1/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-S2</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$17,544	\$4,561	\$22,105	\$22,105
11/28/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

# Engineering, College of

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<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124163-06-S3</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$4,386	\$1,140	\$5,526	\$5,526
12/21/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-S4</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$17,544	\$4,561	\$22,105	\$22,105
1/30/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-S5</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$25,810	\$6,710	\$32,520	\$32,520
2/20/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-S6</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$17,251	\$4,485	\$21,736	\$21,736
3/29/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124163-06-W7</b>	<b>Extended Durability of Materials in Aerospace Propulsion and Power Systems</b>	No	\$40,252	\$10,465	\$50,717	\$50,717
5/3/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-05-S2</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$12,391	\$3,222	\$15,613	\$15,613
8/1/18 to 9/30/18	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124164-06</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$13,693	\$3,560	\$17,253	\$17,253
10/1/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Balog, Karen L.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S1</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$13,693	\$3,560	\$17,253	\$17,253
11/1/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S2</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$13,693	\$3,560	\$17,253	\$17,253
11/28/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S3</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$3,423	\$890	\$4,313	\$4,313
12/21/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S4</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$13,693	\$3,560	\$17,253	\$17,253
1/30/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S5</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$6,846	\$1,780	\$8,626	\$8,626
2/20/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124164-06-S6</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	No	\$10,348	\$2,691	\$13,039	\$13,039
3/29/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124164-06-W7</b>	<b>Analysis for Future Aircraft Propulsion Systems</b>	<b>No</b>	<b>\$24,146</b>	<b>\$6,278</b>	<b>\$30,424</b>	<b>\$30,424</b>
<i>5/3/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-06-S1</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$9,598</b>	<b>\$2,495</b>	<b>\$12,093</b>	<b>\$12,093</b>
<i>8/1/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-06-S2</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$5,456</b>	<b>\$1,419</b>	<b>\$6,875</b>	<b>\$6,875</b>
<i>9/15/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-07</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$14,464</b>	<b>\$3,761</b>	<b>\$18,225</b>	<b>\$18,225</b>
<i>10/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-07-S1</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$14,464</b>	<b>\$3,761</b>	<b>\$18,225</b>	<b>\$18,225</b>
<i>11/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-07-S2</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$17,639</b>	<b>\$4,586</b>	<b>\$22,225</b>	<b>\$22,225</b>
<i>11/28/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124208-07-S3</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$4,410</b>	<b>\$1,146</b>	<b>\$5,556</b>	<b>\$5,556</b>
<i>12/21/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124208-07-S4</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$17,639</b>	<b>\$4,586</b>	<b>\$22,225</b>	<b>\$22,225</b>
<i>1/30/19 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124208-07-S5</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$26,459</b>	<b>\$6,879</b>	<b>\$33,338</b>	<b>\$33,338</b>
<i>2/20/19 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124208-07-S6</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$18,025</b>	<b>\$4,687</b>	<b>\$22,712</b>	<b>\$22,712</b>
<i>3/29/19 to 9/30/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124208-07-W7</b>	<b>Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan</b>	<b>No</b>	<b>\$42,060</b>	<b>\$10,935</b>	<b>\$52,995</b>	<b>\$52,995</b>
<i>5/3/19 to 9/30/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124216-05-S2</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	<b>No</b>	<b>\$2,687</b>	<b>\$699</b>	<b>\$3,386</b>	<b>\$3,386</b>
<i>8/1/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124216-05-S3</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	<b>No</b>	<b>\$11,517</b>	<b>\$2,994</b>	<b>\$14,511</b>	<b>\$14,511</b>
<i>9/15/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-124216-06</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	<b>No</b>	<b>\$16,070</b>	<b>\$4,178</b>	<b>\$20,248</b>	<b>\$20,248</b>
<i>10/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			

## Engineering, College of

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<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124216-06-S1</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$16,070	\$4,178	\$20,248	\$20,248
11/1/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-S2</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$13,195	\$3,431	\$16,626	\$16,626
11/28/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-S3</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$3,447	\$896	\$4,343	\$4,343
12/21/18 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-S4</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$13,789	\$3,585	\$17,374	\$17,374
1/30/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-S5</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$10,863	\$2,824	\$13,687	\$13,687
2/20/19 to 3/31/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-S6</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$12,653	\$3,290	\$15,943	\$15,943
3/29/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>C-124216-06-W7</b>	<b>Analysis and Testing of Advanced Materials and Structures (85T.08)</b>	No	\$29,524	\$7,676	\$37,200	\$37,200
5/3/19 to 9/30/19	NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association					
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	

## Engineering, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124218-05-S2</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$5,933</b>	<b>\$1,542</b>	<b>\$7,475</b>	<b>\$7,475</b>
<i>8/1/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-05-S3</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$8,626</b>	<b>\$2,243</b>	<b>\$10,869</b>	<b>\$10,869</b>
<i>9/15/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$14,777</b>	<b>\$3,842</b>	<b>\$18,619</b>	<b>\$18,619</b>
<i>10/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-S1</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$14,777</b>	<b>\$3,842</b>	<b>\$18,619</b>	<b>\$18,619</b>
<i>11/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-S2</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$23,110</b>	<b>\$6,009</b>	<b>\$29,119</b>	<b>\$29,119</b>
<i>11/28/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-S3</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$3,694</b>	<b>\$961</b>	<b>\$4,655</b>	<b>\$4,655</b>
<i>12/21/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-S4</b>	<b>Advanced Aerospace Seals Research</b>	<b>No</b>	<b>\$23,110</b>	<b>\$6,009</b>	<b>\$29,119</b>	<b>\$29,119</b>
<i>1/30/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-124218-06-S5</b>	<b>Advanced Aerospace Seals Research</b>	No	\$37,498	\$9,749	\$47,247	\$47,247
2/20/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-S6</b>	<b>Advanced Aerospace Seals Research</b>	No	\$23,495	\$6,109	\$29,604	\$29,604
3/29/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-124218-06-W7</b>	<b>Advanced Aerospace Seals Research</b>	No	\$57,163	\$14,863	\$72,026	\$72,026
5/3/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125269-06</b>	<b>Computational Investigation of Turbine Aerodynamics and Heat Transfer-GlennHT CFD Analysis (WO #14)</b>	No	\$37,878	\$7,575	\$45,453	\$45,453
8/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125269-07</b>	<b>Computational Investigation of Turbine Aerodynamics and Heat Transfer-GlennHT CFD Analysis (WO #14)</b>	No	\$28,781	\$5,756	\$34,537	\$34,537
4/1/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125830-03-S2</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>	No	\$1,912	\$497	\$2,409	\$2,409
8/1/18 to 9/30/18 National Aeronautics and Space Administration through Universities Space Research Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125830-03-S3</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>	No	\$7,779	\$2,023	\$9,802	\$9,802
9/15/18 to 9/30/18 National Aeronautics and Space Administration through Universities Space Research Association						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>							
<b>C-125830-04</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$10,709</b>	<b>\$2,784</b>	<b>\$13,493</b>	<b>\$13,493</b>
<i>10/1/18 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		
<b>C-125830-04-S1</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$10,709</b>	<b>\$2,784</b>	<b>\$13,493</b>	<b>\$13,493</b>
<i>11/1/18 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		
<b>C-125830-04-S2</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$10,709</b>	<b>\$2,784</b>	<b>\$13,493</b>	<b>\$13,493</b>
<i>11/28/18 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		
<b>C-125830-04-S3</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$2,677</b>	<b>\$696</b>	<b>\$3,373</b>	<b>\$3,373</b>
<i>12/21/18 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		
<b>C-125830-04-S4</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$10,709</b>	<b>\$2,784</b>	<b>\$13,493</b>	<b>\$13,493</b>
<i>1/30/19 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		
<b>C-125830-04-S5</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>		<b>No</b>	<b>\$16,063</b>	<b>\$4,177</b>	<b>\$20,240</b>	<b>\$20,240</b>
<i>2/20/19 to 3/31/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100		

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-125830-04-S6</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>	<b>No</b>	<b>\$10,791</b>	<b>\$2,806</b>	<b>\$13,597</b>	<b>\$13,597</b>
<i>3/29/19 to 9/30/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125830-04-W7</b>	<b>Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations</b>	<b>No</b>	<b>\$25,179</b>	<b>\$6,547</b>	<b>\$31,726</b>	<b>\$31,726</b>
<i>5/3/19 to 9/30/19</i>	<i>National Aeronautics and Space Administration through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-02-S2</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	<b>No</b>	<b>\$2,121</b>	<b>\$551</b>	<b>\$2,672</b>	<b>\$2,672</b>
<i>8/1/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-02-S3</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	<b>No</b>	<b>\$8,902</b>	<b>\$2,314</b>	<b>\$11,216</b>	<b>\$11,216</b>
<i>9/15/18 to 9/30/18</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	<b>No</b>	<b>\$12,179</b>	<b>\$3,167</b>	<b>\$15,346</b>	<b>\$15,346</b>
<i>10/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-S1</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	<b>No</b>	<b>\$12,179</b>	<b>\$3,167</b>	<b>\$15,346</b>	<b>\$15,346</b>
<i>11/1/18 to 3/31/19</i>	<i>NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

# Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-125891-03-S2</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$12,179	\$3,167	\$15,346	\$15,346
<i>11/28/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-S3</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$3,044	\$792	\$3,836	\$3,836
<i>12/21/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-S4</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$12,179	\$3,167	\$15,346	\$15,346
<i>1/30/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-S5</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$18,269	\$4,750	\$23,019	\$23,019
<i>2/20/19 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-S6</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$12,273	\$3,191	\$15,464	\$15,464
<i>3/29/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		
<b>C-125891-03-W7</b>	<b>High Temperature Materials and Coatings for Extreme Environments - OY3</b>	No	\$28,637	\$7,446	\$36,083	\$36,083
<i>5/3/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of		100		

## Engineering, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-126067-02</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	<b>No</b>	<b>\$70,556</b>	<b>\$34,925</b>	<b>\$105,481</b>	<b>\$73,837</b>
<i>8/1/18 to 1/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of	70			
Co-PI	Goel, Vijay K.	Bioengineering, Department of	30			
<b>C-126067-03</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	<b>No</b>	<b>\$72,467</b>	<b>\$35,871</b>	<b>\$108,338</b>	<b>\$32,501</b>
<i>8/14/18 to 1/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Goel, Vijay K.	Bioengineering, Department of	70			
Co-PI	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of	30			
<b>C-126256-04-W1</b>	<b>Advanced Aerospace Seals Research for Reimbursements Interagency Agreement With DARPA-OYr4</b>	<b>No</b>	<b>\$22,954</b>	<b>\$5,968</b>	<b>\$28,922</b>	<b>\$28,922</b>
<i>8/1/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-126256-05</b>	<b>Advanced Aerospace Seals Research for Reimbursements Interagency Agreement With DARPA-OYr4</b>	<b>No</b>	<b>\$4,735</b>	<b>\$1,231</b>	<b>\$5,966</b>	<b>\$5,966</b>
<i>10/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-126256-05-S1</b>	<b>Advanced Aerospace Seals Research for Reimbursements Interagency Agreement With DARPA-OYr4</b>	<b>No</b>	<b>\$4,735</b>	<b>\$1,231</b>	<b>\$5,966</b>	<b>\$5,966</b>
<i>11/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>C-127015-01-W1</b>	<b>Advanced Aerospace Seals Research for Reimbursable task Plan with Sierra Nevada</b>	<b>No</b>	<b>\$6,647</b>	<b>\$1,728</b>	<b>\$8,375</b>	<b>\$8,375</b>
<i>9/15/18 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field through Universities Space Research Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			

## Engineering, College of

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<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>C-127108-02</b>	<b>Scalable production of boron nitride nano-sheets (BNNS) using compressible flow exfoliation</b>	No	\$22,808	\$11,290	\$34,098	\$34,098
<i>5/1/19 to 4/30/20 NASA John H. Glenn Research Center at Lewis Field</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Rizvi, Syed Reza Ur Rehman	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
Co-PI	Hixon, Duane	Mechanical, Industrial, and Manufacturing Engineering, Department of				
<b>C-127596-02</b>	<b>Advanced Computational Simulation of Multistage Turbomachinery</b>	No	\$101,111	\$20,222	\$121,333	\$121,333
<i>4/1/19 to 9/30/19 NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>D-123604-12-S1</b>	<b>VPL-12-051 Multistage Turbomachinery Advanced Computational Tool Development W141_628</b>	No	\$(99,806)	\$(19,961)	\$(119,767)	\$(119,767)
<i>10/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>D-127596-01</b>	<b>Advanced Computational Simulation of Multistage Turbomachinery</b>	No	\$99,806	\$19,961	\$119,767	\$119,767
<i>10/1/18 to 3/31/19 NASA John H. Glenn Research Center at Lewis Field through Vantage Partners, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Keith, Theo G.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>N-123149-01</b>	<b>Materials Consortium</b>	Yes	\$(761)	\$0	\$(761)	\$(761)
<i>1/1/12 to 12/31/12 Materials Consortium</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	
<b>N-125817-01-W7</b>	<b>The University of Toledo Rocket Fuel Fund</b>	No	\$0	\$0	\$0	\$0
<i>12/1/17 to 5/31/19 Economic Development Administration through University of Toledo, Main Campus</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Parsai, E Ishmael	Radiation Oncology, Department of			34	
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of			33	
Co-I	Elliott, David A.	Radiation Oncology, Department of			33	
<b>N-127108-01</b>	<b>Scalable production of boron nitride nano-sheets (BNNS) using compressible flow exfoliation</b>	No	\$2,896	\$1,433	\$4,329	\$4,329
<i>8/3/18 to 12/31/18 NASA John H. Glenn Research Center at Lewis Field</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Rizvi, Syed Reza Ur Rehman	Mechanical, Industrial, and Manufacturing Engineering, Department of			100	

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>N-127230-01</b>	<b>The Student Experience at University of Toledo: Advancing Equity by Design</b>	No	\$250,000	\$0	\$250,000	\$75,000
<i>1/1/19 to 8/31/21</i> <i>Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	50			
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	30			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	20			
<b>N-127233-01</b>	<b>Snow Test for Ford Vehicle Camera</b>	No	\$70,205	\$34,751	\$104,956	\$104,956
<i>3/1/19 to 12/31/19</i> <i>Ford Motor Company</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sojoudi, Hossein	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>N-127304-01</b>	<b>Evaluation of SiOx coating on polypropylene films for oxygen barrier</b>	No	\$12,072	\$3,924	\$15,996	\$6,398
<i>10/1/18 to 6/30/19</i> <i>Braskem S.A.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lawrence, Joseph G.	Polymer Institute	60			
Co-I	Jayatissa, Ahalapitiya H.	Mechanical, Industrial, and Manufacturing Engineering, Department of	40			
<b>N-127421-01</b>	<b>I-CORPS Minimizing the risk of radiation to prostate cancer patients</b>	No	\$45,000	\$5,000	\$50,000	\$50,000
<i>3/15/19 to 8/31/20</i> <i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>N-127548-01</b>	<b>A Global Hybrid LES/RANS Model for High Speed Aerodynamic Applications</b>	No	\$35,024	\$9,106	\$44,130	\$44,130
<i>5/13/19 to 5/12/20</i> <i>Air Force Research Laboratory through Southwestern Ohio Council for Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sheng, Chunhua	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>N-127638-01</b>	<b>Mitigation of Snow Formation and Accumulation on Solar Panels of Clearway Energy Group</b>	No	\$17,071	\$8,450	\$25,521	\$25,521
<i>6/28/19 to 6/27/20</i> <i>Clearway Energy</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sojoudi, Hossein	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
<b>N-127865-01</b>	<b>Dana contract: Vehicle Mechatronics Certificate Program</b>	No	\$296,226	\$22,774	\$319,000	\$255,200
<i>5/25/19 to 12/31/21</i> <i>Dana Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of	80			
Co-I	Hefzy, Mohamed Samir	Administration, College of Engineering	10			
Co-I	Relue, Patricia Ann	Bioengineering, Department of	10			
Co-I	Schroeder, Adam Michael	Mechanical, Industrial, and Manufacturing Engineering, Department of				

## Engineering, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Mechanical, Industrial, and Manufacturing Engineering, Department of</b>						
<b>R-106736-18</b>	<b>The University of Toledo Pollution Prevention Grant Proposal</b>	<b>No</b>	<b>\$84,043</b>	<b>\$29,102</b>	<b>\$113,145</b>	<b>\$22,629</b>
<i>10/1/18 to 9/30/20 U.S. Environmental Protection Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kumar, Ashok	Civil Engineering, Department of	80			
Co-I	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of	20			
<b>R-106736-18-101</b>	<b>The University of Toledo Pollution Prevention Grant Proposal</b>	<b>No</b>	<b>\$68,275</b>	<b>\$33,795</b>	<b>\$102,070</b>	<b>\$20,414</b>
<i>5/9/19 to 9/30/20 U.S. Environmental Protection Agency</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kumar, Ashok	Civil Engineering, Department of	80			
Co-I	Franchetti, Matthew J.	Mechanical, Industrial, and Manufacturing Engineering, Department of	20			
<b>S-125649-01-S1</b>	<b>Collaborative Research: Research Initiation: Factors Affecting Underrepresented Minority Student Success and Pathways to Engineering Careers at Majority and Minority Institutions</b>	<b>No</b>	<b>\$16,188</b>	<b>\$8,013</b>	<b>\$24,201</b>	<b>\$8,228</b>
<i>9/1/18 to 9/30/19 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	34			
Co-I	Kumar, Revathy	Educational Foundations and Leadership	33			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	33			
<b>S-126067-01-S1</b>	<b>Next Generation Ca-P Cements for Treating Vertebral-Body Fractures</b>	<b>No</b>	<b>\$21,723</b>	<b>\$10,753</b>	<b>\$32,476</b>	<b>\$32,476</b>
<i>7/27/18 to 1/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bhaduri, Sarit B.	Mechanical, Industrial, and Manufacturing Engineering, Department of	100			
Co-PI	Goel, Vijay K.	Bioengineering, Department of				
Stdnt Schol	Sikder, Prabaha	Mechanical, Industrial, and Manufacturing Engineering, Department of				
Sum of Department ( <b>Mechanical, Industrial, and Manufactu</b> )						<b>Award Count: 105.57</b>
						<b>\$3,259,658</b>
<b>Polymer Institute</b>						
<b>C-126736-02</b>	<b>Regionally Aligned Priorities in Delivering Skills (RAPIDS 3.0)</b>	<b>No</b>	<b>\$361,749</b>	<b>\$0</b>	<b>\$361,749</b>	<b>\$122,995</b>
<i>12/25/18 to 12/31/21 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lawrence, Joseph G.	Polymer Institute	34			
Co-I	Cameron, Brent D.	Bioengineering, Department of	33			
Co-I	Relue, Patricia Ann	Bioengineering, Department of	33			
<b>N-127304-01</b>	<b>Evaluation of SiOx coating on polypropylene films for oxygen barrier</b>	<b>No</b>	<b>\$12,072</b>	<b>\$3,924</b>	<b>\$15,996</b>	<b>\$9,598</b>
<i>10/1/18 to 6/30/19 Braskem S.A.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lawrence, Joseph G.	Polymer Institute	60			
Co-I	Jayatissa, Ahalapitiya H.	Mechanical, Industrial, and Manufacturing Engineering, Department of	40			

## 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>
Sum of Department ( <b>Polymer Institute</b> )				Award Count: <b>0.94</b>	<b>\$132,592</b>
Sum of College ( <b>Engineering, College of</b> )				Award Count: <b>142.62</b>	<b>\$8,131,254</b>

## Facilities

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	<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Dana Conference Center</b>					

<b>N-125739-01</b>	<b>Parent Site: Case Comprehensive Cancer Center</b>	<b>Yes</b>	<b>\$18,920</b>	<b>\$0</b>	<b>\$18,920</b>
<i>1/1/16 to 12/31/26</i>	<i>National Cancer Institute through Case Western Reserve University/Case Medical Center</i>				

<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>
PI/PD	Chen, Changhu	Radiation Oncology, Department of	100
Co-I	Chaudhuri, Prabir	Surgery, Department of	
Co-I	Jain, Samay	Medicine, Department of	
Co-I	Klepacz, Daniel S.	Medicine, Department of	
Co-I	Klepacz, Heather		
Co-I	Mohamed, Iman E.	Medicine, Department of	
Co-I	Reddy, Krishna	Dana Conference Center	
Co-I	Shahrour, Khaled	Medicine, Department of	
Co-I	Skeel, Roland	Medicine, Department of	
Co-I	Verghese, Cherian	Medicine, Department of	

Sum of Department (**Dana Conference Center**) Award Count:

Sum of College (**Facilities**) Award Count:

## Graduate Studies

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

## Graduate Studies

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Graduate Studies, College of</b>						
<b>C-125527-04</b>	<b>A Phase 3 Study to Evaluate the Efficacy and Safety of Elagolix in Combination with Estradiol/Norethindrone Acetate for the Management of Heavy Menstrual Bleeding Associated with Uterine Fibroids in Premenopausal Women</b>	<b>No</b>	<b>\$9,730</b>	<b>\$2,919</b>	<b>\$12,649</b>	<b>\$6,325</b>
<i>2/29/16 to 2/28/19</i>		<i>AbbVie</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Neuhoff, Ronica	Obstetrics & Gynecology, Department of			35	
PI/PD	Smaili, Sleiman K.	Graduate Studies, College of			50	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of			15	
<b>C-125671-03</b>	<b>A Phase 3 Study to Evaluate the Safety and Efficacy of Elagolix in Combination with Estradiol/Norethindrone Acetate in Subjects with Moderate to Severe Endometriosis-Associated Pain</b>	<b>No</b>	<b>\$4,110</b>	<b>\$1,233</b>	<b>\$5,343</b>	<b>\$1,069</b>
<i>7/1/18 to 6/30/19</i>		<i>AbbVie</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Smaili, Sleiman K.	Graduate Studies, College of			20	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of			20	
Co-I	Neuhoff, Ronica	Obstetrics & Gynecology, Department of			60	
Sum of Department ( <b>Graduate Studies, College of</b> )					Award Count: <b>0.70</b>	<b>\$7,393</b>
Sum of College ( <b>Graduate Studies</b> )					Award Count: <b>0.70</b>	<b>\$7,393</b>

## 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>
<b>Health Sciences, College of</b>						
<b>N-127573-01</b>	<b>Novel assessment of Quadriceps Motor Unit Behavior after anterior cruciate ligament reconstruction</b>	<b>No</b>	<b>\$2,500</b>	<b>\$0</b>	<b>\$2,500</b>	<b>\$2,500</b>
<i>6/18/19 to 3/31/20</i>		<i>NATA Research &amp; Education Foundation</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Norte, Grant Edward	Health Sciences, College of			100	
Sum of Department ( <b>Health Sciences, College of</b> )					Award Count: <b>1.00</b>	<b>\$2,500</b>

## School of Exercise Rehab Sciences

## 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>
<b>School of Exercise Rehab Sciences</b>							
<b>N-126817-01</b>	<b>Use of Nordic Hamstring Exercise to Improve Hamstrings Function</b>		<b>No</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$10,000</b>
<i>7/2/18 to 6/30/20 American College of Sports Medicine Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Norte, Grant Edward	School of Exercise Rehab Sciences				90	
Co-I	Glaviano, Neal Robert	School of Exercise Rehab Sciences				10	
<b>N-127341-01</b>	<b>Push4Prevention Community Stipend at UT</b>		<b>No</b>	<b>\$2,500</b>	<b>\$0</b>	<b>\$2,500</b>	
<i>11/29/18 to 5/31/19 Prevention Action Alliance</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Glassman, Tavis J.	School of Population Health				100	
Co-I	McKenzie, Nicole Lynn	School of Exercise Rehab Sciences					
<b>N-127436-01</b>	<b>Relationship Between the Lumbopelvic-Hip Complex Muscle Activation and Lower Limb Biomechanics During Functional Tasks Before and After Fatigue</b>		<b>No</b>	<b>\$475</b>	<b>\$0</b>	<b>\$475</b>	<b>\$475</b>
<i>1/1/19 to 12/31/19 Ohio Athletic Trainers' Association</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Glaviano, Neal Robert	School of Exercise Rehab Sciences				100	
<b>N-127437-01</b>	<b>The Effect of Trunk Positioning on Quadriceps and Gluteal Activation During Running</b>		<b>No</b>	<b>\$475</b>	<b>\$0</b>	<b>\$475</b>	<b>\$475</b>
<i>12/12/18 to 12/31/19 Ohio Athletic Trainers' Association</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Glaviano, Neal Robert	School of Exercise Rehab Sciences				100	
Sum of Department ( <b>School of Exercise Rehab Sciences</b> )						Award Count: <b>3.00</b>	<b>\$10,950</b>
<b>School of Intervention &amp; Wellness</b>							
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>		<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$12,499</b>
<i>9/30/18 to 9/29/19 Substance Abuse and Mental Health Services Administration</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Lewandowski, Linda A.	Nursing, College of				20	
Co-I	Gray, Temeaka A.	Nursing, College of				10	
Co-I	Johnson, Tressa S.	University Police				10	
Co-I	Laux, John Micah	School of Intervention & Wellness				10	
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of				10	
Co-I	Petra, Megan Meta	School of Social Justice				10	
Co-I	Riddick, Vicki L.	Human Resources				10	
Co-I	Thompson, Amy J.	School of Population Health				20	
Sum of Department ( <b>School of Intervention &amp; Wellness</b> )						Award Count: <b>0.10</b>	<b>\$12,499</b>
<b>School of Population Health</b>							

## 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>
<b>School of Population Health</b>							
<b>C-101313-13</b>	<b>NIOSH Training Grant Project: Industrial Hygiene-University Toledo</b>		<b>No</b>	<b>\$70,704</b>	<b>\$1,225</b>	<b>\$71,929</b>	<b>\$71,929</b>
<i>7/1/18 to 6/30/19</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.	School of Population Health			95		
Co-I	Akbar-Khanzadeh, Farhang	School of Population Health			5		
<b>C-124040-02-S1</b>	<b>Health Promotion Coach Agreement</b>		<b>No</b>	<b>\$5,953</b>	<b>\$595</b>	<b>\$6,548</b>	<b>\$6,548</b>
<i>11/9/18 to 5/31/19</i>	<i>Board of County (Lucas) Commissioners</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Boardley, Debra J.	School of Population Health			100		
<b>C-126524-03</b>	<b>Increasing Access of Trauma-Informed Care by CPS-Involved Youth and Families</b>		<b>No</b>	<b>\$30,188</b>	<b>\$9,811</b>	<b>\$39,999</b>	<b>\$39,999</b>
<i>9/30/18 to 9/29/19</i>	<i>Substance Abuse and Mental Health Services Administration through ProMedica Health System</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Dake, Joseph	School of Population Health			100		
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>		<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$24,999</b>
<i>9/30/18 to 9/29/19</i>	<i>Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of			20		
Co-I	Gray, Temeaka A.	Nursing, College of			10		
Co-I	Johnson, Tressa S.	University Police			10		
Co-I	Laux, John Micah	School of Intervention & Wellness			10		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of			10		
Co-I	Petra, Megan Meta	School of Social Justice			10		
Co-I	Riddick, Vicki L.	Human Resources			10		
Co-I	Thompson, Amy J.	School of Population Health			20		

## Health & Human Services, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>School of Population Health</b>						
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	No	\$1,126,799	\$107,300	\$1,234,099	\$308,525
<i>11/7/18 to 6/30/19</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-I	Altork, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of	5			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	20			
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health	25			
Co-I	Williams, Kristi	Psychiatry, Department of				
<b>N-127195-01</b>	<b>Role of Reduced Nitric Oxide in Formation of Early-Stage Breast Lesions</b>	No	\$50,989	\$0	\$50,989	
<i>7/23/18 to 7/31/23</i>		<i>University of Toledo Foundation</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of	100			
Co-PI	Al Agha, Abdelraof Ibrahim	Physician Assistant Studies				
Co-PI	Isailovic, Dragan	Chemistry and Biochemistry, Department of				
Co-PI	Khuder, Sadik	School of Population Health				
Co-PI	Sun, Hongliu	Pathology, Department of				
<b>N-127341-01</b>	<b>Push4Prevention Community Stipend at UT</b>	No	\$2,500	\$0	\$2,500	\$2,500
<i>11/29/18 to 5/31/19</i>		<i>Prevention Action Alliance</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Glassman, Tavis J.	School of Population Health	100			
Co-I	McKenzie, Nicole Lynn	School of Exercise Rehab Sciences				
<b>N-127551-01</b>	<b>Sexual and Reproductive Health</b>	No	\$9,091	\$909	\$10,000	\$10,000
<i>5/1/19 to 4/30/20</i>		<i>Indiana University</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mc Bride, Kimberly Rae	School of Population Health	100			
Sum of Department (School of Population Health) Award Count: 5.45						<b>\$464,499</b>
<b>School of Social Justice</b>						
<b>C-124919-05</b>	<b>Healthy Start Initiative: Eliminating Racial/Ethnic Disparities</b>	No	\$61,841	\$6,184	\$68,025	\$68,025
<i>4/1/18 to 3/31/19</i>		<i>Health Resources &amp; Services Administration through Lucas County Regional Health District</i>				
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			

# Health & Human Services, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>School of Social Justice</b>						
<b>C-124919-06</b>	<b>Healthy Start Initiative: Eliminating Racial/Ethnic Disparities</b>	<b>No</b>	<b>\$43,181</b>	<b>\$4,319</b>	<b>\$47,500</b>	<b>\$47,500</b>
<i>4/1/19 to 3/31/20 Health Resources &amp; 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	
<b>N-126680-01</b>	<b>HT Prevention Project</b>	<b>No</b>	<b>\$24,707</b>	<b>\$2,471</b>	<b>\$27,178</b>	<b>\$27,178</b>
<i>11/6/18 to 6/30/19 Ohio Children's Trust Fund</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Williamson, Celia	School of Social Justice			100	
<b>N-127027-01</b>	<b>Engaging Language Professionals for Patient-Centered Outcomes Research with Latino Communities</b>	<b>No</b>	<b>\$22,840</b>	<b>\$9,136</b>	<b>\$31,976</b>	<b>\$31,976</b>
<i>9/1/18 to 8/31/20 Patient Centered Outcomes Research Institute through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Guardiola, Louis	School of Social Justice			100	
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>	<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$12,499</b>
<i>9/30/18 to 9/29/19 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Lewandowski, Linda A.	Nursing, College of			20	
Co-I	Gray, Temeaka A.	Nursing, College of			10	
Co-I	Johnson, Tressa S.	University Police			10	
Co-I	Laux, John Micah	School of Intervention & Wellness			10	
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of			10	
Co-I	Petra, Megan Meta	School of Social Justice			10	
Co-I	Riddick, Vicki L.	Human Resources			10	
Co-I	Thompson, Amy J.	School of Population Health			20	
<b>N-127402-01</b>	<b>Healthy Start Initiative: Eliminating Disparities in Perinatal Health</b>	<b>No</b>	<b>\$43,181</b>	<b>\$4,319</b>	<b>\$47,500</b>	<b>\$47,500</b>
<i>4/1/19 to 3/31/20 Health Resources &amp; 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	
<b>N-127439-01</b>	<b>Human Trafficking ECMC Foundation</b>	<b>No</b>	<b>\$106,075</b>	<b>\$10,608</b>	<b>\$116,683</b>	<b>\$116,683</b>
<i>5/1/19 to 4/30/20 Educational Credit Management Corporation Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Williamson, Celia	School of Social Justice			100	
Co-I	Guardiola, Louis	School of Social Justice				

## 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>
<b>School of Social Justice</b>						
<b>N-127626-01</b>	<b>NWO Pathways HUB</b>	<b>No</b>	<b>\$13,044</b>	<b>\$1,956</b>	<b>\$15,000</b>	<b>\$15,000</b>
<i>1/1/19 to 12/31/19 Hospital Council of Northwest Ohio through Ohio Commission on Minority Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
<b>R-125245-04</b>	<b>Human Trafficking Pathways Project</b>	<b>No</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$35,000</b>
<i>1/1/19 to 12/31/19 Stranahan Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
<b>R-125544-04</b>	<b>Center for Student Advocacy &amp; Wellness</b>	<b>No</b>	<b>\$261,278</b>	<b>\$26,127</b>	<b>\$287,405</b>	<b>\$287,405</b>
<i>10/1/18 to 9/30/19 U.S. Department of Justice through Ohio Attorney General</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Tucker-Gail, Kasey A.	School of Social Justice	100			
<b>R-126104-02</b>	<b>Partners Against Human Trafficking Project</b>	<b>No</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>1/1/19 to 12/31/20 Toledo Community Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Williamson, Celia	School of Social Justice	100			
		<b>Sum of Department (School of Social Justice)</b>		<b>Award Count: 10.10</b>		<b>\$738,766</b>
		<b>Sum of College (Health &amp; Human Services, College of)</b>		<b>Award Count: 19.65</b>		<b>\$1,229,215</b>

## Human Resources

This report does **not** show all projects that were active in FY19. 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>
<b>Human Resources</b>						
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>	<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$12,499</b>
<i>9/30/18 to 9/29/19 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lewandowski, Linda A.	Nursing, College of	20			
Co-I	Gray, Temeaka A.	Nursing, College of	10			
Co-I	Johnson, Tressa S.	University Police	10			
Co-I	Laux, John Micah	School of Intervention & Wellness	10			
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of	10			
Co-I	Petra, Megan Meta	School of Social Justice	10			
Co-I	Riddick, Vicki L.	Human Resources	10			
Co-I	Thompson, Amy J.	School of Population Health	20			

## Human Resources

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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 ( <b>Human Resources</b> )			Award Count: <b>0.10</b>		<b>\$12,499</b>
Sum of College ( <b>Human Resources</b> )			Award Count: <b>0.10</b>		<b>\$12,499</b>

## Human Resources & Campus Safety

This report does **not** show all projects that were active in FY19. 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>
<b>VP for HR &amp; Campus Safety</b>					
<b>N-127881-01</b> <i>6/1/19 to 5/31/20</i>	<b>No</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>
<b>Chandrasekhar Collection Project</b> <i>University of Toledo Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
PI/PD	Johnson, Daniel M.	VP for HR & Campus Safety	100		
Sum of Department ( <b>VP for HR &amp; Campus Safety</b> )			Award Count: <b>1.00</b>		<b>\$50,000</b>
Sum of College ( <b>Human Resources &amp; Campus Safety</b> )			Award Count: <b>1.00</b>		<b>\$50,000</b>

## Law, College of

This report does **not** show all projects that were active in FY19. 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>
<b>Law, College of</b>					
<b>N-127111-01</b> <i>1/1/19 to 12/31/19</i>	<b>No</b>	<b>\$6,208</b>	<b>\$2,017</b>	<b>\$8,225</b>	<b>\$8,225</b>
<b>University of Toledo Tax Controversy Clinic- Low Income Taxpayer Clinic Grant</b> <i>U.S. Department of the Treasury</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
PI/PD	Rapp, Geoffrey	Law, College of	100		
Co-I	Bourell, Christopher L.	Law, College of	0		
<b>N-127582-01</b> <i>6/3/19 to 10/31/19</i>	<b>No</b>	<b>\$36,522</b>	<b>\$5,478</b>	<b>\$42,000</b>	<b>\$42,000</b>
<b>Great Lakes – St. Lawrence River Basin Water Resources Compact</b> <i>Joyce Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
PI/PD	Kilbert, Kenneth K.	Law, College of	100		
Stdnt Schol	Merkle, Aubrey E.	Law, College of			
Stdnt Schol	Miller, Forrest G.	Law, College of			

## 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>
<b>Law, College of</b>						
<b>S-127111-01</b>	<b>University of Toledo Tax Controversy Clinic- Low Income Taxpayer Clinic Grant</b>	<b>No</b>	<b>\$18,623</b>	<b>\$6,052</b>	<b>\$24,675</b>	<b>\$24,675</b>
<i>1/1/19 to 12/31/19</i>	<i>U.S. Department of the Treasury</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Rapp, Geoffrey	Law, College of		100		
Co-I	Bourell, Christopher L.	Law, College of				
Sum of Department ( <b>Law, College of</b> )				Award Count: <b>3.00</b>		<b>\$74,900</b>
Sum of College ( <b>Law, College of</b> )				Award Count: <b>3.00</b>		<b>\$74,900</b>

## Medical Services

This report does **not** show all projects that were active in FY19. 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>
<b>Pharmacy</b>						
<b>N-127244-01</b>	<b>Study of alkenones in lipsticks and lip balms</b>	<b>No</b>	<b>\$6,439</b>	<b>\$2,061</b>	<b>\$8,500</b>	<b>\$8,500</b>
<i>9/1/18 to 5/31/19</i>	<i>Woods Hole Oceanographic Institution</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Baki, Gabriella	Pharmacy		100		
Sum of Department ( <b>Pharmacy</b> )				Award Count: <b>1.00</b>		<b>\$8,500</b>
Sum of College ( <b>Medical Services</b> )				Award Count: <b>1.00</b>		<b>\$8,500</b>

## Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY19. 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>
<b>AHEC</b>						
<b>C-010336-25</b>	<b>AHEC Point of Service Maintenance and Enhancement</b>	<b>No</b>	<b>\$921,728</b>	<b>\$5,272</b>	<b>\$927,000</b>	<b>\$927,000</b>
<i>9/1/18 to 8/31/19</i>	<i>Health Resources &amp; Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Combs, Courtney Kay	AHEC		100		
Dir Ctr/Inst	Miller, Patsy J.	AHEC				

## 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>
<b>AHEC</b>						
<b>S-010336-25-S1</b>	<b>AHEC Point of Service Maintenance and Enhancement</b>	<b>No</b>	<b>\$223,222</b>	<b>\$0</b>	<b>\$223,222</b>	<b>\$223,222</b>
<i>9/1/18 to 8/31/19 Division of Medicine</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Combs, Courtney Kay	AHEC	100			
Dir Ctr/Inst	Miller, Patsy J.	AHEC				
Sum of Department ( <b>AHEC</b> ) Award Count: <b>2.00</b>						<b>\$1,150,222</b>
<b>Anesthesiology, Department of</b>						
<b>C-127000-02</b>	<b>Ohio Opioid Analytics Project</b>	<b>No</b>	<b>\$75,518</b>	<b>\$7,552</b>	<b>\$83,070</b>	<b>\$27,413</b>
<i>7/3/18 to 6/30/19 Ohio Colleges of Medicine Government Resource Center through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	34			
Co-I	Boose, Michelle Delores	Family Medicine, Department of	33			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	33			
<b>N-124116-01</b>	<b>A Randomized, Double-Blind, Double-Dummy, Placebo-Controlled, Active-Controlled, Parallel-Group, Multicenter Trial of Oxycodone/Naloxone Controlled-Release Tablets (OXN) to Assess the Analgesic Efficacy (Compared to Placebo) and the Management of Opioid-Induced Constipation</b>	<b>Yes</b>	<b>\$9,234</b>	<b>\$2,770</b>	<b>\$12,004</b>	<b>\$10,804</b>
<i>6/24/13 to 6/23/14 Purdue Pharma L.P. through Quintiles, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Atallah, Joseph Noshi	Anesthesiology, Department of	60			
Co-I	Dugan, Amy L.	Nursing, College of	10			
Co-I	Gage, Emmanuel G.	Anesthesiology, Department of	10			
Co-I	Koning, Jonathan	Anesthesiology, Department of	10			
Co-I	Sarhan, Mazin	Anesthesiology, Department of	10			

## Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Anesthesiology, Department of</b>						
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	<b>No</b>	<b>\$1,126,799</b>	<b>\$107,300</b>	<b>\$1,234,099</b>	<b>\$308,525</b>
<i>11/7/18 to 6/30/19 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-I	Altrok, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of			5	
Co-I	Pappada, Scott Michael	Anesthesiology, Department of			20	
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health			25	
Co-I	Williams, Kristi	Psychiatry, Department of				
Sum of Department ( <b>Anesthesiology, Department of</b> ) Award Count: <b>1.48</b>						<b>\$346,742</b>
<b>Cancer Biology, Department of</b>						
<b>C-125800-02</b>	<b>Potential Role of the Novel Angiopoietin-like Protein RIFL/Angptl8 in Hepatocellular Carcinoma</b>	<b>No</b>	<b>\$50,000</b>	<b>\$26,750</b>	<b>\$76,750</b>	<b>\$76,750</b>
<i>9/1/18 to 8/31/20 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Smas, Cynthia M.	Cancer Biology, Department of			100	
Stdnt Schol	Thomson, Maxwell	Cancer Biology, Department of				
Stdnt Schol	Wang, Li	Cancer Biology, Department of				
<b>C-126166-02</b>	<b>Role of nitric oxide in regulating the extracellular matrix in breast</b>	<b>No</b>	<b>\$27,273</b>	<b>\$2,727</b>	<b>\$30,000</b>	<b>\$30,000</b>
<i>7/1/18 to 6/30/19 Ohio Cancer Research Associates</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Furuta, Saori	Cancer Biology, Department of			100	
<b>C-126180-02</b>	<b>Role of CXCR4-LASP-1 axis in modulating the activity of Argonaute2-TNRC6 in breast cancer cells</b>	<b>No</b>	<b>\$27,273</b>	<b>\$2,727</b>	<b>\$30,000</b>	<b>\$30,000</b>
<i>7/1/18 to 6/30/20 Ohio Cancer Research Associates</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Raman, Dayanidhi	Cancer Biology, Department of			100	
<b>N-126620-01-A1</b>	<b>Role of reduced nitric oxide in ECM stiffening for breast cancer initiation</b>	<b>No</b>	<b>\$165,000</b>	<b>\$33,000</b>	<b>\$198,000</b>	<b>\$198,000</b>
<i>1/1/19 to 12/31/19 American Cancer Society - National</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Furuta, Saori	Cancer Biology, Department of			100	

## 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>
<b>Cancer Biology, Department of</b>						
<b>N-126948-01</b>	<b>Inhibiting BRD9 in Melanoma</b>	<b>No</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$180,000</b>
<i>10/1/18 to 9/30/20 Melanoma Research Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	DeLaSerna, Ivana	Cancer Biology, Department of	85			
Co-I	Baum, Caitlin Emily	Pathology, Department of	5			
Co-I	Blomquist, Thomas M.	Pathology, Department of	5			
Co-I	Yeung, Kam C.	Cancer Biology, Department of	5			
<b>N-127013-01</b>	<b>Characterization of miRNA as negative regulator of the metastasis suppressor gene RKIP and target for anti-metastasis therapy in RKIP-deficient breast cancers</b>	<b>No</b>	<b>\$70,000</b>	<b>\$28,000</b>	<b>\$98,000</b>	<b>\$98,000</b>
<i>8/1/18 to 7/31/19 Fully Honest Corporation Ltd.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yeung, Kam C.	Cancer Biology, Department of	100			
<b>N-127195-01</b>	<b>Role of Reduced Nitric Oxide in Formation of Early-Stage Breast Lesions</b>	<b>No</b>	<b>\$50,989</b>	<b>\$0</b>	<b>\$50,989</b>	<b>\$50,989</b>
<i>7/23/18 to 7/31/23 University of Toledo Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of	100			
Co-PI	Al Agha, Abdelraof Ibrahim	Physician Assistant Studies				
Co-PI	Isailovic, Dragan	Chemistry and Biochemistry, Department of				
Co-PI	Khuder, Sadik	School of Population Health				
Co-PI	Sun, Hongliu	Pathology, Department of				
<b>T-127667-02</b>	<b>Effective targeting surviving dimerization interface with small molecule inhibitors</b>	<b>No</b>	<b>\$223,450</b>	<b>\$119,546</b>	<b>\$342,996</b>	<b>\$137,198</b>
<i>6/1/19 to 5/31/20 National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Liu, JingYuan	Medicine, Department of	60			
Co-I	Zhang, Jian-Ting	Cancer Biology, Department of	40			
Sum of Department ( <b>Cancer Biology, Department of</b> ) Award Count: <b>7.30</b>						<b>\$800,937</b>
<b>Family Medicine, Department of</b>						
<b>C-127000-02</b>	<b>Ohio Opioid Analytics Project</b>	<b>No</b>	<b>\$75,518</b>	<b>\$7,552</b>	<b>\$83,070</b>	<b>\$27,413</b>
<i>7/3/18 to 6/30/19 Ohio Colleges of Medicine Government Resource Center through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	34			
Co-I	Boose, Michelle Delores	Family Medicine, Department of	33			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	33			

## 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>
<b>Family Medicine, Department of</b>						
<b>N-126701-01</b>	<b>Choose Ohio First: PCMH</b>	<b>Yes</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$210,000</b>	<b>\$52,500</b>
<i>7/1/17 to 6/30/18 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice			75	
Co-PI	Hickey, Daniel	Family Medicine, Department of			25	
Stdnt Schol	Ingram, Evan Miles					
Stdnt Schol	Miniato, Mohammed A.					
Stdnt Schol	Najjar, Amira Amanda					
Stdnt Schol	Saleh, Hanan Ahmed					
Stdnt Schol	Shah, Jalpa Mayur					
Stdnt Schol	Sims, Ariel B.					
Sum of Department ( <b>Family Medicine, Department of</b> ) Award Count: <b>0.58</b>						<b>\$79,913</b>
<b>Med Microbiology &amp; Immunology, Department of</b>						
<b>C-120298-10</b>	<b>Choose Ohio First Scholarship Program - Bioinformatics Program</b>	<b>No</b>	<b>\$63,549</b>	<b>\$0</b>	<b>\$63,549</b>	<b>\$63,549</b>
<i>7/1/18 to 6/30/19 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Blumenthal, Robert	Med Microbiology & Immunology, Department of			100	
Stdnt Schol	Cline, Garreth	Med Microbiology & Immunology, Department of				
<b>C-124969-04</b>	<b>Intravital assessment of B. burgdorferi immune clearance in skin</b>	<b>No</b>	<b>\$260,154</b>	<b>\$116,654</b>	<b>\$376,808</b>	<b>\$376,808</b>
<i>6/1/19 to 5/31/20 National Institute of Allergy &amp; Infectious Diseases</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wooten, Ronald Mark	Med Microbiology & Immunology, Department of			100	
<b>N-125817-01-W2</b>	<b>Development of Acyl-homoserine Lactone Derivatives as Anti-thrombotic Agents</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>7/1/17 to 12/31/18 Economic Development Administration through University of Toledo, Main Campus</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Worth, Randall G.	Med Microbiology & Immunology, Department of			100	
<b>N-125914-01-A1</b>	<b>How Non-Transcriptional IRF3 Prevents ALD</b>	<b>No</b>	<b>\$143,750</b>	<b>\$76,906</b>	<b>\$220,656</b>	<b>\$209,623</b>
<i>9/1/18 to 8/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of			95	
Co-I	Hinds, Terry D.	Phys Pharm Met/Cardio Science, Department of			5	
<b>N-126083-01-A1</b>	<b>The role of platelets in oral candidiasis</b>	<b>No</b>	<b>\$291,495</b>	<b>\$143,244</b>	<b>\$434,739</b>	<b>\$217,370</b>
<i>1/1/19 to 12/31/19 National Institute of Dental and Craniofacial Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of			50	
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of			50	

## 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>
<b>Med Microbiology &amp; Immunology, Department of</b>							
<b>N-126957-01</b>	<b>Effect of T cell-platelet aggregates on platelet and T cell activity in lung cancer patients</b>		<b>No</b>	<b>\$24,324</b>	<b>\$0</b>	<b>\$24,324</b>	<b>\$24,324</b>
<i>9/1/18 to 8/31/19 The American Association of Immunologists</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Worth, Randall G.	Med Microbiology & Immunology, Department of				100	
<b>N-127107-01</b>	<b>Virulence inducing signals of Vibrio cholerae</b>		<b>No</b>	<b>\$150,000</b>	<b>\$80,250</b>	<b>\$230,250</b>	<b>\$230,250</b>
<i>1/22/19 to 12/31/19 National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Matson, Jyl S.	Med Microbiology & Immunology, Department of				100	
<b>N-127631-01</b>	<b>Midwest Microbial Pathogenesis Conference (MMPC)</b>		<b>No</b>	<b>\$6,000</b>	<b>\$0</b>	<b>\$6,000</b>	<b>\$6,000</b>
<i>4/15/19 to 3/31/20 Burroughs Wellcome Fund</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Huntley, Jason F.	Med Microbiology & Immunology, Department of				50	
Co-I	Wooten, Ronald Mark	Med Microbiology & Immunology, Department of				50	
<b>N-127678-01</b>	<b>2019 NASTH Research Fellowship</b>		<b>No</b>	<b>\$1,000</b>	<b>\$0</b>	<b>\$1,000</b>	<b>\$1,000</b>
<i>4/22/19 to 3/31/20 North American Society on Thrombosis and Hemostasis</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Worth, Randall G.	Med Microbiology & Immunology, Department of				100	
Sum of Department (Med Microbiology & Immunology, Dep						Award Count: 8.45	<b>\$1,128,924</b>
<b>Medicine, Department of</b>							
<b>C-100043-19</b>	<b>Ryan White Title IV Women, Infants, Children, Youth And Affected Family Members AIDS Healthcare</b>		<b>No</b>	<b>\$415,287</b>	<b>\$46,142</b>	<b>\$461,429</b>	<b>\$461,429</b>
<i>8/1/18 to 7/31/19 U.S. Department of Health and Human Services</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Duggan, Joan	Medicine, Department of				100	
<b>C-100389-18</b>	<b>Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program</b>		<b>No</b>	<b>\$425,231</b>	<b>\$47,247</b>	<b>\$472,478</b>	<b>\$472,478</b>
<i>4/1/19 to 3/31/20 HIV/AIDS Bureau</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Duggan, Joan	Medicine, Department of				100	

## Medicine and Life Sciences, College of

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<b>Medicine, Department of</b>								
<b>C-122784-07</b>	<b>A Prospective, Multicenter, Single-Blind, Randomized, Controlled Trial Comparing the Moxy™ Drug-Coated Balloon vs. Standard Balloon Angioplasty for Treatment of Femoropopliteal Arteries</b>			<b>No</b>	<b>\$394</b>	<b>\$106</b>	<b>\$500</b>	<b>\$500</b>
<i>9/14/11 to 8/30/18</i>	<i>Lutonix Inc</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Burket, Mark	Medicine, Department of				70		
Co-I	Cooper, Christopher	Medicine, Department of				15		
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine						
Co-I	Nahhas, Ahed T.	Medicine, Department of				15		
<b>C-123246-05</b>	<b>The Role of Endothelin-I in Patients with Heart Failure and Pulmonary Venous Hypertension</b>			<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>7/1/18 to 12/19/18</i>	<i>Gilead Sciences, Inc.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Khouri, Samer J.	Medicine, Department of				100		
Co-I	Chowdhury, Mohammed Andalee	Medicine, Department of						
Co-I	Cooper, Christopher	Medicine, Department of						
Co-I	Tinkel, Jodi Lee	Resid Prgm-Medicine						
Stdnt Schol	Gallagher, Casey Strong							
<b>C-123296-03</b>	<b>Pulmonary Arterial Hypertension Quality Enhancement Research Initiative Extension Program (P AH EX), Protocol Number CHRC 002</b>			<b>No</b>	<b>\$888</b>	<b>\$240</b>	<b>\$1,128</b>	<b>\$1,128</b>
<i>7/1/18 to 11/26/18</i>	<i>Actelion Clinical Operations, Inc.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Kahaleh, M Bashar	Medicine, Department of				100		
Co-I	Khouri, Samer J.	Medicine, Department of				0		
<b>C-123876-06</b>	<b>A 24-Month, Single-Center, Pilot, Open-Label, Randomized, Controlled Trial to Evaluate the Efficacy and Safety of Calcineurin-Inhibitor Elimination or Reduction [...]Everolimus®/Myfortic® versus Reduced Dose tacrolimus/ Everolimus® in Adult Renal Transplant Recipients [ . . . ]</b>			<b>No</b>	<b>\$112,731</b>	<b>\$36,074</b>	<b>\$148,804</b>	<b>\$59,522</b>
<i>7/1/18 to 6/30/19</i>	<i>Novartis</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Rees, Michael A.	Urology, Department of				60		
Co-PI	Kaw, Dinkar	Medicine, Department of				30		
Co-I	Ekwenna, Obi	Urology, Department of						
Co-I	Malhotra, Deepak K.	Medicine, Department of				10		
Co-I	Ratnam, Shobha	Medicine, Department of						

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Medicine, Department of</b>						
<b>C-123999-05</b>	<b>Zilver PTX V</b>	No	\$3,827	\$1,148	\$4,975	\$4,975
7/1/18 to 4/15/19 Cook, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Burket, Mark	Medicine, Department of	100			
Co-I	Nahhas, Ahed T.	Medicine, Department of				
<b>C-124630-05</b>	<b>A Multicenter, Double-blind, Randomized, Placebo-controlled, Phase 3 Study to Assess the Efficacy and Safety of Oral BPS-314d-MR Added-On to Trepstinil, Inhaled (Tyvaso®) in Subjects with Pulmonary Arterial Hypertension</b>	No	\$9,897	\$2,969	\$12,866	\$12,866
5/1/14 to 6/30/19 Lung Biotechnology Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Moukarbel, George Victor	Medicine, Department of	100			
Co-I	Garris, Theresa	Medicine, Department of				
Co-I	Kahaleh, M Bashar	Medicine, Department of				
Co-I	Khouri, Samer J.	Medicine, Department of				
Co-I	Tinkel, Jodi Lee	Resid Prgm-Medicine				
<b>C-124705-05</b>	<b>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")</b>	No	\$5,754	\$1,726	\$7,480	\$7,480
7/24/14 to 6/30/19 Outcome Sciences, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Altorok, Nezam	Medicine, Department of	50			
Co-I	Kahaleh, M Bashar	Medicine, Department of	25			
Co-I	Nagaraja, Vivek	Medicine, Department of	25			
<b>C-124708-04</b>	<b>US-Based, Observational, Drug Registry of Opsumit® (Macitentan) New Users in Clinical Practice</b>	No	\$530	\$170	\$700	\$350
7/1/18 to 6/30/19 Actelion Clinical Operations, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khouri, Samer J.	Medicine, Department of	50			
Co-I	Garris, Theresa	OP-Clinic-Cardiology	50			
<b>C-124711-04</b>	<b>Randomized, Multicenter, Controlled Trial to Compare Best Endovascular versus Best Surgical Therapy in Patients with Critical Limb Ischemia</b>	No	\$12,327	\$3,698	\$16,025	
7/1/18 to 6/30/19 National Heart, Lung & Blood Institute through New England Research Institutes, Inc						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nazzal, Munier M.S.	Surgery, Department of	100			
Co-I	Cooper, Christopher	Medicine, Department of				
Co-I	Maldonado, Henry	Surgery, Department of				

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<b>Medicine, Department of</b>							
<b>C-125287-04</b>	<b>A Prospective, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Preoperative Antithrombin Supplementation In Patients Undergoing High-Risk Cardiac Surgery with Cardiopulmonary Bypass</b>		<b>No</b>	<b>\$28,117</b>	<b>\$8,435</b>	<b>\$36,552</b>	<b>\$5,483</b>
<i>8/20/15 to 6/30/19</i>	<i>Grifols Incorporated</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schwann, Thomas A.	Surgery, Department of				60	
Co-I	Bonnell, Mark	Surgery, Department of				15	
Co-I	Davis, Jennifer Elizabeth	Surgery, Department of				5	
Co-I	Mueller, Connie	Surgery, Department of				5	
Co-I	Sattler, Christina Gail	Medicine, Department of				15	
<b>C-125457-03</b>	<b>A Long Term, Randomised, Double-Blind, Placebo-Controlled Study to Determine the Effect of Albiglutide, when Added to Standard Blood Glucose Lowering Therapies, on Major Cardiovascular Events in Patients with Type 2 Diabetes Mellitus Harmony Outcomes Trial - GLP116174</b>		<b>No</b>	<b>\$4,816</b>	<b>\$1,445</b>	<b>\$6,261</b>	<b>\$6,261</b>
<i>7/1/18 to 4/1/19</i>	<i>GlaxoSmithKline</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Hejeebu, Srini K.	Medicine, Department of				100	
Co-I	Federman, Douglas	Medicine, Department of					
<b>C-125473-03</b>	<b>A Double blind, randomised, placebo-controlled trial evaluating efficacy and safety of oral nintedanib treatment for at least 52 weeks in patients with "Systemic Sclerosis associated Interstitial Lung Disease" (SSc-ILD)</b>		<b>No</b>	<b>\$10,868</b>	<b>\$3,261</b>	<b>\$14,129</b>	<b>\$14,129</b>
<i>7/1/18 to 3/5/19</i>	<i>Boehringer Ingelheim Pharmaceuticals, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of				60	
Co-I	Altork, Nezam	Medicine, Department of				20	
Co-I	Safi, Fadi Alil	Medicine, Department of				20	
<b>C-125658-02</b>	<b>A5332: Randomized Trial to Prevent Vascular Events in HIV - REPRIEVE</b>		<b>Yes</b>	<b>\$16,001</b>	<b>\$4,160</b>	<b>\$20,161</b>	<b>\$20,161</b>
<i>5/1/18 to 4/30/20</i>	<i>National Heart, Lung &amp; Blood Institute through Massachusetts General Hospital</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Duggan, Joan	Medicine, Department of				100	
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of					

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<b>Medicine, Department of</b>						
<b>C-125732-03</b>	<b>Counter Regulatory Mechanisms of Cardiotoxic Steroids in Cardio-Renal Syndrome</b>	No	\$250,000	\$128,750	\$378,750	\$340,875
<i>4/1/19 to 3/31/20 National Heart, Lung &amp; Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kennedy, David Joseph	Medicine, Department of		90		
Co-I	Haller, Steven T.	Medicine, Department of				
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of		5		
Co-I	Tian, Jiang	Medicine, Department of				
Co-I	Zhu, Jianglong	Chemistry and Biochemistry, Department of		5		
<b>C-125820-02</b>	<b>A Randomized Trial Comparing the ELUVIA™ Drug-Eluting Stent Versus Zilver® PTX® Stent for Treatment of Superficial Femoral and/or Proximal Popliteal Arteries</b>	No	\$5,640	\$1,692	\$7,331	\$6,965
<i>7/1/17 to 6/30/18 Boston Scientific Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Burket, Mark	Medicine, Department of		80		
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine		5		
Co-I	Gupta, Rajesh	Medicine, Department of		5		
Co-I	Moukarbel, George Victor	Medicine, Department of		5		
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of		5		
<b>C-125820-03</b>	<b>A Randomized Trial Comparing the ELUVIA™ Drug-Eluting Stent Versus Zilver® PTX® Stent for Treatment of Superficial Femoral and/or Proximal Popliteal Arteries</b>	No	\$2,791	\$837	\$3,629	\$3,629
<i>7/1/18 to 6/30/19 Boston Scientific Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Burket, Mark	Medicine, Department of		100		
Co-I	Moza, Ankush	Medicine, Department of				
<b>C-126118-03</b>	<b>A Trial Comparing the Efficacy and Safety of Insulin Degludec and Insulin Glargine 300 units/mL in Subjects with Type 2 Diabetes Mellitus Inadequately Treated with Basal Insulin with or without Oral Antidiabetic Drugs - Protocol NN1250-4252</b>	No	\$98,628	\$29,588	\$128,216	\$128,216
<i>7/1/18 to 6/30/19 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		
<b>C-126199-02</b>	<b>Efficacy and Safety of Semaglutide Versus Canaflozin as Add-on to Metformin in Subjects with Type 2 Diabetes (NN9535-4270 Sustain 8)</b>	No	\$9,367	\$2,810	\$12,177	\$12,177
<i>7/1/18 to 2/21/19 Novo Nordisk Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Hejeebu, Srini K.	Medicine, Department of		75		
Co-I	Federman, Douglas	Medicine, Department of		25		

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<b>Medicine, Department of</b>							
<b>C-126227-02</b>	<b>A Phase III Randomised, Double-Blind Trial to Evaluate Efficacy and Safety of Once Daily Empagliflozin 10 mg Compared to Placebo, in Patients with Chronic Heart Failure with Preserved Ejection Fraction (HFpEF)"</b>		<b>No</b>	<b>\$3,680</b>	<b>\$1,104</b>	<b>\$4,784</b>	<b>\$4,784</b>
<i>7/1/18 to 6/30/19</i>	<i>Boehringer Ingelheim Pharmaceuticals, Inc.</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Khoury, Samer J.		Medicine, Department of		85	
	Co-I	Garris, Theresa		Medicine, Department of		5	
	Co-I	Moukarbel, George Victor		Medicine, Department of		5	
	Co-I	Murphy, Laura		Medicine, Department of		5	
<b>C-126316-02</b>	<b>A Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of Oral Treprostinil in Subjects with Pulmonary Hypertension (PH) in Heart Failure with Preserved Ejection Fraction (HFpEF); Protocol # TDE-HF-301</b>		<b>No</b>	<b>\$276</b>	<b>\$88</b>	<b>\$364</b>	<b>\$364</b>
<i>6/20/18 to 6/19/19</i>	<i>United Therapeutics Corporation</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Khoury, Samer J.		Medicine, Department of		85	
	Co-I	Garris, Theresa		Medicine, Department of		5	
	Co-I	Moukarbel, George Victor		Medicine, Department of		5	
	Co-I	Murphy, Laura		Medicine, Department of		5	
<b>C-126317-02</b>	<b>An Open-Label Extension Study of Oral Treprostinil in Subjects with Pulmonary Hypertension (PH) Associated with Heart Failure with Preserved Ejection Fraction (HFpEF) - A Long-Term Follow-up Study to TDE-HF-301; Protocol # TDE-HF-302</b>		<b>No</b>	<b>\$4,262</b>	<b>\$1,364</b>	<b>\$5,626</b>	<b>\$5,626</b>
<i>6/20/17 to 6/19/19</i>	<i>United Therapeutics Corporation</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Khoury, Samer J.		Medicine, Department of		85	
	Co-I	Garris, Theresa		Medicine, Department of		5	
	Co-I	Moukarbel, George Victor		Medicine, Department of		5	
	Co-I	Murphy, Laura		Medicine, Department of		5	
<b>C-126348-02</b>	<b>IRB # 202128, A randomized, multicenter, phase 2 study of DSP-7888 dosing emulsion in combination with bevacizumab versus bevacizumab alone in patients with recurrent or progressive glioblastoma following initial therapy study</b>		<b>No</b>	<b>\$5,962</b>	<b>\$1,789</b>	<b>\$7,751</b>	<b>\$7,751</b>
<i>7/1/18 to 6/30/19</i>	<i>Boston Biomedical</i>						
	<u>Role</u>	<u>Name</u>		<u>Department</u>		<u>% Credit</u>	
	PI/PD	Schroeder, Jason Lee		Surgery, Department of			
	Co-I	Nemunaitis, John J.		Medicine, Department of		100	

## Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Medicine, Department of</b>						
<b>C-126355-02</b>	<b>Myocardial Ischemia and Transfusion (MINT)</b>	<b>No</b>	<b>\$22,308</b>	<b>\$6,692</b>	<b>\$29,000</b>	<b>\$29,000</b>
6/1/17 to 5/31/18 <i>National Institutes of Health through Rutgers University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sheikh, Mujeeb Abdul	Medicine, Department of	100			
Co-I	Alhazmi, Luai	Medicine, Department of				
Co-I	Assiri, Salem Ali	Medicine, Department of				
Co-I	Burket, Mark	Medicine, Department of				
Co-I	Chowdhury, Mohammed Andalee	Medicine, Department of				
Co-I	Cook, Jered	Medicine, Department of				
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine				
Co-I	Farah, Amjad	Medicine, Department of				
Co-I	Gupta, Rajesh	Medicine, Department of				
Co-I	Khouri, Samer J.	Medicine, Department of				
Co-I	Moukarbel, George Victor	Medicine, Department of				
Co-I	Murphy, Laura	Medicine, Department of				
Co-I	Sabbagh, Ebrahim	Medicine, Department of				
Co-I	Shafiq, Qaiser	Medicine, Department of				
Co-I	Syed, Mubbasher Ameer	Medicine, Department of				
Co-I	Towheed, Arooge	Medicine, Department of				
<b>C-126355-03</b>	<b>Myocardial Ischemia and Transfusion (MINT)</b>	<b>No</b>	<b>\$40,000</b>	<b>\$12,000</b>	<b>\$52,000</b>	<b>\$52,000</b>
6/1/18 to 5/31/19 <i>National Institutes of Health through Rutgers University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sheikh, Mujeeb Abdul	Medicine, Department of	100			
<b>C-126414-02</b>	<b>OPsumit Historical USers cohort study (OrPHeUS), a multicenter, retrospective chart review of first-time Opsumit (macitentan) users in the United States - Protocol AC-055-510</b>	<b>No</b>	<b>\$6,317</b>	<b>\$2,021</b>	<b>\$8,338</b>	<b>\$8,338</b>
7/1/18 to 9/9/19 <i>Pharmaceutical Research Associates, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khouri, Samer J.	Medicine, Department of	100			
<b>C-126415-02</b>	<b>A Phase 2/3, Randomized, Open-Label Study Comparing Oral Ixazomib/Dexamethasone and Oral Pomalidomide/Dexamethasone in Relapsed and/or Refractory Multiple Myeloma - Protocol C16029</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
7/28/17 to 7/27/19 <i>Millennium Pharmaceuticals, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Vergheese, Cherian	Medicine, Department of	90			
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of	10			

## 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>
<b>Medicine, Department of</b>							
<b>C-126461-02</b>	<b>A Phase III, randomized, multicenter, parallel-group, non inferiority study evaluating the efficacy, safety, and tolerability of switching to dolutegravir plus lamivudine in HIV 1 infected adults who are virologically suppressed</b>		<b>No</b>	<b>\$188</b>	<b>\$57</b>	<b>\$245</b>	<b>\$245</b>
7/1/18 to 4/1/19	GlaxoSmithKline						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Duggan, Joan	Medicine, Department of				80	
Co-I	Suleyman, Geehan	Medicine, Department of				20	
<b>C-126600-02</b>	<b>The Randomized and Controlled Noninferiority Trial to Evaluate Safety and Clinical Efficacy of the SurVeil™ Drug-Coated Balloon in the Treatment of Subjects with Stenotic Lesions of the Femoropopliteal Artery Compared to the Medtronic IN.PACT® Admiral® Drug-Coated Balloon. (TRANSCEND)</b>		<b>No</b>	<b>\$24,585</b>	<b>\$7,376</b>	<b>\$31,961</b>	<b>\$31,961</b>
7/1/18 to 6/30/19	Surmodics, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Burket, Mark	Medicine, Department of				100	
Co-I	Shafiq, Qaiser	Medicine, Department of					
<b>C-126777-02</b>	<b>An open-label extension trial to assess the long term safety of nintedanib in patients with Systemic Sclerosis associated Interstitial Lung Disease (SSc-ILD)</b>		<b>No</b>	<b>\$13,834</b>	<b>\$4,150</b>	<b>\$17,984</b>	<b>\$17,984</b>
7/1/18 to 12/6/18	Boehringer Ingelheim Pharmaceuticals, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of				100	
<b>C-126847-04</b>	<b>The Melanocortinergic pathway in glomerular disease</b>		<b>No</b>	<b>\$227,790</b>	<b>\$121,868</b>	<b>\$349,658</b>	<b>\$349,658</b>
6/1/19 to 5/31/20	National Institute of Diabetes, Digestive & Kidney Diseases						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Gong, Rujun	Medicine, Department of				98	
Co-I	Dworkin, Lance	Medicine, Department of				2	
<b>C-126909-02</b>	<b>A Phase III Randomised, Double-Blind Trial to Evaluate Efficacy and Safety of Once Daily Empagliflozin 10 mg Compared to Placebo, in Patients with Chronic Heart Failure with reduced Ejection Fraction (HFREF" Protocol No 1245.121</b>		<b>No</b>	<b>\$7,604</b>	<b>\$2,281</b>	<b>\$9,885</b>	<b>\$9,885</b>
7/1/18 to 6/30/19	Boehringer Ingelheim Pharmaceuticals, Inc.						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Khouri, Samer J.	Medicine, Department of				100	

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<b>Medicine, Department of</b>						
<b>C-126971-02</b>	<b>A Randomized Phase 2 Trial of AM0010 in Combination with Pembrolizumab vs. Pembrolizumab Alone as First-line Therapy in Patients with Metastatic Non-Small Cell Lung Cancer whose Tumors Have High PD-L1 Expression</b>	<b>No</b>	<b>\$385</b>	<b>\$115</b>	<b>\$500</b>	<b>\$500</b>
<i>7/1/18 to 4/11/19 ARMO BioSciences, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>C-127002-02</b>	<b>A Randomized Phase 2 Trial of AM0010 in Combination with Nivolumab Vs. Nivolumab Alone s Second Line Therapy in Patients With Stage IV/Metastatic Wild Type Non-Small Cell Lung Cancer and Low Tumor Expression of PD-L1</b>	<b>No</b>	<b>\$89,122</b>	<b>\$26,737</b>	<b>\$115,859</b>	<b>\$115,859</b>
<i>7/1/18 to 4/11/19 ARMO BioSciences, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-101598-01</b>	<b>PRECISION: Prospective Randomized Evaluation of Celecoxib Integrated Safety vs. Ibuprofen or Naproxen...</b>	<b>Yes</b>	<b>\$300</b>	<b>\$75</b>	<b>\$375</b>	<b>\$375</b>
<i>4/6/07 to 6/30/17 Pfizer, Inc. through INC Research, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Akpunonu, Basil	Medicine, Department of	100			
Co-I	Bittar, Samih	Medicine, Department of				
Co-I	Bruhl, Steven	Resid Prgm-Medicine				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Vijendra, Divya					
Stdnt Schol	Baas, Tiffany Renee	Medicine, Department of				

## Medicine and Life Sciences, College of

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<b>Medicine, Department of</b>						
<b>N-125739-01</b>	<b>Parent Site: Case Comprehensive Cancer Center</b>	<b>Yes</b>	<b>\$18,920</b>	<b>\$0</b>	<b>\$18,920</b>	
<i>1/1/16 to 12/31/26 National Cancer Institute through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chen, Changhu	Radiation Oncology, Department of	100			
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Jain, Samay	Medicine, Department of				
Co-I	Klepacz, Daniel S.	Medicine, Department of				
Co-I	Klepacz, Heather					
Co-I	Mohamed, Iman E.	Medicine, Department of				
Co-I	Reddy, Krishna	Dana Conference Center				
Co-I	Shahrour, Khaled	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
<b>N-126102-01-A1</b>	<b>MicroRNA-based therapy for rheumatoid arthritis</b>	<b>No</b>	<b>\$3,305</b>	<b>\$1,768</b>	<b>\$5,073</b>	<b>\$5,073</b>
<i>7/12/18 to 6/30/19 National Institutes of Health through Washington State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khuder, Sadik	Medicine, Department of	100			
<b>N-126493-01</b>	<b>Targeting anthracycline resistance as a novel strategy to treat TNBC</b>	<b>No</b>	<b>\$359,398</b>	<b>\$89,850</b>	<b>\$449,248</b>	
<i>8/7/18 to 8/6/21 Susan G. Komen for the Cure</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Tiwari, Amit K.	Pharmacology, Department of	100			
Statistician	Khuder, Sadik	Medicine, Department of				
<b>N-126685-01</b>	<b>Role of histone Methyltransferase EZH3 in Acute and Chronic Renal Injury</b>	<b>No</b>	<b>\$6,157</b>	<b>\$3,294</b>	<b>\$9,451</b>	<b>\$9,451</b>
<i>9/15/18 to 7/31/19 National Institutes of Health through Rhode Island Hospital</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dworkin, Lance	Medicine, Department of	100			
<b>N-126741-01</b>	<b>A Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 3 Trial to Evaluate Efficacy and Safety of Lenabasum in Diffuse Cutaneous Systemic Sclerosis Protocol No. JBT101-SSc-002</b>	<b>No</b>	<b>\$20,129</b>	<b>\$6,039</b>	<b>\$26,168</b>	<b>\$26,168</b>
<i>1/17/18 to 6/30/19 Corbus Pharmaceuticals</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Kahaleh, M Bashar	Medicine, Department of	100			

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<b>Medicine, Department of</b>								
<b>N-126765-01</b>	<b>Paraoxonase-1 regulation of renal inflammation in Chronic Kidney Disease</b>			<b>No</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$10,000</b>
<i>7/1/18 to 6/30/19 ASN Foundation for Kidney Research</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kennedy, David Joseph	Medicine, Department of			100		
	Stdnt Schol	Khalaf, Fatimah Kareem Khalaf	Medicine, Department of					
<b>N-126966-01</b>	<b>PISCES OMS I-103: A MULTICENTER PHASE 2, ADAPTIVE, OPEN-LABEL TRIAL OF INTRATUMORAL PIL-12 PLUS ELECTROPORATION IN COMBINATION WITH PEMBROLIZUMAB IN PATIENTS WITH STAGE III/IV MELANOMA WHO ARE PROGRESSING ON EITHER PEMBROLIZUMAB OR NIVOLUMAB TREATMENT</b>			<b>No</b>	<b>\$12,019</b>	<b>\$3,606</b>	<b>\$15,625</b>	<b>\$15,625</b>
<i>3/28/18 to 3/27/19 OncoSec Medical Incorporated</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Nemunaitis, John J.	Medicine, Department of			100		
	Co-I	Albrethsen, Mary	Medicine, Department of					
	Co-I	Ashraf, Mushtaq	Medicine, Department of					
	Co-I	Chaudhuri, Prabir	Surgery, Department of					
	Co-I	Hamouda, Danae M.	Medicine, Department of					
	Co-I	Skeel, Roland	Medicine, Department of					
	Co-I	Vergheese, Cherian	Medicine, Department of					
	Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-126968-01-W1</b>	<b>Ad-p53-002; A Phase 2, Multi-Center, Open Label, Randomized Study to Evaluate Efficacy and Safety of Adenoviral p53 (Ad-p53) in combination with Nivolumab versus Nivolumab alone in Patients with Recurrent Head and Neck Squamous Cell Carcinoma (HNSCC)</b>			<b>No</b>	<b>\$31,593</b>	<b>\$9,478</b>	<b>\$41,071</b>	<b>\$41,071</b>
<i>5/3/18 to 5/2/19 MultiVir Inc.</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Nemunaitis, John J.	Medicine, Department of			100		
	Co-I	Albrethsen, Mary	Medicine, Department of					
	Co-I	Ashraf, Mushtaq	Medicine, Department of					
	Co-I	Elsamaloty, Haitham M.	Radiology, Department of					
	Co-I	Hamouda, Danae M.	Medicine, Department of					
	Co-I	Skeel, Roland	Medicine, Department of					
	Co-I	Vergheese, Cherian	Medicine, Department of					
	Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					

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<b>Medicine, Department of</b>						
<b>N-127023-01</b>	<b>STANDARD CHEMOTHERAPY VERSUS CHEMOTHERAPY CHOSEN BY CANCER STEM CELL CHEMOSENSITIVITY TESTING IN THE MANAGEMENT OF PATIENTS WITH RECURRENT GLIOBLASTOMA MULTIFORME (GBM). IRB#202696</b>	<b>No</b>	<b>\$4,231</b>	<b>\$1,269</b>	<b>\$5,500</b>	<b>\$2,750</b>
4/9/18 to 4/8/19	<i>Cordgenics, LLC</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Schroeder, Jason Lee	Surgery, Department of		50		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Nemunaitis, John J.	Medicine, Department of		50		
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
<b>N-127064-01</b>	<b>Cardi-OH</b>	<b>No</b>	<b>\$100,585</b>	<b>\$10,059</b>	<b>\$110,644</b>	<b>\$110,644</b>
7/3/18 to 6/30/19	<i>Ohio Department of Medicaid 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		
<b>N-127091-01</b>	<b>eFT508 in Combination With PD-1/PD-L1 Inhibitor Therapy: A Study of Subjects Administered Anti-PD-1/Anti-PD-L1 Therapy That Are Experiencing Insufficient Response to Checkpoint Inhibitor Alone</b>	<b>No</b>	<b>\$87,140</b>	<b>\$26,142</b>	<b>\$113,282</b>	<b>\$113,282</b>
7/3/18 to 6/30/19	<i>eFFECTOR Therapeutics</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127177-01</b>	<b>Role of hematopoietic-specific MC1R in immune mediated proteinuric glomerulopathy</b>	<b>No</b>	<b>\$209,279</b>	<b>\$111,964</b>	<b>\$321,243</b>	<b>\$321,243</b>
1/31/19 to 1/31/20	<i>Mallinckrodt LLC</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Gong, Rujun	Medicine, Department of		90		
Co-I	Dworkin, Lance	Medicine, Department of		10		

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Medicine, Department of</b>						
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	<b>No</b>	<b>\$1,126,799</b>	<b>\$107,300</b>	<b>\$1,234,099</b>	<b>\$617,050</b>
<i>11/7/18 to 6/30/19</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-I	Altork, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of		5		
Co-I	Pappada, Scott Michael	Anesthesiology, Department of		20		
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health		25		
Co-I	Williams, Kristi	Psychiatry, Department of				
<b>N-127180-01</b>	<b>A Phase 3, Open-Label, Randomized, Parallel Group Study to Evaluate the Efficacy and Safety of Intrapleural Administration of Adenovirus-Delivered Interferon Alpha-2b (rAd-IFN) in Combination with Celecoxib and Gemcitabine in Patients with Malignant Pleural Mesothelioma</b>	<b>Yes</b>	<b>\$11,346</b>	<b>\$3,404</b>	<b>\$14,750</b>	<b>\$14,750</b>
<i>11/29/18 to 11/28/19</i>	<i>Trizell</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
Co-I	Willey, James	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, 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>
<b>Medicine, Department of</b>						
<b>N-127186-01</b>	<b>Retrospective and Prospective International EkoSonic Registry of the Treatment and Clinical Outcomes of Patients with Pulmonary Embolism-KNOCOUT PE</b>	<b>No</b>	<b>\$10,587</b>	<b>\$3,388</b>	<b>\$13,975</b>	<b>\$12,997</b>
<i>7/2/18 to 6/30/19 EKOS Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gupta, Rajesh	Medicine, Department of	82			
Co-I	Burket, Mark	Medicine, Department of	1			
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine	5			
Co-I	Moukarbel, George Victor	Medicine, Department of	5			
Co-I	Nazzal, Munier M.S.	Surgery, Department of	1			
Co-I	Osman, Mohamed F.	Surgery, Department of	1			
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of	5			
<b>N-127202-01</b>	<b>A Phase 1/2 Safety, Pharmacokinetic &amp; Pharmacodynamic Study of APS001F W/ Flucytosine &amp; Maltose for the Treatment of Advanced and/or Metastatic Solid Tumors</b>	<b>No</b>	<b>\$154,002</b>	<b>\$49,281</b>	<b>\$203,282</b>	<b>\$203,282</b>
<i>10/9/18 to 6/30/19 Anaeropharma Science</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Elsamaloty, Haitham M.	Radiology, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127204-01</b>	<b>A Phase 1/2 Study to Investigate the Safety, Biologic and Anti-tumor Activity of ONCOS-102 in Combination With Durvalumab in Subjects With Advanced Peritoneal Malignancies</b>	<b>Yes</b>	<b>\$26,575</b>	<b>\$7,973</b>	<b>\$34,548</b>	<b>\$34,548</b>
<i>10/16/18 to 10/15/19 Ludwig Institute for Cancer Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, 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>
<b>Medicine, Department of</b>							
<b>N-127205-01</b>	<b>A Phase 2, Non-Randomized, Open Label, Single Arm, Multi-Center Study of Talazoparib for Neoadjuvant Treatment of Germline BRCA1/2 Mutation Patients with Early Triple-Negative Breast Cancer</b>			<b>No</b>	<b>\$9,280</b>	<b>\$2,970</b>	<b>\$12,250</b>
<i>10/9/18 to 6/30/19</i>	<i>Pfizer, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Klepacz, Heather	Surgery, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127208-01</b>	<b>Prostacyclin Receptor (IP) and Prostacyclin Synthase (PTGIS) Expression in Scleroderma Vascular Smooth Muscle Cells (vSMCs) and Microvascular Endothelial Cells (MVECs)</b>			<b>No</b>	<b>\$70,558</b>	<b>\$21,167</b>	<b>\$91,725</b>
<i>11/28/18 to 11/27/19</i>	<i>United Therapeutics Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of				40	
Co-PI	Altorok, Nezam	Medicine, Department of				30	
Co-I	Wang, Yongqing	Medicine, Department of				30	
<b>N-127215-01</b>	<b>A Phase 1/1b, Multicenter, Open-label Trial of Oncolytic MG1 Expressing Mutant Human Papilloma Virus (HPV) E6 and E7 (MG1-E6E7), with Adenovirus Vaccine Expressing Mutant HPV E6 and E7 (Ad-E6E7) and Atezolizumab in Patients with HPV Associated Cancers</b>			<b>Yes</b>	<b>\$55,391</b>	<b>\$16,617</b>	<b>\$72,008</b>
<i>10/11/18 to 10/10/19</i>	<i>Turnstone Biologics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Elsamaloty, Haitham M.	Radiology, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, 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>
<b>Medicine, Department of</b>							
<b>N-127236-01</b>	<b>A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Assess the Efficacy, Safety, and Pharmacokinetics of KBP-5074 in Patients With Moderate-to-Severe Chronic Kidney Disease and Uncontrolled Hypertension</b>		<b>No</b>	<b>\$8,144</b>	<b>\$2,606</b>	<b>\$10,750</b>	<b>\$10,750</b>
<i>7/27/18 to 6/30/19</i>	<i>Medpace, Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Dworkin, Lance	Medicine, Department of				50	
Co-I	Alam, Zubia R.	Medicine, Department of				50	
<b>N-127238-01</b>	<b>NN1250-4419 SWITCH PRO - A randomised, cross-over, open-label, multi-centre trial comparing the effect of insulin degludec and insulin glargine 100U/mL, with or without OADs in subjects with type 2 diabetes using flash glucose monitoring incorporated, Trial Phase IV</b>		<b>No</b>	<b>\$57,404</b>	<b>\$18,369</b>	<b>\$75,773</b>	<b>\$75,773</b>
<i>9/23/18 to 6/30/19</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				75	
Co-I	Federman, Douglas	Medicine, Department of				25	
<b>N-127257-01</b>	<b>A Phase 2, Multicenter, Single-Arm Trial of CV301 in Combination with PD-1/L1 Blockade in Patients with Locally Advanced or Metastatic Urothelial Bladder Cancer</b>		<b>Yes</b>	<b>\$12,350</b>	<b>\$3,705</b>	<b>\$16,055</b>	<b>\$16,055</b>
<i>12/18/18 to 12/17/19</i>	<i>Bavarian Nordic A/S</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127261-01</b>	<b>Potential Benefit of non-invasive Vagus Nerve Stimulation (nVNS) using gammaCore in the treatment of Raynaud's Phenomena</b>		<b>No</b>	<b>\$102,690</b>	<b>\$32,861</b>	<b>\$135,551</b>	<b>\$135,551</b>
<i>12/7/18 to 12/6/19</i>	<i>electroCore</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Kahaleh, M Bashar	Medicine, Department of				80	
Co-I	Altork, Nezam	Medicine, Department of				20	

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<b>Medicine, Department of</b>							
<b>N-127262-01</b>	<b>A Phase 3, Interventional, Randomized, Multicenter, Open-Label Study of DCC-2618 vs Sunitinib in Patients with Advanced Gastrointestinal Stromal Tumors after Treatment with Imatinib</b>		<b>Yes</b>	<b>\$25,662</b>	<b>\$7,699</b>	<b>\$33,361</b>	<b>\$33,361</b>
<i>12/10/18 to 12/9/19</i>	<i>Deciphera Pharmaceuticals, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127268-01</b>	<b>An Open-label, Phase 1B Study of NEO-PV-01 + CD40 Agonist Antibody (APX005M) or Ipilimumab with Nivolumab in Patients with Advanced or Metastatic Melanoma</b>		<b>Yes</b>	<b>\$10,865</b>	<b>\$3,260</b>	<b>\$14,125</b>	<b>\$14,125</b>
<i>12/5/18 to 12/4/19</i>	<i>Neon Therapeutics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127352-01-W1</b>	<b>A multicenter study w an open-label Phase Ib part followed by a rand. placebo controlled, double blind, Phase II part to evaluate efficacy, safety, tolerability, pharmacokinetics of the DNA PK inhibitor M3814 in comb w capecitabine and radiotherapy in participants w locally advanced rectal cancer</b>		<b>Yes</b>	<b>\$9,554</b>	<b>\$2,866</b>	<b>\$12,420</b>	<b>\$12,420</b>
<i>1/25/19 to 1/24/20</i>	<i>EMD Sorono</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					

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<b>Medicine, Department of</b>						
<b>N-127357-01</b>	<b>Turnstone: PELICAN (Melanoma Phase 1 with MAGEA3) study CTA</b>	<b>No</b>	<b>\$22,610</b>	<b>\$7,235</b>	<b>\$29,845</b>	<b>\$29,845</b>
<i>12/6/18 to 8/12/19</i>	<i>Turnstone Biologics</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127414-01</b>	<b>A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 2 Pilot Evaluating the Efficacy and Safety of Intravenous Iloprost in Subjects With Raynaud's Phenomenon Secondary to Systemic Sclerosis</b>	<b>No</b>	<b>\$11,837</b>	<b>\$3,788</b>	<b>\$15,625</b>	<b>\$15,625</b>
<i>3/4/19 to 6/30/19</i>	<i>Medpace, Inc</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kahaleh, M Bashar	Medicine, Department of		100		
<b>N-127428-01</b>	<b>eFT508 in Combination With PD-1/PD-L1 Inhibitor Therapy (the "Study Drug") in accordance with Clinical Research Protocol Number eFT508-0009 entitled "A Phase 2 Non-randomized Open-label Study Examining the Effect of eFT508 in Patients with Advanced Castrate-resistant Prostate Cancer (CRPC)</b>	<b>No</b>	<b>\$9,716</b>	<b>\$3,109</b>	<b>\$12,825</b>	<b>\$12,825</b>
<i>1/30/19 to 6/30/19</i>	<i>eFFECTOR Therapeutics</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127544-01</b>	<b>A Phase I/Ib Open-Label, Multi-Center, Dose-Escalation Study to Investigate the Safety, Pharmacokinetics and Preliminary Efficacy of Intravenous NBF 006 in Patients with Non-Small Cell Lung (NSCLC), Pancreatic or Colorectal Cancer</b>	<b>No</b>	<b>\$10,701</b>	<b>\$3,424</b>	<b>\$14,125</b>	<b>\$14,125</b>
<i>4/2/19 to 6/30/19</i>	<i>Nitto BioPharma</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				

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<b>Medicine, Department of</b>						
<b>N-127611-01</b>	<b>MINHC project</b>	<b>No</b>	<b>\$18,518</b>	<b>\$1,482</b>	<b>\$20,000</b>	<b>\$10,000</b>
<i>3/1/19 to 8/31/19 Health Resources &amp; Services Administration through University of Illinois at Chicago</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sahloff, Eric G.	Pharmacy Practice, Department of	50			
Co-PI	Duggan, Joan	Medicine, Department of	50			
<b>N-127623-01</b>	<b>Phase IB Trial of Metformin, Digoxin, Simvastatin in Subjects with Advanced Pancreatic Cancer and Other Advanced Solid Tumors</b>	<b>No</b>	<b>\$224,804</b>	<b>\$25,196</b>	<b>\$250,000</b>	<b>\$250,000</b>
<i>6/1/19 to 5/31/20 Hal &amp; Susan Fetterman</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127650-01</b>	<b>An Assay to Detect Multi-Organ Dysfunction Syndrome</b>	<b>No</b>	<b>\$7,014</b>	<b>\$701</b>	<b>\$7,715</b>	<b>\$7,715</b>
<i>4/15/19 to 4/14/20 F.M. Douglass Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Assaly, Ragheb	Medicine, Department of	100			
<b>R-100389-17-S1</b>	<b>Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program</b>	<b>No</b>	<b>\$319,971</b>	<b>\$31,997</b>	<b>\$351,968</b>	<b>\$351,968</b>
<i>4/1/18 to 3/31/19 HIV/AIDS Bureau</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Duggan, Joan	Medicine, Department of	100			
<b>R-101303-14</b>	<b>Social Marketing Advertising CTR</b>	<b>No</b>	<b>\$33,215</b>	<b>\$0</b>	<b>\$33,215</b>	<b>\$33,215</b>
<i>1/1/19 to 12/31/19 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			
<b>S-125682-01-S2</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>	<b>No</b>	<b>\$545,632</b>	<b>\$96,848</b>	<b>\$642,480</b>	
<i>2/1/18 to 1/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Howard, Marthe	Neurosciences, Department of	100			
Co-I	Blomquist, Thomas M.	Pathology, Department of				
Co-I	Kalinoski, Andrea L.	Surgery, Department of				
Co-I	Margiotta, Joseph	Neurosciences, Department of				
Co-I	Willey, James	Medicine, Department of				

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<b>Medicine, Department of</b>							
<b>T-127667-02</b>	<b>Effective targeting surviving dimerization interface with small molecule inhibitors</b>		<b>No</b>	<b>\$223,450</b>	<b>\$119,546</b>	<b>\$342,996</b>	<b>\$205,798</b>
<i>6/1/19 to 5/31/20</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Liu, JingYuan	Medicine, Department of			60		
Co-I	Zhang, Jian-Ting	Cancer Biology, Department of			40		
Sum of Department ( <b>Medicine, Department of</b> ) Award Count: <b>65.93</b>							<b>\$5,136,020</b>
<b>Neurology, Department of</b>							
<b>C-124563-04</b>	<b>Efficacy and Safety of ADS-5102 (Amantadine HCl) Extended Release Capsules for the Treatment of Levodopa Induced Dyskinesia in Parkinson's Disease Patients, and ADS-AMT- PD302 entitled "Open-Label Safety Study of ADS-5102"</b>		<b>No</b>	<b>\$8,761</b>	<b>\$2,628</b>	<b>\$11,389</b>	<b>\$11,389</b>
<i>7/1/18 to 5/8/19</i>	<i>Adamas Pharmaceuticals</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of			100		
<b>C-124574-04</b>	<b>Long-Term, prospective, multinational, parallel-cohort study monitoring safety in patients with MS newly started on fingolimod once daily or treated with another approved disease-modifying therapy</b>		<b>No</b>	<b>\$1,346</b>	<b>\$404</b>	<b>\$1,750</b>	<b>\$1,750</b>
<i>7/1/18 to 6/30/19</i>	<i>Novartis</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Ramsey-Williams, Vicki A.	Neurology, Department of			80		
Co-I	Koffman, Boyd	Neurology, Department of			20		
<b>C-125177-04</b>	<b>A Phase 2 Clinical Trial of the VX15/2503 Antibody in Huntington's Disease</b>		<b>No</b>	<b>\$195,868</b>	<b>\$58,760</b>	<b>\$254,629</b>	<b>\$254,629</b>
<i>7/1/18 to 6/30/19</i>	<i>Huntington Study Group</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of			100		
<b>C-125431-03</b>	<b>An Open-Label, Phase 3 Study Examining the Long-Term Safety, Tolerability and Efficacy of APL-130277 in Levodopa Responsive Patients with Parkinson's Disease Complicated by Motor Fluctuations</b>		<b>No</b>	<b>\$44,374</b>	<b>\$13,312</b>	<b>\$57,686</b>	<b>\$57,686</b>
<i>7/1/18 to 6/30/19</i>	<i>Cynapsus Therapeutics Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Elmer, Lawrence	Neurology, Department of			100		
Co-I	Scott, Mary E.	Neurology, Department of					

## Medicine and Life Sciences, College of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Neurology, Department of</b>								
<b>C-125470-03</b>	<b>A Clinical Study of Patients with Symptomatic Neurogenic Orthostatic Hypotension to Assess Sustained Effects of Droxidopa Therapy (Study No. 16306A)</b>			No	\$1,315	\$485	\$1,800	\$1,800
12/17/15 to 6/30/19	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					
<b>C-125472-03</b>	<b>A Phase 3, Long-term, Open-label study of Istradefylline in Subjects with Moderate to Severe Parkinson's Disease (Protocol 60002-018)</b>			No	\$2,542	\$763	\$3,305	\$3,305
7/1/18 to 4/20/19	Kyowa Hakko Kirin, Co., Ltd.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
<b>C-125477-03</b>	<b>A Double-Blind, Controlled Phase 2B Study of the Safety and Efficacy of Modified Stem Cells (SB623) in Patients with Chronic Motor Deficit from Ischemic Stroke</b>			No	\$22,589	\$7,228	\$29,817	\$20,872
7/1/18 to 6/30/19	Sunovion Pharmaceuticals							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Jumaa, Mouhammad A.	Neurology, Department of			35		
	Co-I	Wuescher, Christian Andrew	Orthopaedic Surgery, Department of			30		
	Co-I	Zaidi, Syed Fazal Abbas	Neurology, Department of			35		
<b>C-125629-03</b>	<b>A Phase III Multicenter, Randomized, Double-Blind, Double Dummy, Active-Controlled study Comparing the Efficacy and Safety of Gastric Retentive, Controlled Release Accordian Pill™ Carbidopa/Levodopa (AP-CD/LD) to immediate Release CD/LD in Fluctuating Parkinson's Disease Patients</b>			No	\$49,549	\$14,865	\$64,414	\$64,414
2/29/16 to 6/30/19	Pharmaceutical Research Associates, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
<b>C-125867-03</b>	<b>A 15-Week, Phase 2, Double Blind, Randomized, Placebo-Controlled, Flexible Dose Study to Investigate the Efficacy, Safety &amp; Tolerability of PF-06649751 in Subjects with Early Stage Parkinson's Disease</b>			No	\$2,154	\$646	\$2,800	\$2,800
10/14/16 to 8/20/18	Pfizer, Inc.							
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of			100		
	Co-I	Scott, Mary E.	Neurology, Department of					

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Neurology, Department of</b>							
C-126796-02	<b>A Phase 3, 12 Wk, Multi-Ctr, Multinational, Rand., Double-Blind, Double-Dummy, Parallel Group Study to Det. the Efficacy, Safety, &amp; Tol. of P2B001 Once Daily Compared to its Individual Components in Subjects W/ Early Parkinson's Disease &amp; to a Calibration Arm of Pramipexole ER, Protocol P2B001/003</b>		No	\$59,768	\$17,930	\$77,698	\$77,698
7/1/18 to 6/30/19	Pharma Two B Ltd.						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of		100		
	Co-I	Rashid, Mehmood	Neurology, Department of				
N-125520-01	<b>An Open-Level, Multi-Center, Follow-Up Study Designed to Evaluate the Long-Term Effects of AP-CD/LD in Fluctuating Parkinson's Disease Subjects who Completed Study IN 11 004"</b>		No	\$6,261	\$1,878	\$8,140	\$8,140
2/29/16 to 6/30/19	Pharmaceutical Research Associates, Inc.						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of		100		
N-127182-01	<b>Designed for DATA</b>		No	\$138,604	\$11,088	\$149,692	\$14,969
9/30/18 to 9/29/19	Substance Abuse and Mental Health Services Administration						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		30		
	Co-I	Ali, Imran	Neurology, Department of		10		
	Co-I	Singh, Tanvir	Psychiatry, Department of		30		
	Co-I	Williams, Kristi	Psychiatry, Department of		30		
N-127241-01	<b>Biogen protocol no. 101EP201 entitled "A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Study Exploring the Efficacy, Safety, and Tolerability of Natalizumab (BG00002) as Adjunctive Therapy in Adult Subjects With Drug-Resistant Focal Epilepsy" (the "Trial").</b>		No	\$6,261	\$1,878	\$8,139	\$8,139
1/4/19 to 6/30/19	Biogen, Inc.						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Ali, Imran	Neurology, Department of		100		
N-127297-01	<b>A Double-blind, Placebo-controlled, Relapse Prevention Study of Pimavanserin for the Treatment of Hallucinations and Delusions Associated With Dementia-related Psychosis</b>		No	\$0	\$0	\$0	\$0
5/7/19 to 5/6/20	Acadia Pharmaceuticals, Inc.						
	<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
	PI/PD	Elmer, Lawrence	Neurology, Department of		100		

## Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Neurology, Department of</b>						
N-127418-01	ENGAGE-E-001: A Double-Blind, Placebo-Controlled, Inpatient, Dose-Ranging Efficacy Study of Staccato Alprazolam (STAP-001) in Subjects with Epilepsy with a Predictable Seizure Pattern <i>Engage Therapeutics, Inc</i>	No	\$0	\$0	\$0	\$0
4/1/19 to 6/30/19						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Sheikh, Ajaz Ahmad	Neurology, Department of	100		
N-127467-01-W1	A Randomized, Double-Blind, Placebo-Controlled, Dose Finding Study to Evaluate the Safety and Efficacy of Padsevonil as Adjunctive Treatment of Focal-Onset Seizures in Adult Subjects with Drug-Resistant Epilepsy <i>UCB Biosciences</i>	No	\$10,096	\$3,029	\$13,125	\$13,125
3/4/19 to 6/30/19						
	<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>		
	PI/PD	Ali, Imran	Neurology, Department of	100		
Sum of Department (Neurology, Department of)					Award Count: 14.80	\$540,716

## Neurosciences, Department of

## Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Neurosciences, Department of</b>						
<b>C-125299-03</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$364,491</b>	<b>\$142,231</b>	<b>\$506,722</b>	<b>\$50,672</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of			89	
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of			10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1	
Stdnt Schol	Christ, Nicole Marie	Psychiatry, Department of				
Stdnt Schol	Cotton, Andrew Stephen	Psychiatry, Department of				
Stdnt Schol	Dempsey, Abigail Elizabeth	Psychiatry, Department of				
Stdnt Schol	Duff, Joseph Robert	Psychiatry, Department of				
Stdnt Schol	Forbes, Courtney N.	Psychiatry, Department of				
Stdnt Schol	Grau, Aaron Scott	Psychiatry, Department of				
Stdnt Schol	Harless, Nicole Ann	Psychiatry, Department of				
Stdnt Schol	Ickes, Jessica R.	Psychiatry, Department of				
Stdnt Schol	Lu, Christine	Psychiatry, Department of				
Stdnt Schol	Lyu, Xin	Psychiatry, Department of				
Stdnt Schol	Mathews, Jeremy	Psychiatry, Department of				
Stdnt Schol	McDaniel, Mitchell Andre	Psychiatry, Department of				
Stdnt Schol	O'Leary, Brian M.	Psychiatry, Department of				
Stdnt Schol	Radabaugh, Jacob John	Psychiatry, Department of				
Stdnt Schol	Sood, Ambika	Psychiatry, Department of				
Stdnt Schol	Walkosz, Macie	Psychiatry, Department of				
<b>C-125299-03-I01</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$121,497</b>	<b>\$47,411</b>	<b>\$168,908</b>	<b>\$16,891</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of			89	
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of			10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1	

## 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>
<b>Neurosciences, Department of</b>						
<b>C-126970-04-S1</b>	<b>Cell-specific analysis of sub-kinomes in schizophrenia</b>	<b>No</b>	<b>\$13,896</b>	<b>\$7,434</b>	<b>\$21,330</b>	<b>\$21,330</b>
<i>1/1/19 to 4/30/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Robert E.	Neurosciences, Department of	100			
<b>C-126970-05</b>	<b>Cell-specific analysis of sub-kinomes in schizophrenia</b>	<b>No</b>	<b>\$250,000</b>	<b>\$98,052</b>	<b>\$348,052</b>	<b>\$348,052</b>
<i>5/1/19 to 4/30/20 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Robert E.	Neurosciences, Department of	100			
<b>N-127625-01</b>	<b>Ohio I-Corps Program</b>	<b>No</b>	<b>\$13,500</b>	<b>\$1,500</b>	<b>\$15,000</b>	<b>\$7,500</b>
<i>4/1/19 to 10/31/19 Ohio Department of Education through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Park, Joshua Jin-Hyook	Neurosciences, Department of	50			
Co-PI	Kim, Dong Shik	Chemical and Environmental Engineering, Department of	50			
<b>S-125682-01-S2</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>	<b>No</b>	<b>\$545,632</b>	<b>\$96,848</b>	<b>\$642,480</b>	<b>\$642,480</b>
<i>2/1/18 to 1/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Howard, Marthe	Neurosciences, Department of	100			
Co-I	Blomquist, Thomas M.	Pathology, Department of				
Co-I	Kalinoski, Andrea L.	Surgery, Department of				
Co-I	Margiotta, Joseph	Neurosciences, Department of				
Co-I	Willey, James	Medicine, Department of				
<b>S-125682-01-S3</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>	<b>No</b>	<b>\$339,325</b>	<b>\$174,751</b>	<b>\$514,076</b>	<b>\$514,076</b>
<i>2/1/19 to 1/31/20 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Howard, Marthe	Neurosciences, Department of	100			
Co-I	Kalinoski, Andrea L.	Surgery, Department of				
Co-I	Margiotta, Joseph	Neurosciences, Department of				
<b>T-126970-04</b>	<b>Cell-specific analysis of sub-kinomes in schizophrenia</b>	<b>No</b>	<b>\$250,000</b>	<b>\$127,490</b>	<b>\$377,490</b>	<b>\$377,490</b>
<i>1/1/19 to 4/30/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Robert E.	Neurosciences, Department of	100			
		Sum of Department ( <b>Neurosciences, Department of</b> ) Award Count: <b>5.70</b>				<b>\$1,978,491</b>

## Obstetrics & Gynecology, Department of

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Obstetrics &amp; Gynecology, Department of</b>							
<b>C-125527-04</b>	<b>A Phase 3 Study to Evaluate the Efficacy and Safety of Elagolix in Combination with Estradiol/Norethindrone Acetate for the Management of Heavy Menstrual Bleeding Associated with Uterine Fibroids in Premenopausal Women</b>		<b>No</b>	<b>\$9,730</b>	<b>\$2,919</b>	<b>\$12,649</b>	<b>\$6,325</b>
2/29/16 to 2/28/19	AbbVie						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Neuhoff, Ronica	Obstetrics & Gynecology, Department of				35	
PI/PD	Smaili, Sleiman K.	Graduate Studies, College of				50	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of				15	
<b>C-125671-03</b>	<b>A Phase 3 Study to Evaluate the Safety and Efficacy of Elagolix in Combination with Estradiol/Norethindrone Acetate in Subjects with Moderate to Severe Endometriosis-Associated Pain</b>		<b>No</b>	<b>\$4,110</b>	<b>\$1,233</b>	<b>\$5,343</b>	<b>\$4,274</b>
7/1/18 to 6/30/19	AbbVie						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Smaili, Sleiman K.	Graduate Studies, College of				20	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of				20	
Co-I	Neuhoff, Ronica	Obstetrics & Gynecology, Department of				60	
<b>C-126226-02</b>	<b>Extension Study to Evaluate the Efficacy and Safety of Elgalox in Premenopausal Women with Heavy Menstrual Bleeding Associated with Uterine Fibroids - Protocol M12-816</b>		<b>No</b>	<b>\$8,365</b>	<b>\$2,677</b>	<b>\$11,042</b>	<b>\$11,042</b>
4/4/17 to 6/30/19	AbbVie						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Smaili, Sleiman K.	Obstetrics & Gynecology, Department of				20	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of				20	
Co-I	Neuhoff, Ronica	Obstetrics & Gynecology, Department of				60	
<b>C-126681-02</b>	<b>A Phase 3b Study to Evaluate the Long-Term Safety and Efficacy of Elagolix in Combination with Estradiol/Norethindrone Acetate for the Management of Heavy Menstrual Bleeding Associated with Uterine Fibroids in Premenopausal Women</b>		<b>No</b>	<b>\$26,654</b>	<b>\$7,996</b>	<b>\$34,651</b>	<b>\$34,651</b>
7/1/18 to 6/30/19	AbbVie						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Smaili, Sleiman K.	Obstetrics & Gynecology, Department of				100	
Co-I	Brodsky, Burton S.	Obstetrics & Gynecology, Department of					

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>	
<b>Obstetrics &amp; Gynecology, Department of</b>								
<b>N-124707-01</b>	<b>Extension Study to Evaluate the Long-Term Safety and Efficacy of Elagolix in Subjects with Moderate to Severe Endometriosis-Associated Pain</b>		<b>Yes</b>	<b>\$2,019</b>	<b>\$606</b>	<b>\$2,625</b>	<b>\$2,625</b>	
<i>10/6/14 to 10/5/16</i>	<i>AbbVie</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Neuhoff, Ronica	Obstetrics & Gynecology, Department of				60		
Co-I	Betts-Cobau, Teresa	Obstetrics & Gynecology, Department of				10		
Co-I	Smaili, Sleiman K.	Obstetrics & Gynecology, Department of				30		
Sum of Department ( <b>Obstetrics &amp; Gynecology, Department</b> )							Award Count: <b>4.30</b>	<b>\$58,916</b>
<b>Orthopaedic Surgery, Department of</b>								
<b>C-124700-05</b>	<b>Molecular characterization of novel insulin sensitizers</b>		<b>No</b>	<b>\$114,749</b>	<b>\$61,391</b>	<b>\$176,140</b>	<b>\$176,140</b>	
<i>5/1/19 to 4/30/20</i>	<i>National Institute of Diabetes, Digestive &amp; Kidney Diseases through Scripps Research Institute</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Lecka-Czernik, Beata	Orthopaedic Surgery, Department of				100		
<b>C-125477-03</b>	<b>A Double-Blind, Controlled Phase 2B Study of the Safety and Efficacy of Modified Stem Cells (SB623) in Patients with Chronic Motor Deficit from Ischemic Stroke</b>		<b>No</b>	<b>\$22,589</b>	<b>\$7,228</b>	<b>\$29,817</b>	<b>\$8,945</b>	
<i>7/1/18 to 6/30/19</i>	<i>Sunovion Pharmaceuticals</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Jumaa, Mouhammad A.	Neurology, Department of				35		
Co-I	Wuescher, Christian Andrew	Orthopaedic Surgery, Department of				30		
Co-I	Zaidi, Syed Fazal Abbas	Neurology, Department of				35		
<b>N-127178-01</b>	<b>Use of a Cellular Bone Matrix in Spinal Fusion: A Retrospective Analysis</b>		<b>No</b>	<b>\$113,846</b>	<b>\$34,154</b>	<b>\$148,000</b>		
<i>5/16/18 to 5/15/19</i>	<i>LifeNet Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elgafy, Hossein	Orthopedics				100		
Co-I	Semaan, Hassan	Resid Prgm-Radiology						
Stdnt Schol	Mierzwa, Adam Thomas	Orthopaedic Surgery, Department of						
Stdnt Schol	Rowland, Andrea N.	Orthopaedic Surgery, Department of						
Sum of Department ( <b>Orthopaedic Surgery, Department of</b> )							Award Count: <b>1.30</b>	<b>\$185,085</b>
<b>Orthopedics</b>								

## 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>
<b>Orthopedics</b>								
<b>N-127016-01</b>	<b>Common mechanisms regulating osteocyte support for bone remodeling and energy metabolism</b>			<b>No</b>	<b>\$104,532</b>	<b>\$10,453</b>	<b>\$114,985</b>	<b>\$114,985</b>
<i>1/1/19 to 12/31/19</i>	<i>American Diabetes Association-National</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Lecka-Czernik, Beata	Orthopedics				100		
<b>N-127178-01</b>	<b>Use of a Cellular Bone Matrix in Spinal Fusion: A Retrospective Analysis</b>			<b>No</b>	<b>\$113,846</b>	<b>\$34,154</b>	<b>\$148,000</b>	<b>\$148,000</b>
<i>5/16/18 to 5/15/19</i>	<i>LifeNet Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Elgafy, Hossein	Orthopedics				100		
Co-I	Semaan, Hassan	Resid Prgm-Radiology						
Stdnt Schol	Mierzwa, Adam Thomas	Orthopaedic Surgery, Department of						
Stdnt Schol	Rowland, Andrea N.	Orthopaedic Surgery, Department of						
<b>N-127407-01</b>	<b>Orthopedic Anatomy sessions</b>			<b>No</b>	<b>\$6,000</b>	<b>\$0</b>	<b>\$6,000</b>	<b>\$6,000</b>
<i>1/4/19 to 4/11/19</i>	<i>Johnson &amp; Johnson Medical Device Business Services Inc</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Ebraheim, Nabil	Orthopedics				100		
Sum of Department ( <b>Orthopedics</b> ) Award Count: <b>3.00</b>								<b>\$268,985</b>
<b>Pathology, Department of</b>								
<b>C-127210-02</b>	<b>Histopathology correlated quantitative analysis of lung nodules with LDCT for early detection of lung cancer</b>			<b>No</b>	<b>\$3,797</b>	<b>\$2,031</b>	<b>\$5,828</b>	<b>\$5,828</b>
<i>5/1/19 to 4/30/20</i>	<i>National Institutes of Health through University of Michigan</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Sun, Hongliu	Pathology, Department of				100		
<b>N-126948-01</b>	<b>Inhibiting BRD9 in Melanoma</b>			<b>No</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$20,000</b>
<i>10/1/18 to 9/30/20</i>	<i>Melanoma Research Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	DeLaSerna, Ivana	Cancer Biology, Department of				85		
Co-I	Baum, Caitlin Emily	Pathology, Department of				5		
Co-I	Blomquist, Thomas M.	Pathology, Department of				5		
Co-I	Yeung, Kam C.	Cancer Biology, 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>	
<b>Pathology, Department of</b>								
<b>N-127195-01</b>	<b>Role of Reduced Nitric Oxide in Formation of Early-Stage Breast Lesions</b>		<b>No</b>	<b>\$50,989</b>	<b>\$0</b>	<b>\$50,989</b>		
<i>7/23/18 to 7/31/23</i>	<i>University of Toledo Foundation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of			100			
Co-PI	Al Agha, Abdelraof Ibrahim	Physician Assistant Studies						
Co-PI	Isailovic, Dragan	Chemistry and Biochemistry, Department of						
Co-PI	Khuder, Sadik	School of Population Health						
Co-PI	Sun, Hongliu	Pathology, Department of						
<b>N-127210-01</b>	<b>Histopathology correlated quantitative analysis of lung nodules with LDCT for early detection of lung cancer</b>		<b>No</b>	<b>\$3,797</b>	<b>\$2,031</b>	<b>\$5,828</b>	<b>\$5,828</b>	
<i>5/1/18 to 4/30/19</i>	<i>National Institutes of Health through University of Michigan</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Sun, Hongliu	Pathology, Department of			100			
<b>S-125682-01-S2</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>		<b>No</b>	<b>\$545,632</b>	<b>\$96,848</b>	<b>\$642,480</b>		
<i>2/1/18 to 1/31/19</i>	<i>National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Howard, Marthe	Neurosciences, Department of			100			
Co-I	Blomquist, Thomas M.	Pathology, Department of						
Co-I	Kalinoski, Andrea L.	Surgery, Department of						
Co-I	Margiotta, Joseph	Neurosciences, Department of						
Co-I	Willey, James	Medicine, Department of						
Sum of Department ( <b>Pathology, Department of</b> )							Award Count: <b>2.10</b>	<b>\$31,656</b>
<b>Pediatrics, Department of</b>								
<b>N-124314-01</b>	<b>A Phase 2 Multicenter. Single Dose. Randomized. Double Blind. Placebo Controlled. Parallel Group Study Evaluating the Safety and Efficacy of Two Doses of Stannsporfin in Combination with Phototherapy in Neonates</b>		<b>Yes</b>	<b>\$38</b>	<b>\$12</b>	<b>\$50</b>	<b>\$50</b>	
<i>9/17/13 to 2/8/17</i>	<i>Quintiles, Inc.</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Blumer, Jeffrey L.	Pediatrics, Department of			100			
<b>N-124536-01</b>	<b>A 48-52 Month Blinded-Outcomes Follow up Study of Subjects Having Received Stannsporfin or Placebo in Clinical Trial 64,185-204 (Infacare 64,185-205)</b>		<b>Yes</b>	<b>\$(1,173)</b>	<b>\$(352)</b>	<b>\$(1,525)</b>	<b>\$(1,525)</b>	
<i>9/17/13 to 2/8/17</i>	<i>InfaCare Pharmaceutical Corporation</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>			
PI/PD	Blumer, Jeffrey L.	Pediatrics, Department of			100			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Pediatrics, Department of</b>						
<b>N-125254-01</b>	<b>5994- SOLI – Solithromycin Pediatric Development Program</b>	<b>Yes</b>	<b>\$(15,385)</b>	<b>\$(4,615)</b>	<b>\$(20,000)</b>	<b>\$(20,000)</b>
8/15/15 to 8/14/16 <i>Cempra Inc through Duke Clinical Research Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Blumer, Jeffrey L.	Pediatrics, Department of	100			
<b>N-125413-01</b>	<b>Wk Order 3 An Open-Label Rand. Multi-Center Study to Eval. Efficacy &amp; Safety of a Single Dose of Oral Solithromycin Comp. to SingleDose Intramuscular Ceftriaxone + Single-Dose Oral Azithromycin in Treatment of Patients w/ Uncomplicated Urogenital Gonorrhea w/ or w/out Concomitant Chlamydia</b>	<b>Yes</b>	<b>\$180</b>	<b>\$54</b>	<b>\$234</b>	<b>\$234</b>
8/3/15 to 6/2/17 <i>Clinical Research Management, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Blumer, Jeffrey L.	Pediatrics, Department of	100			
Dir Ctr/Inst	Rosolowski, Bonnie Jean	Pediatrics, Department of				
<b>N-125823-01</b>	<b>A Phase 2/3, Randomized, Open-Label, Multi-Center Study to Determine the Safety and Efficacy of Solithromycin in Adolescents (12 to 17 yrs. of age, inclusive) and Children (&gt;2 mos. to &lt;12 yrs. of age) w/ Suspected or Confirmed Community-Acquired Bacterial Pneumonia (CABP)</b>	<b>Yes</b>	<b>\$(7,519)</b>	<b>\$(2,256)</b>	<b>\$(9,775)</b>	<b>\$(9,775)</b>
2/23/16 to 11/30/16 <i>Cempra Inc through Duke Clinical Research Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Blumer, Jeffrey L.	Pediatrics, Department of	100			
Dir Ctr/Inst	Rosolowski, Bonnie Jean	Pediatrics, Department of				
<b>N-127455-01</b>	<b>Reach Out and Read- Additional Funds</b>	<b>No</b>	<b>\$7,800</b>	<b>\$0</b>	<b>\$7,800</b>	<b>\$7,800</b>
7/1/18 to 6/30/19 <i>Reach Out and Read</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Stricklen-Ruiz, Valarie	Pediatrics, Department of	5			
Co-PI	Legendre, Lori R.	Pediatrics, Department of	95			
<b>R-010085-40</b>	<b>Regional Comprehensive Genetics Services</b>	<b>No</b>	<b>\$147,613</b>	<b>\$0</b>	<b>\$147,613</b>	<b>\$147,613</b>
7/1/18 to 6/30/19 <i>Ohio Department of Health - Federal Pass-Through Funds</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Quinn, Eileen A.	Pediatrics, Department of	100			
<b>R-125194-03</b>	<b>Reach Out and Read</b>	<b>No</b>	<b>\$19,435</b>	<b>\$0</b>	<b>\$19,435</b>	<b>\$19,435</b>
8/6/18 to 8/6/19 <i>Reach Out and Read</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Stricklen-Ruiz, Valarie	Pediatrics, Department of	10			
Co-I	Legendre, Lori R.	Pediatrics, Department of	90			
Sum of Department ( <b>Pediatrics, Department of</b> ) Award Count: <b>8.00</b>						<b>\$143,832</b>

## Phys Pharm Met/Cardio Science, Department of

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				<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Phys Pharm Met/Cardio Science, Department of</b>								
<b>C-124233-05</b>	<b>Defective melanocortin signaling underlying T2D-associated erectile dysfunction</b>			No	\$225,126	\$98,417	\$323,543	\$323,543
<i>2/1/19 to 1/31/20 National Institute of Child Health &amp; Human Development</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Hill, Jennifer E.W.	Phys Pharm Met/Cardio Science, Department of			100		
<b>C-124358-02-S1</b>	<b>Antioxidant-PPARalpha interaction reduces adiposity</b>			No	\$17,575	\$1,407	\$18,982	\$18,982
<i>11/1/15 to 10/31/16 National Heart, Lung &amp; Blood Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Hinds, Terry D.	Phys Pharm Met/Cardio Science, Department of			100		
<b>C-124358-05</b>	<b>Antioxidant-PPARalpha interaction reduces adiposity</b>			No	\$151,123	\$12,090	\$163,213	\$163,213
<i>11/1/18 to 10/31/19 National Institutes of Health</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Hinds, Terry D.	Phys Pharm Met/Cardio Science, Department of			100		
<b>C-125185-03</b>	<b>Resp18 a novel genetic determinant of blood pressure regulation and renal function</b>			No	\$70,000	\$7,000	\$77,000	\$77,000
<i>7/1/18 to 6/30/19 American Heart Association - National</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kumarasamy, Sivarajan	Phys Pharm Met/Cardio Science, Department of			100		
<b>C-125610-03</b>	<b>Coupled transitions of FK506-binding domains in molecular design and signaling</b>			No	\$30,000	\$16,050	\$46,050	\$46,050
<i>1/1/19 to 12/31/19 National Institutes of Health through Health Research, Inc.</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Sanchez, Edwin	Phys Pharm Met/Cardio Science, Department of			100		
<b>C-126570-02</b>	<b>Genetic, Epigenetic and Dietary Salt effects on Microbiota and Hypertension</b>			No	\$431,411	\$230,805	\$662,216	\$662,216
<i>5/1/19 to 4/30/20 National Heart, Lung &amp; Blood Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Joe, Bina	Phys Pharm Met/Cardio Science, Department of			100		
	Co-I	Chakravarti, Ritu	Phys Pharm Met/Cardio Science, Department of					
	Co-I	Kumar, Matam Vijay	Phys Pharm Met/Cardio Science, Department of					
<b>C-126676-03</b>	<b>Interplay between Dietary Fiber and Gut Microbiota in Hepatocellular Carcinoma</b>			No	\$203,869	\$85,475	\$289,344	\$289,344
<i>7/1/18 to 6/30/19 National Cancer Institute</i>								
	<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
	PI/PD	Kumar, Matam Vijay	Phys Pharm Met/Cardio Science, 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>
<b>Phys Pharm Met/Cardio Science, Department of</b>								
<b>C-126704-03</b>	<b>Interplay between Lipocalin 2 and Bacterial Siderophores in Inflammatory Bowel Disease</b>			<b>No</b>	<b>\$58,250</b>	<b>\$0</b>	<b>\$58,250</b>	<b>\$58,250</b>
<i>7/1/18 to 6/30/19</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	Phys Pharm Met/Cardio Science, Department of				100		
<b>C-126745-05</b>	<b>Resource for Rat Genetic Models of Aerobic Capacity</b>			<b>No</b>	<b>\$177,812</b>	<b>\$95,129</b>	<b>\$272,941</b>	<b>\$272,941</b>
<i>7/1/18 to 6/30/19</i>	<i>National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Koch, Lauren Gerard	Phys Pharm Met/Cardio Science, Department of				98		
Co-I	Joe, Bina	Phys Pharm Met/Cardio Science, Department of				2		
<b>C-126785-01-I01</b>	<b>Anti-Inflammatory and Anti-Oxidant Effects of Potato Anthocyanins -- Role of Gut Bacteria</b>			<b>No</b>	<b>\$2,230</b>	<b>\$955</b>	<b>\$3,185</b>	<b>\$3,185</b>
<i>11/1/18 to 10/31/20</i>	<i>U.S. Department of Agriculture through Purdue University</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Kumar, Matam Vijay	Phys Pharm Met/Cardio Science, Department of				100		
<b>C-126924-02</b>	<b>Catalytic Iron: A Novel Regulator of Netosis in Inflammatory Bowel Disease</b>			<b>No</b>	<b>\$58,250</b>	<b>\$0</b>	<b>\$58,250</b>	<b>\$58,250</b>
<i>7/1/18 to 6/30/19</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	Phys Pharm Met/Cardio Science, Department of				100		
<b>N-125914-01-A1</b>	<b>How Non-Transcriptional IRF3 Prevents ALD</b>			<b>No</b>	<b>\$143,750</b>	<b>\$76,906</b>	<b>\$220,656</b>	<b>\$11,033</b>
<i>9/1/18 to 8/31/19</i>	<i>National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Chattopadhyay, Saurabh	Med Microbiology & Immunology, Department of				95		
Co-I	Hinds, Terry D.	Phys Pharm Met/Cardio Science, Department of				5		
<b>N-126570-01</b>	<b>Genetic, Epigenetic and Dietary Salt effects on Microbiota and Hypertension</b>			<b>No</b>	<b>\$421,911</b>	<b>\$225,722</b>	<b>\$647,633</b>	<b>\$647,633</b>
<i>7/10/18 to 4/30/19</i>	<i>National Heart, Lung &amp; Blood Institute</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Joe, Bina	Phys Pharm Met/Cardio Science, Department of				100		
Co-I	Chakravarti, Ritu	Surgery, Department of						
Co-I	Kumar, Matam Vijay	Phys Pharm Met/Cardio Science, Department of						
<b>N-126745-04</b>	<b>Resource for Rat Genetic Models of Aerobic Capacity</b>			<b>No</b>	<b>\$183,180</b>	<b>\$90,190</b>	<b>\$273,370</b>	<b>\$273,370</b>
<i>4/4/18 to 6/30/18</i>	<i>National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Koch, Lauren Gerard	Phys Pharm Met/Cardio Science, Department of				100		
Co-I	Joe, Bina	Phys Pharm Met/Cardio Science, Department of						

## Medicine and Life Sciences, College of

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<b>Phys Pharm Met/Cardio Science, Department of</b>								
<b>N-126965-03</b>	<b>Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis</b>			<b>No</b>	<b>\$162,215</b>	<b>\$86,785</b>	<b>\$249,000</b>	<b>\$249,000</b>
<i>3/1/19 to 11/30/19 National Institute of General Medical Sciences</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Wenceslau, Camilla Ferreira	Phys Pharm Met/Cardio Science, Department of				100		
<b>N-127146-01</b>	<b>Metabolite-sensing receptors mediated regulation of immune response in inflammatory bowel disease</b>			<b>No</b>	<b>\$90,000</b>	<b>\$0</b>	<b>\$90,000</b>	<b>\$90,000</b>
<i>1/1/19 to 12/31/19 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	Phys Pharm Met/Cardio Science, Department of				100		
<b>N-127153-01</b>	<b>Pre-doc Fellowship for Hannah Saternos : Role of ciliary muscarinic acetylcholine receptor 3 in hypertension in Polycystic Kidney Disease</b>			<b>No</b>	<b>\$26,844</b>	<b>\$0</b>	<b>\$26,844</b>	
<i>1/1/19 to 12/31/19 American Heart Association - National</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Aboualaiwi, Wissam Ali	Pharmacology, Department of				100		
Co-I	Joe, Bina	Phys Pharm Met/Cardio Science, Department of						
Stdnt Schol	Saternos, Hannah Coletta	Pharmacology, Department of						
<b>N-127593-01</b>	<b>PZP -22 vaccine</b>			<b>No</b>	<b>\$30,226</b>	<b>\$9,824</b>	<b>\$40,050</b>	<b>\$40,050</b>
<i>3/1/19 to 6/30/19 Humane Society of U.S.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Turner, John	Phys Pharm Met/Cardio Science, Department of				100		
<b>S-125610-02-S2</b>	<b>Coupled transitions of FK506-binding domains in molecular design and signaling</b>			<b>No</b>	<b>\$3,000</b>	<b>\$1,605</b>	<b>\$4,605</b>	<b>\$4,605</b>
<i>1/1/18 to 12/31/18 National Institutes of Health through Health Research, Inc.</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Sanchez, Edwin	Phys Pharm Met/Cardio Science, Department of				100		
<b>T-126704-02</b>	<b>Interplay between Lipocalin 2 and Bacterial Siderophores in Inflammatory Bowel Disease</b>			<b>No</b>	<b>\$28,830</b>	<b>\$0</b>	<b>\$28,830</b>	<b>\$28,830</b>
<i>1/9/18 to 6/30/18 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	Phys Pharm Met/Cardio Science, Department of				100		
<b>T-126924-01</b>	<b>Catalytic Iron: A Novel Regulator of Netosis in Inflammatory Bowel Disease</b>			<b>No</b>	<b>\$28,902</b>	<b>\$0</b>	<b>\$28,902</b>	<b>\$28,902</b>
<i>1/9/18 to 6/30/18 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	Phys Pharm Met/Cardio Science, Department of				100		

## Medicine and Life Sciences, College of

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<b>Phys Pharm Met/Cardio Science, Department of</b>									
<b>T-126965-02</b>	<b>Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis</b>			<b>No</b>	<b>\$16,548</b>	<b>\$1,324</b>	<b>\$17,872</b>	<b>\$17,872</b>	
<i>3/1/19 to 11/30/19</i>	<i>National Institute of General Medical Sciences</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>			
PI/PD	Wenceslau, Camilla Ferreira	Phys Pharm Met/Cardio Science, Department of				100			
<b>T-127042-01</b>	<b>Transfer PI: Cam McCarthy Decreased autophagy leads to proteotoxicity and senescence in hypertension-associated premature vascular aging</b>			<b>No</b>	<b>\$52,216</b>	<b>\$0</b>	<b>\$52,216</b>	<b>\$52,216</b>	
<i>7/1/18 to 6/30/19</i>	<i>American Heart Association - National</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>			
PI/PD	Joe, Bina	Phys Pharm Met/Cardio Science, Department of				100			
<b>T-127235-01</b>	<b>The Influence of Sex and Maturation on Biomechanics of Youth Running</b>			<b>No</b>	<b>\$0</b>	<b>\$1,703</b>	<b>\$1,703</b>	<b>\$1,703</b>	
<i>9/1/18 to 8/31/20</i>	<i>Wisconsin Athletic Trainers' Association</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>			
PI/PD	Bazett-Jones, David Matthew	Phys Pharm Met/Cardio Science, Department of				100			
Co-I	Garcia, Micah Christopher								
Sum of Department (Phys Pharm Met/Cardio Science, Depa								Award Count: 22.05	<b>\$3,418,188</b>
<b>Physician Assistant Studies</b>									
<b>N-127195-01</b>	<b>Role of Reduced Nitric Oxide in Formation of Early-Stage Breast Lesions</b>			<b>No</b>	<b>\$50,989</b>	<b>\$0</b>	<b>\$50,989</b>		
<i>7/23/18 to 7/31/23</i>	<i>University of Toledo Foundation</i>								
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of				100			
Co-PI	Al Agha, Abdelraof Ibrahim	Physician Assistant Studies							
Co-PI	Isailovic, Dragan	Chemistry and Biochemistry, Department of							
Co-PI	Khuder, Sadik	School of Population Health							
Co-PI	Sun, Hongliu	Pathology, Department of							
Sum of Department (Physician Assistant Studies)								Award Count:	
<b>Psychiatry, Department of</b>									
<b>C-010532-24</b>	<b>Adult Psychiatry Residency and Training Program</b>			<b>No</b>	<b>\$38,571</b>	<b>\$1,429</b>	<b>\$40,000</b>	<b>\$40,000</b>	
<i>7/1/18 to 6/30/19</i>	<i>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			

## 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>
<b>Psychiatry, Department of</b>						
<b>C-101317-14</b>	<b>Child and Adolescent Psychiatry Residency and Training Program</b>	<b>No</b>	<b>\$29,048</b>	<b>\$952</b>	<b>\$30,000</b>	<b>\$30,000</b>
<i>7/1/18 to 6/30/19</i>	<i>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	Goyal, Rakesh	Psychiatry, Department of		25		
Co-I	Kelly, Victoria C.	Psychiatry, Department of		25		
<b>C-123813-05</b>	<b>Early Intervention to Reduce Alcohol Misuse and Abuse in the Ohio Army National Guard</b>	<b>No</b>	<b>\$85,454</b>	<b>\$44,008</b>	<b>\$129,462</b>	<b>\$129,462</b>
<i>9/1/18 to 8/31/20</i>	<i>U. S. Army Medical Research and Materiel Command through University Hospitals of Cleveland</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		100		
Co-I	Wryobeck, John	Psychiatry, Department of				
Stdnt Schol	Jouejati, Sadalla	Psychiatry, Department of				

## Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Psychiatry, Department of</b>						
<b>C-125299-03</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$364,491</b>	<b>\$142,231</b>	<b>\$506,722</b>	<b>\$450,983</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of			89	
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of			10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1	
Stdnt Schol	Christ, Nicole Marie	Psychiatry, Department of				
Stdnt Schol	Cotton, Andrew Stephen	Psychiatry, Department of				
Stdnt Schol	Dempsey, Abigail Elizabeth	Psychiatry, Department of				
Stdnt Schol	Duff, Joseph Robert	Psychiatry, Department of				
Stdnt Schol	Forbes, Courtney N.	Psychiatry, Department of				
Stdnt Schol	Grau, Aaron Scott	Psychiatry, Department of				
Stdnt Schol	Harless, Nicole Ann	Psychiatry, Department of				
Stdnt Schol	Ickes, Jessica R.	Psychiatry, Department of				
Stdnt Schol	Lu, Christine	Psychiatry, Department of				
Stdnt Schol	Lyu, Xin	Psychiatry, Department of				
Stdnt Schol	Mathews, Jeremy	Psychiatry, Department of				
Stdnt Schol	McDaniel, Mitchell Andre	Psychiatry, Department of				
Stdnt Schol	O'Leary, Brian M.	Psychiatry, Department of				
Stdnt Schol	Radabaugh, Jacob John	Psychiatry, Department of				
Stdnt Schol	Sood, Ambika	Psychiatry, Department of				
Stdnt Schol	Walkosz, Macie	Psychiatry, Department of				
<b>C-125299-03-I01</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$121,497</b>	<b>\$47,411</b>	<b>\$168,908</b>	<b>\$150,328</b>
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Wang, Xin	Psychiatry, Department of			89	
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of			10	
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of			1	

## 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>
<b>Psychiatry, Department of</b>						
<b>C-126073-02</b>	<b>CO2 Inhalation enhances the liability of fear memory</b>	<b>No</b>	<b>\$250,000</b>	<b>\$89,100</b>	<b>\$339,100</b>	<b>\$16,955</b>
<i>1/1/19 to 12/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Du, Jianyang	Biological Sciences, Department of	90			
Co-I	Sari, Youssef	Pharmacology, Department of	5			
Co-I	Wang, Xin	Psychiatry, Department of	5			
<b>C-127000-02</b>	<b>Ohio Opioid Analytics Project</b>	<b>No</b>	<b>\$75,518</b>	<b>\$7,552</b>	<b>\$83,070</b>	<b>\$28,244</b>
<i>7/1/18 to 6/30/19 Ohio Colleges of Medicine Government Resource Center through Ohio State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	34			
Co-I	Boose, Michelle Delores	Family Medicine, Department of	33			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	33			
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>	<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$12,499</b>
<i>9/30/18 to 9/29/19 Substance Abuse and Mental Health Services Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lewandowski, Linda A.	Nursing, College of	20			
Co-I	Gray, Temeaka A.	Nursing, College of	10			
Co-I	Johnson, Tressa S.	University Police	10			
Co-I	Laux, John Micah	School of Intervention & Wellness	10			
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of	10			
Co-I	Petra, Megan Meta	School of Social Justice	10			
Co-I	Riddick, Vicki L.	Human Resources	10			
Co-I	Thompson, Amy J.	School of Population Health	20			
<b>N-127090-01</b>	<b>Screening and Brief interventions in a Medical Clinic</b>	<b>No</b>	<b>\$4,630</b>	<b>\$370</b>	<b>\$5,000</b>	<b>\$5,000</b>
<i>9/1/18 to 8/31/19 American Psychiatric Association Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of	100			
Co-I	Dynes, Morgan Elizabeth	Psychiatry, Department of				
Co-I	Knox, Michele	Psychiatry, Department of				

## Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Psychiatry, Department of</b>						
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	No	\$1,126,799	\$107,300	\$1,234,099	
11/7/18 to 6/30/19	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-I	Altork, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of		5		
Co-I	Pappada, Scott Michael	Anesthesiology, Department of		20		
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health		25		
Co-I	Williams, Kristi	Psychiatry, Department of				
<b>N-127182-01</b>	<b>Designed for DATA</b>	No	\$138,604	\$11,088	\$149,692	\$134,723
9/30/18 to 9/29/19	Substance Abuse and Mental Health Services Administration					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		30		
Co-I	Ali, Imran	Neurology, Department of		10		
Co-I	Singh, Tanvir	Psychiatry, Department of		30		
Co-I	Williams, Kristi	Psychiatry, Department of		30		
<b>N-127192-01</b>	<b>Emergency Department Case Manager</b>	No	\$60,000	\$0	\$60,000	\$60,000
5/1/18 to 4/30/19	Ohio Department of Mental Health and Addiction Services					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		100		
<b>N-127523-01</b>	<b>Opioid Overdose Reduction Program</b>	No	\$31,819	\$3,181	\$35,000	\$35,000
3/20/19 to 3/30/20	City of Toledo					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		100		
<b>N-127604-01</b>	<b>Ohio State Opioid Response (SOR) Project</b>	No	\$356,818	\$35,682	\$392,500	\$392,500
2/15/19 to 9/28/19	Substance Abuse and Mental Health Services Administration through Mental Health and Recovery Services Board					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	McCullumsmith, Cheryl Beth	Psychiatry, Department of		100		
Sum of Department (Psychiatry, Department of)					Award Count: 10.17	\$1,485,694

## Public Hlth/Homeland Security, Department of

## Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Public Hlth/Homeland Security, Department of</b>						
<b>N-127528-01</b>	<b>Study and Wellness Tips for Exams</b>	<b>No</b>	<b>\$1,500</b>	<b>\$0</b>	<b>\$1,500</b>	<b>\$1,500</b>
<i>6/1/19 to 5/31/20 Ohio College Health Association</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Glassman, Tavis J.	Public Hlth/Homeland Security, Department of	100			
<b>R-124040-03</b>	<b>Health Promotion Coach Agreement</b>	<b>No</b>	<b>\$95,697</b>	<b>\$9,569</b>	<b>\$105,266</b>	<b>\$105,266</b>
<i>6/1/19 to 5/31/20 Board of County (Lucas) Commissioners</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Boardley, Debra J.	Public Hlth/Homeland Security, Department of	100			
Sum of Department ( <b>Public Hlth/Homeland Security, Depar</b> )						Award Count: <b>2.00</b>
						<b>\$106,766</b>
<b>Radiation Oncology, Department of</b>						
<b>N-125739-01</b>	<b>Parent Site: Case Comprehensive Cancer Center</b>	<b>Yes</b>	<b>\$18,920</b>	<b>\$0</b>	<b>\$18,920</b>	<b>\$18,920</b>
<i>1/1/16 to 12/31/26 National Cancer Institute through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chen, Changhu	Radiation Oncology, Department of	100			
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Jain, Samay	Medicine, Department of				
Co-I	Klepacz, Daniel S.	Medicine, Department of				
Co-I	Klepacz, Heather					
Co-I	Mohamed, Iman E.	Medicine, Department of				
Co-I	Reddy, Krishna	Dana Conference Center				
Co-I	Shahrour, Khaled	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
<b>N-125817-01-W7</b>	<b>The University of Toledo Rocket Fuel Fund</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>12/1/17 to 5/31/19 Economic Development Administration through University of Toledo, Main Campus</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Parsai, E Ishmael	Radiation Oncology, Department of	34			
Co-PI	Elahinia, Mohammad	Mechanical, Industrial, and Manufacturing Engineering, Department of	33			
Co-I	Elliott, David A.	Radiation Oncology, Department of	33			
Sum of Department ( <b>Radiation Oncology, Department of</b> )						Award Count: <b>1.67</b>
						<b>\$18,920</b>
<b>Radiology, Department of</b>						

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Radiology, Department of</b>						
<b>N-125468-01</b>	<b>First Sense Breast Exam/Therma-Scan System to Collect Data to Det. the Safety &amp; Efficacy of the Investigational Device for Purp. Incl. but not Limited to, Submission of an Application to the FDA to Obtain Premarket Clearance or Premarket Approval to Commercially Market the Investigational Device</b>	<b>Yes</b>	<b>\$6,538</b>	<b>\$1,962</b>	<b>\$8,500</b>	<b>\$8,500</b>
<i>11/30/15 to 11/29/16 FirstSense Medical LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Elsamaloty, Haitham M.	Radiology, Department of	100			
Co-I	Lewis, Terrence J.	Radiology, Department of				
<b>N-126968-01-W1</b>	<b>Ad-p53-002; A Phase 2, Multi-Center, Open Label, Randomized Study to Evaluate Efficacy and Safety of Adenoviral p53 (Ad-p53) in combination with Nivolumab versus Nivolumab alone in Patients with Recurrent Head and Neck Squamous Cell Carcinoma (HNSCC)</b>	<b>No</b>	<b>\$31,593</b>	<b>\$9,478</b>	<b>\$41,071</b>	
<i>5/3/18 to 5/2/19 MultiVir Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Elsamaloty, Haitham M.	Radiology, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-127202-01</b>	<b>A Phase 1/2 Safety, Pharmacokinetic &amp; Pharmacodynamic Study of APS001F W/ Flucytosine &amp; Maltose for the Treatment of Advanced and/or Metastatic Solid Tumors</b>	<b>No</b>	<b>\$154,002</b>	<b>\$49,281</b>	<b>\$203,282</b>	
<i>10/9/18 to 6/30/19 Anaeropharma Science</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Nemunaitis, John J.	Medicine, Department of	100			
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Elsamaloty, Haitham M.	Radiology, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, 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>
<b>Radiology, Department of</b>						
<b>N-127215-01</b>	<b>A Phase 1/1b, Multicenter, Open-label Trial of Oncolytic MG1 Expressing Mutant Human Papilloma Virus (HPV) E6 and E7 (MG1-E6E7), with Adenovirus Vaccine Expressing Mutant HPV E6 and E7 (Ad-E6E7) and Atezolizumab in Patients with HPV Associated Cancers</b>	<b>Yes</b>	<b>\$55,391</b>	<b>\$16,617</b>	<b>\$72,008</b>	
<i>10/11/18 to 10/10/19</i>	<i>Turnstone Biologics</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Elsamaloty, Haitham M.	Radiology, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Verghese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
Sum of Department ( <b>Radiology, Department of</b> )						Award Count: <b>1.00</b>
						<b>\$8,500</b>
<b>Resid Prgm-Administrative</b>						
<b>N-127254-01</b>	<b>Travel Grant for Medical Device Business Services</b>	<b>No</b>	<b>\$4,000</b>	<b>\$0</b>	<b>\$4,000</b>	<b>\$4,000</b>
<i>9/13/18 to 11/1/18</i>	<i>Johnson &amp; Johnson Medical Device Business Services Inc</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Henning, Christen E.	Resid Prgm-Administrative		100		
Sum of Department ( <b>Resid Prgm-Administrative</b> )						Award Count: <b>1.00</b>
						<b>\$4,000</b>
<b>Resid Prgm-Family Practice</b>						
<b>C-126701-02</b>	<b>2018-2019 Choose Ohio First: PCMH</b>	<b>No</b>	<b>\$270,000</b>	<b>\$0</b>	<b>\$270,000</b>	<b>\$270,000</b>
<i>7/1/18 to 6/30/19</i>	<i>Ohio Department of Higher Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice		100		

## 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>
<b>Resid Prgm-Family Practice</b>						
<b>N-126701-01</b>	<b>Choose Ohio First: PCMH</b>	<b>Yes</b>	<b>\$210,000</b>	<b>\$0</b>	<b>\$210,000</b>	<b>\$157,500</b>
<i>7/1/17 to 6/30/18 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Schaefer, Paul L.	Resid Prgm-Family Practice	75			
Co-PI	Hickey, Daniel	Family Medicine, Department of	25			
Stdnt Schol	Ingram, Evan Miles					
Stdnt Schol	Miniato, Mohammed A.					
Stdnt Schol	Najjar, Amira Amanda					
Stdnt Schol	Saleh, Hanan Ahmed					
Stdnt Schol	Shah, Jalpa Mayur					
Stdnt Schol	Sims, Ariel B.					
Sum of Department ( <b>Resid Prgm-Family Practice</b> )						<b>Award Count: 1.75</b>
						<b>\$427,500</b>
<b>Resid Prgm-Medicine</b>						
<b>C-122784-07</b>	<b>A Prospective, Multicenter, Single-Blind, Randomized, Controlled Trial</b>	<b>No</b>	<b>\$394</b>	<b>\$106</b>	<b>\$500</b>	
<b>Comparing the Moxly™ Drug-Coated Balloon vs. Standard Balloon</b>						
<b>Angioplasty for Treatment of Femoropopliteal Arteries</b>						
<i>9/14/11 to 8/30/18 Lutonix Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Burket, Mark	Medicine, Department of	70			
Co-I	Cooper, Christopher	Medicine, Department of	15			
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine				
Co-I	Nahhas, Ahed T.	Medicine, Department of	15			
<b>C-123246-05</b>	<b>The Role of Endothelin-I in Patients with Heart Failure and Pulmonary</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Venous Hypertension</b>						
<i>7/1/18 to 12/19/18 Gilead Sciences, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khouri, Samer J.	Medicine, Department of	100			
Co-I	Chowdhury, Mohammed Andalee	Medicine, Department of				
Co-I	Cooper, Christopher	Medicine, Department of				
Co-I	Tinkel, Jodi Lee	Resid Prgm-Medicine				
Stdnt Schol	Gallagher, Casey Strong					

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award</u> <u>Credit</u>
<b>Resid Prgm-Medicine</b>							
<b>C-124630-05</b>	<b>A Multicenter, Double-blind, Randomized, Placebo-controlled, Phase 3 Study to Assess the Efficacy and Safety of Oral BPS-314d-MR Added-On to Trepstinil, Inhaled (Tyvaso®) in Subjects with Pulmonary Arterial Hypertension</b>		<b>No</b>	<b>\$9,897</b>	<b>\$2,969</b>	<b>\$12,866</b>	
<i>5/1/14 to 6/30/19</i>	<i>Lung Biotechnology Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Moukarbel, George Victor	Medicine, Department of				100	
Co-I	Garris, Theresa	Medicine, Department of					
Co-I	Kahaleh, M Bashar	Medicine, Department of					
Co-I	Khoury, Samer J.	Medicine, Department of					
Co-I	Tinkel, Jodi Lee	Resid Prgm-Medicine					
<b>C-125820-02</b>	<b>A Randomized Trial Comparing the ELUVIA™ Drug-Eluting Stent Versus Zilver® PTX® Stent for Treatment of Superficial Femoral and/or Proximal Popliteal Arteries</b>		<b>No</b>	<b>\$5,640</b>	<b>\$1,692</b>	<b>\$7,331</b>	<b>\$367</b>
<i>7/1/17 to 6/30/18</i>	<i>Boston Scientific Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Burket, Mark	Medicine, Department of				80	
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine				5	
Co-I	Gupta, Rajesh	Medicine, Department of				5	
Co-I	Moukarbel, George Victor	Medicine, Department of				5	
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of				5	
<b>C-126355-02</b>	<b>Myocardial Ischemia and Transfusion (MINT)</b>		<b>No</b>	<b>\$22,308</b>	<b>\$6,692</b>	<b>\$29,000</b>	
<i>6/1/17 to 5/31/18</i>	<i>National Institutes of Health through Rutgers University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Sheikh, Mujeeb Abdul	Medicine, Department of				100	
Co-I	Alhazmi, Luai	Medicine, Department of					
Co-I	Assiri, Salem Ali	Medicine, Department of					
Co-I	Burket, Mark	Medicine, Department of					
Co-I	Chowdhury, Mohammed Andalee	Medicine, Department of					
Co-I	Cook, Jered	Medicine, Department of					
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine					
Co-I	Farah, Amjad	Medicine, Department of					
Co-I	Gupta, Rajesh	Medicine, Department of					
Co-I	Khoury, Samer J.	Medicine, Department of					
Co-I	Moukarbel, George Victor	Medicine, Department of					
Co-I	Murphy, Laura	Medicine, Department of					
Co-I	Sabbagh, Ebrahim	Medicine, Department of					
Co-I	Shafiq, Qaiser	Medicine, Department of					
Co-I	Syed, Mubbasher Ameer	Medicine, Department of					
Co-I	Towheed, Arooge	Medicine, Department of					

## Medicine and Life Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Resid Prgm-Medicine</b>						
<b>N-101598-01</b>	<b>PRECISION: Prospective Randomized Evaluation of Celecoxib Integrated Safety vs. Ibuprofen or Naproxen...</b>	<b>Yes</b>	<b>\$300</b>	<b>\$75</b>	<b>\$375</b>	
<i>4/6/07 to 6/30/17 Pfizer, Inc. through INC Research, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Akpunonu, Basil	Medicine, Department of	100			
Co-I	Bittar, Samih	Medicine, Department of				
Co-I	Bruhl, Steven	Resid Prgm-Medicine				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Vijendra, Divya					
Stdnt Schol	Baas, Tiffany Renee	Medicine, Department of				
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	<b>No</b>	<b>\$1,126,799</b>	<b>\$107,300</b>	<b>\$1,234,099</b>	
<i>11/7/18 to 6/30/19 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-I	Altork, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of	5			
Co-I	Pappada, Scott Michael	Anesthesiology, Department of	20			
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health	25			
Co-I	Williams, Kristi	Psychiatry, Department of				
<b>N-127186-01</b>	<b>Retrospective and Prospective International EkoSonic Registry of the Treatment and Clinical Outcomes of Patients with Pulmonary Embolism-KNOCOUT PE</b>	<b>No</b>	<b>\$10,587</b>	<b>\$3,388</b>	<b>\$13,975</b>	<b>\$699</b>
<i>7/2/18 to 6/30/19 EKOS Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gupta, Rajesh	Medicine, Department of	82			
Co-I	Burket, Mark	Medicine, Department of	1			
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine	5			
Co-I	Moukarbel, George Victor	Medicine, Department of	5			
Co-I	Nazzal, Munier M.S.	Surgery, Department of	1			
Co-I	Osman, Mohamed F.	Surgery, Department of	1			
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of	5			
Sum of Department ( <b>Resid Prgm-Medicine</b> ) Award Count: <b>0.10</b>						<b>\$1,065</b>

## Resid Prgm-Psychiatry

## 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>
<b>Resid Prgm-Psychiatry</b>						
<b>N-127179-01</b>	<b>Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC)</b>	<b>No</b>	<b>\$1,126,799</b>	<b>\$107,300</b>	<b>\$1,234,099</b>	
<i>11/7/18 to 6/30/19</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-I	Altrok, Nezam					
Co-I	Casabianca, Andrew	Anesthesiology, Department of				
Co-I	Hinch, Bryan Thomas	Resid Prgm-Medicine				
Co-I	Jones, Whitney W.	Medicine, Department of				
Co-I	Papadimos, Thomas J.	Anesthesiology, Department of		5		
Co-I	Pappada, Scott Michael	Anesthesiology, Department of		20		
Co-I	Riese, Amy	Resid Prgm-Psychiatry				
Co-I	Singh, Shipra	School of Population Health		25		
Co-I	Williams, Kristi	Psychiatry, Department of				
Sum of Department ( <b>Resid Prgm-Psychiatry</b> ) Award Count:						
<b>Resid Prgm-Radiology</b>						
<b>N-127178-01</b>	<b>Use of a Cellular Bone Matrix in Spinal Fusion: A Retrospective Analysis</b>	<b>No</b>	<b>\$113,846</b>	<b>\$34,154</b>	<b>\$148,000</b>	
<i>5/16/18 to 5/15/19</i>	<i>LifeNet Health</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Elgafy, Hossein	Orthopedics		100		
Co-I	Semaan, Hassan	Resid Prgm-Radiology				
Stdnt Schol	Mierzwa, Adam Thomas	Orthopaedic Surgery, Department of				
Stdnt Schol	Rowland, Andrea N.	Orthopaedic Surgery, Department of				
Sum of Department ( <b>Resid Prgm-Radiology</b> ) Award Count:						
<b>Resid Prgm-Urology</b>						
<b>C-126247-02</b>	<b>A 12-Week, Randomized, Multi-center, Double-Blind, Placebo-Controlled, 3-Arm, Parallel-Group Phase 3 Trial to Evaluate the Efficacy and Safety of 2 Doses of AQX-1125 Targeting the SHIP1 Pathway in Subjects with Interstitial Cysti</b>	<b>No</b>	<b>\$165</b>	<b>\$50</b>	<b>\$215</b>	<b>\$215</b>
<i>7/1/18 to 3/21/19</i>	<i>Aquinox Pharmaceuticals Inc.</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Sindhvani, Puneet	Resid Prgm-Urology		100		
Sum of Department ( <b>Resid Prgm-Urology</b> ) Award Count: <b>1.00</b> <b>\$215</b>						
<b>Surgery, Department of</b>						

## Medicine and Life Sciences, College of

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<b>Surgery, Department of</b>							
<b>C-124711-04</b>	<b>Randomized, Multicenter, Controlled Trial to Compare Best Endovascular versus Best Surgical Therapy in Patients with Critical Limb Ischemia</b>		<b>No</b>	<b>\$12,327</b>	<b>\$3,698</b>	<b>\$16,025</b>	<b>\$16,025</b>
<i>7/1/18 to 6/30/19</i>	<i>National Heart, Lung &amp; Blood Institute through New England Research Institutes, Inc</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nazzal, Munier M.S.	Surgery, Department of				100	
Co-I	Cooper, Christopher	Medicine, Department of					
Co-I	Maldonado, Henry	Surgery, Department of					
<b>C-125287-04</b>	<b>A Prospective, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Preoperative Antithrombin Supplementation In Patients Undergoing High-Risk Cardiac Surgery with Cardiopulmonary Bypass</b>		<b>No</b>	<b>\$28,117</b>	<b>\$8,435</b>	<b>\$36,552</b>	<b>\$31,069</b>
<i>8/20/15 to 6/30/19</i>	<i>Grifols Incorporated</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schwann, Thomas A.	Surgery, Department of				60	
Co-I	Bonnell, Mark	Surgery, Department of				15	
Co-I	Davis, Jennifer Elizabeth	Surgery, Department of				5	
Co-I	Mueller, Connie	Surgery, Department of				5	
Co-I	Sattler, Christina Gail	Medicine, Department of				15	

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Surgery, Department of</b>						
<b>C-125299-03</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$364,491</b>	<b>\$142,231</b>	<b>\$506,722</b>	
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		
Stdnt Schol	Christ, Nicole Marie	Psychiatry, Department of				
Stdnt Schol	Cotton, Andrew Stephen	Psychiatry, Department of				
Stdnt Schol	Dempsey, Abigail Elizabeth	Psychiatry, Department of				
Stdnt Schol	Duff, Joseph Robert	Psychiatry, Department of				
Stdnt Schol	Forbes, Courtney N.	Psychiatry, Department of				
Stdnt Schol	Grau, Aaron Scott	Psychiatry, Department of				
Stdnt Schol	Harless, Nicole Ann	Psychiatry, Department of				
Stdnt Schol	Ickes, Jessica R.	Psychiatry, Department of				
Stdnt Schol	Lu, Christine	Psychiatry, Department of				
Stdnt Schol	Lyu, Xin	Psychiatry, Department of				
Stdnt Schol	Mathews, Jeremy	Psychiatry, Department of				
Stdnt Schol	McDaniel, Mitchell Andre	Psychiatry, Department of				
Stdnt Schol	O'Leary, Brian M.	Psychiatry, Department of				
Stdnt Schol	Radabaugh, Jacob John	Psychiatry, Department of				
Stdnt Schol	Sood, Ambika	Psychiatry, Department of				
Stdnt Schol	Walkosz, Macie	Psychiatry, Department of				
<b>C-125299-03-I01</b>	<b>Study of Early Brain Alterations that Predict Development of Chronic PTSD</b>	<b>No</b>	<b>\$121,497</b>	<b>\$47,411</b>	<b>\$168,908</b>	
<i>7/1/18 to 6/30/19 National Institute on Mental Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Wang, Xin	Psychiatry, Department of		89		
Co-I	Brickman, Kristopher R.	Surgery, Department of				
Co-I	Elhai, Jon D.	Psychology, Department of				
Co-I	Rappport, Daniel J.	Psychiatry, Department of				
Co-I	Tull, Matthew T.	Psychiatry, Department of				
Co-I	Xie, Hong	Neurosciences, Department of		10		
Co-I	Xu, Kevin Shuai	Electrical Engineering and Computer Science, Department of		1		

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Surgery, Department of</b>							
<b>C-125530-04</b>	<b>An International, Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 3 Trial Investigating Efficacy &amp; Safety of Rivaroxaban to Reduce Risk of Major Thrombotic Vascular Events in Patients w/ Symptomatic Peripheral Artery Disease Undergoing Lower Extremity Revascularization Procedures</b>		<b>No</b>	<b>\$5,085</b>	<b>\$1,526</b>	<b>\$6,611</b>	<b>\$6,611</b>
<i>7/1/18 to 6/30/19</i>	<i>Bayer Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nazzal, Munier M.S.	Surgery, Department of				100	
Co-I	Mathew, Jeff	Surgery, Department of					
<b>C-126348-02</b>	<b>IRB # 202128, A randomized, multicenter, phase 2 study of DSP-7888 dosing emulsion in combination with bevacizumab versus bevacizumab alone in patients with recurrent or progressive glioblastoma following initial therapy study</b>		<b>No</b>	<b>\$5,962</b>	<b>\$1,789</b>	<b>\$7,751</b>	
<i>7/1/18 to 6/30/19</i>	<i>Boston Biomedical</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schroeder, Jason Lee	Surgery, Department of				100	
Co-I	Nemunaitis, John J.	Medicine, Department of					
<b>C-126971-02</b>	<b>A Randomized Phase 2 Trial of AM0010 in Combination with Pembrolizumab vs. Pembrolizumab Alone as First-line Therapy in Patients with Metastatic Non-Small Cell Lung Cancer whose Tumors Have High PD-L1 Expression</b>		<b>No</b>	<b>\$385</b>	<b>\$115</b>	<b>\$500</b>	
<i>7/1/18 to 4/11/19</i>	<i>ARMO BioSciences, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Surgery, Department of</b>						
<b>C-127002-02</b>	<b>A Randomized Phase 2 Trial of AM0010 in Combination with Nivolumab Vs. Nivolumab Alone s Second Line Therapy in Patients With Stage IV/Metastatic Wild Type Non-Small Cell Lung Cancer and Low Tumor Expression of PD-L1</b>	No	\$89,122	\$26,737	\$115,859	
7/1/18 to 4/11/19	ARMO BioSciences, Inc.					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>N-125739-01</b>	<b>Parent Site: Case Comprehensive Cancer Center</b>	Yes	\$18,920	\$0	\$18,920	
1/1/16 to 12/31/26	National Cancer Institute through Case Western Reserve University/Case Medical Center					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Chen, Changhu	Radiation Oncology, Department of		100		
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Jain, Samay	Medicine, Department of				
Co-I	Klepacz, Daniel S.	Medicine, Department of				
Co-I	Klepacz, Heather					
Co-I	Mohamed, Iman E.	Medicine, Department of				
Co-I	Reddy, Krishna	Dana Conference Center				
Co-I	Shahrour, Khaled	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
<b>N-125817-02-W12</b>	<b>The University of Toledo Rocket Fuel Fund--Free Radical Sending Device</b>	No	\$0	\$0	\$0	\$0
3/1/18 to 4/30/19	Economic Development Administration through University of Toledo, Main Campus					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Kim, Dong Shik	Chemical and Environmental Engineering, Department of		50		
Co-I	Chakravarti, Ritu	Surgery, Department of		50		
<b>N-126561-01</b>	<b>Carotid Revascularization and Medical Management for Asymptomatic Carotid Stenosis Trial (CREST-2) Trial ("Study")</b>	No	\$0	\$0	\$0	\$0
11/1/17 to 10/31/18	National Institute of Neurological Disorders and Stroke through Mayo Clinic					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nazzal, Munier M.S.	Surgery, 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</u> <u>Credit</u>
<b>Surgery, Department of</b>							
<b>N-126570-01</b>	<b>Genetic, Epigenetic and Dietary Salt effects on Microbiota and Hypertension</b>		<b>No</b>	<b>\$421,911</b>	<b>\$225,722</b>	<b>\$647,633</b>	
<i>7/10/18 to 4/30/19</i>	<i>National Heart, Lung &amp; Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Joe, Bina	Phys Pharm Met/Cardio Science, Department of				100	
Co-I	Chakravarti, Ritu	Surgery, Department of					
Co-I	Kumar, Matam Vijay	Phys Pharm Met/Cardio Science, Department of					
<b>N-126966-01</b>	<b>PISCES OMS I-103: A MULTICENTER PHASE 2, ADAPTIVE, OPEN-LABEL TRIAL OF INTRATUMORAL PIL-12 PLUS ELECTROPORATION IN COMBINATION WITH PEMBROLIZUMAB IN PATIENTS WITH STAGE III/IV MELANOMA WHO ARE PROGRESSING ON EITHER PEMBROLIZUMAB OR NIVOLUMAB TREATMENT</b>		<b>No</b>	<b>\$12,019</b>	<b>\$3,606</b>	<b>\$15,625</b>	
<i>3/28/18 to 3/27/19</i>	<i>OncoSec Medical Incorporated</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127023-01</b>	<b>STANDARD CHEMOTHERAPY VERSUS CHEMOTHERAPY CHOSEN BY CANCER STEM CELL CHEMOSENSITIVITY TESTING IN THE MANAGEMENT OF PATIENTS WITH RECURRENT GLIOBLASTOMA MULTIFORME (GBM). IRB#202696</b>		<b>No</b>	<b>\$4,231</b>	<b>\$1,269</b>	<b>\$5,500</b>	<b>\$2,750</b>
<i>4/9/18 to 4/8/19</i>	<i>Cordgenics, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Schroeder, Jason Lee	Surgery, Department of				50	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Nemunaitis, John J.	Medicine, Department of				50	
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Verghese, Cherian	Medicine, Department of					

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Surgery, Department of</b>							
<b>N-127186-01</b>	<b>Retrospective and Prospective International EkoSonic Registry of the Treatment and Clinical Outcomes of Patients with Pulmonary Embolism-KNOCOUT PE</b>		<b>No</b>	<b>\$10,587</b>	<b>\$3,388</b>	<b>\$13,975</b>	<b>\$279</b>
<i>7/2/18 to 6/30/19</i>	<i>EKOS Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Gupta, Rajesh	Medicine, Department of				82	
Co-I	Burket, Mark	Medicine, Department of				1	
Co-I	Eltahawy, Ehab A.	Resid Prgm-Medicine				5	
Co-I	Moukarbel, George Victor	Medicine, Department of				5	
Co-I	Nazzal, Munier M.S.	Surgery, Department of				1	
Co-I	Osman, Mohamed F.	Surgery, Department of				1	
Co-I	Sheikh, Mujeeb Abdul	Medicine, Department of				5	
<b>N-127202-01</b>	<b>A Phase 1/2 Safety, Pharmacokinetic &amp; Pharmacodynamic Study of APS001F W/ Flucytosine &amp; Maltose for the Treatment of Advanced and/or Metastatic Solid Tumors</b>		<b>No</b>	<b>\$154,002</b>	<b>\$49,281</b>	<b>\$203,282</b>	
<i>10/9/18 to 6/30/19</i>	<i>Anaeropharma Science</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Elsamaloty, Haitham M.	Radiology, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127205-01</b>	<b>A Phase 2, Non-Randomized, Open Label, Single Arm, Multi-Center Study of Talazoparib for Neoadjuvant Treatment of Germline BRCA1/2 Mutation Patients with Early Triple-Negative Breast Cancer</b>		<b>No</b>	<b>\$9,280</b>	<b>\$2,970</b>	<b>\$12,250</b>	
<i>10/9/18 to 6/30/19</i>	<i>Pfizer, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Klepacz, Heather	Surgery, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Surgery, Department of</b>							
<b>N-127215-01</b>	<b>A Phase 1/1b, Multicenter, Open-label Trial of Oncolytic MG1 Expressing Mutant Human Papilloma Virus (HPV) E6 and E7 (MG1-E6E7), with Adenovirus Vaccine Expressing Mutant HPV E6 and E7 (Ad-E6E7) and Atezolizumab in Patients with HPV Associated Cancers</b>			<b>Yes</b>	<b>\$55,391</b>	<b>\$16,617</b>	<b>\$72,008</b>
<i>10/11/18 to 10/10/19</i>	<i>Turnstone Biologics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Elsamaloty, Haitham M.	Radiology, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127268-01</b>	<b>An Open-label, Phase 1B Study of NEO-PV-01 + CD40 Agonist Antibody (APX005M) or Ipilimumab with Nivolumab in Patients with Advanced or Metastatic Melanoma</b>			<b>Yes</b>	<b>\$10,865</b>	<b>\$3,260</b>	<b>\$14,125</b>
<i>12/5/18 to 12/4/19</i>	<i>Neon Therapeutics</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of					
<b>N-127352-01-W1</b>	<b>A multicenter study w an open-label Phase Ib part followed by a rand. placebo controlled, double blind, Phase II part to evaluate efficacy, safety, tolerability, pharmacokinetics of the DNA PK inhibitor M3814 in comb w capecitabine and radiotherapy in participants w locally advanced rectal cancer</b>			<b>Yes</b>	<b>\$9,554</b>	<b>\$2,866</b>	<b>\$12,420</b>
<i>1/25/19 to 1/24/20</i>	<i>EMD Sorono</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nemunaitis, John J.	Medicine, Department of				100	
Co-I	Albrethsen, Mary	Medicine, Department of					
Co-I	Ashraf, Mushtaq	Medicine, Department of					
Co-I	Chaudhuri, Prabir	Surgery, Department of					
Co-I	Hamouda, Danae M.	Medicine, Department of					
Co-I	Skeel, Roland	Medicine, Department of					
Co-I	Vergheese, Cherian	Medicine, Department of					

## Medicine and Life Sciences, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Surgery, Department of</b>						
<b>N-127357-01</b>	<b>Turnstone: PELICAN (Melanoma Phase 1 with MAGEA3) study CTA</b>	<b>No</b>	<b>\$22,610</b>	<b>\$7,235</b>	<b>\$29,845</b>	
<i>12/6/18 to 8/12/19</i>	<i>Turnstone Biologics</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Nemunaitis, John J.	Medicine, Department of		100		
Co-I	Albrethsen, Mary	Medicine, Department of				
Co-I	Ashraf, Mushtaq	Medicine, Department of				
Co-I	Chaudhuri, Prabir	Surgery, Department of				
Co-I	Hamouda, Danae M.	Medicine, Department of				
Co-I	Skeel, Roland	Medicine, Department of				
Co-I	Vergheese, Cherian	Medicine, Department of				
Dir Ctr/Inst	Nemunaitis, Nadine	Medicine, Department of				
<b>S-125682-01-S2</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>	<b>No</b>	<b>\$545,632</b>	<b>\$96,848</b>	<b>\$642,480</b>	
<i>2/1/18 to 1/31/19</i>	<i>National Institutes of Health</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Howard, Marthe	Neurosciences, Department of		100		
Co-I	Blomquist, Thomas M.	Pathology, Department of				
Co-I	Kalinoski, Andrea L.	Surgery, Department of				
Co-I	Margiotta, Joseph	Neurosciences, Department of				
Co-I	Willey, James	Medicine, Department of				
<b>S-125682-01-S3</b>	<b>Anatomical-Functional Mapping of Enteric Neural Circuits</b>	<b>No</b>	<b>\$339,325</b>	<b>\$174,751</b>	<b>\$514,076</b>	
<i>2/1/19 to 1/31/20</i>	<i>National Institutes of Health</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Howard, Marthe	Neurosciences, Department of		100		
Co-I	Kalinoski, Andrea L.	Surgery, Department of				
Co-I	Margiotta, Joseph	Neurosciences, Department of				
Sum of Department (Surgery, Department of) Award Count: 4.87						<b>\$56,734</b>
<b>Urology, Department of</b>						
<b>C-122448-07</b>	<b>Optimization and Simulation of Kidney Paired Donation Programs</b>	<b>No</b>	<b>\$24,364</b>	<b>\$12,548</b>	<b>\$36,912</b>	<b>\$36,912</b>
<i>5/1/19 to 4/30/20</i>	<i>National Institute of Diabetes, Digestive &amp; Kidney Diseases through University of Michigan</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Rees, Michael A.	Urology, Department of		100		

## Medicine and Life Sciences, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Urology, Department of</b>							
<b>C-123876-06</b>	<b>A 24-Month, Single-Center, Pilot, Open-Label, Randomized, Controlled Trial to Evaluate the Efficacy and Safety of Calcineurin-Inhibitor Elimination or Reduction [...]Everolimus®/Myfortic® versus Reduced Dose tacrolimus/ Everolimus® in Adult Renal Transplant Recipients [ . . . ]</b>		<b>No</b>	<b>\$112,731</b>	<b>\$36,074</b>	<b>\$148,804</b>	<b>\$89,283</b>
<i>7/1/18 to 6/30/19</i>	<i>Novartis</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Rees, Michael A.	Urology, Department of				60	
Co-PI	Kaw, Dinkar	Medicine, Department of				30	
Co-I	Ekwenna, Obi	Urology, Department of					
Co-I	Malhotra, Deepak K.	Medicine, Department of				10	
Co-I	Ratnam, Shobha	Medicine, Department of					
<b>C-126449-02</b>	<b>Alteration of the miR-let-7c: Lin28 ratio as a predictor of therapy resistance in Prostate Cancer</b>		<b>No</b>	<b>\$50,000</b>	<b>\$26,750</b>	<b>\$76,750</b>	<b>\$76,750</b>
<i>9/1/18 to 8/31/20</i>	<i>National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Nadiminty, Nagalakshmi	Urology, Department of				100	
<b>N-125772-01-A1</b>	<b>A New Empirical Model of Deceased Donor Kidney Allocation</b>		<b>No</b>	<b>\$15,885</b>	<b>\$8,498</b>	<b>\$24,383</b>	<b>\$24,383</b>
<i>6/22/18 to 5/31/19</i>	<i>National Institutes of Health through National Bureau of Economic Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Rees, Michael A.	Urology, Department of				100	
			<b>Sum of Department (Urology, Department of)</b>		<b>Award Count: 3.60</b>		<b>\$227,328</b>
			<b>Sum of College (Medicine and Life Sciences, College of)</b>		<b>Award Count: 174.15</b>		<b>\$17,605,348</b>

## Natural Sciences & Mathematics, College of

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Biological Sciences, Department of</b>							
<b>C-125765-03</b>	<b>Analysis of mechanisms involved in induction of abiotic and biotic stress tolerance in Horticulture Crops Through Nutrition or Temperature</b>		<b>No</b>	<b>\$176,180</b>	<b>\$17,618</b>	<b>\$193,798</b>	<b>\$193,798</b>
<i>7/1/18 to 6/30/19</i>	<i>U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Leisner, Scott M.	Biological Sciences, Department of				100	

## Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Biological Sciences, Department of</b>						
<b>C-125854-02</b>	<b>Developing an animal model to identify the role of the sperm centriole in fertility</b>	No	\$125,520	\$62,132	\$187,652	\$187,652
<i>9/1/18 to 8/31/20 National Institute of Child Health &amp; Human Development</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Avidor-Reiss, Tomer	Biological Sciences, Department of	100			
<b>C-125932-02-S1</b>	<b>Immune Evasion in Aquatic Rhabdoviral Pathogens</b>	No	\$290,698	\$0	\$290,698	\$290,698
<i>9/6/18 to 6/30/19 U.S. Department of Agriculture</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Krishnamurthy, Malathi	Biological Sciences, Department of	50			
Co-I	Leaman, Douglas W.	Biological Sciences, Department of	50			
<b>C-126073-02</b>	<b>CO2 Inhalation enhances the lability of fear memory</b>	No	\$250,000	\$89,100	\$339,100	\$305,190
<i>1/1/19 to 12/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Du, Jianyang	Biological Sciences, Department of	90			
Co-I	Sari, Youssef	Pharmacology, Department of	5			
Co-I	Wang, Xin	Psychiatry, Department of	5			
<b>C-126943-02</b>	<b>RESEARCH - PGR: Elucidating Maize Gene Regulatory Networks to Accelerate Translational Genomics</b>	No	\$107,496	\$50,181	\$157,677	\$157,677
<i>2/1/19 to 1/31/20 National Science Foundation through Michigan State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gray, John	Biological Sciences, Department of	100			
<b>N-126083-01-A1</b>	<b>The role of platelets in oral candidiasis</b>	No	\$291,495	\$143,244	\$434,739	\$217,370
<i>1/1/19 to 12/31/19 National Institute of Dental and Craniofacial Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Conti, Heather Raquel	Biological Sciences, Department of	50			
Co-I	Worth, Randall G.	Med Microbiology & Immunology, Department of	50			
<b>N-126373-01</b>	<b>Molecular basis of apical protrusion organization and function in specialized epithelia</b>	No	\$299,571	\$149,286	\$448,857	\$448,857
<i>7/1/18 to 6/30/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Crawley, William Scott	Biological Sciences, Department of	100			
Stdnt Schol	El Sheikh Idris, Rawnag A.	Biological Sciences, Department of				
Stdnt Schol	Storad, Zachary Anthony	Biological Sciences, Department of				
<b>N-126916-01</b>	<b>Identification of novel regulators of invadopodia formation</b>	No	\$50,000	\$24,750	\$74,750	\$74,750
<i>1/17/19 to 12/31/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Garcia-Mata, Rafael	Biological Sciences, Department of	100			

## Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Biological Sciences, Department of</b>						
<b>N-126926-01</b>	<b>MicroRNA regulation of guidance receptors in axonal pathfinding</b>	<b>No</b>	<b>\$300,000</b>	<b>\$148,500</b>	<b>\$448,500</b>	<b>\$448,500</b>
<i>1/18/19 to 12/31/22 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Liu, Guofa	Biological Sciences, Department of			100	
<b>N-126945-01</b>	<b>Centrosome-localized tyrosine kinase JAK2 regulates cell proliferation</b>	<b>No</b>	<b>\$300,000</b>	<b>\$149,667</b>	<b>\$449,667</b>	<b>\$449,667</b>
<i>9/18/18 to 8/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Diakonova, Maria	Biological Sciences, Department of			100	
<b>S-122918-04-S2</b>	<b>TRIP13 AAA-ATPase Overexpression in Chromosomal Instability and Breast Cancer</b>	<b>No</b>	<b>\$6,470</b>	<b>\$3,073</b>	<b>\$9,543</b>	<b>\$9,543</b>
<i>5/1/17 to 4/30/18 National Cancer Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Liu, Song-Tao	Biological Sciences, Department of			100	
<b>S-126926-01-S1</b>	<b>MicroRNA regulation of guidance receptors in axonal pathfinding</b>	<b>No</b>	<b>\$20,000</b>	<b>\$0</b>	<b>\$20,000</b>	<b>\$20,000</b>
<i>3/28/19 to 6/30/20 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Liu, Guofa	Biological Sciences, Department of			100	
Sum of Department ( <b>Biological Sciences, Department of</b> ) Award Count: <b>11.40</b>						<b>\$2,803,701</b>
<b>Chemistry and Biochemistry, Department of</b>						
<b>C-125688-03</b>	<b>Neutron Diffraction Studies of PLP Dependent Enzymes</b>	<b>No</b>	<b>\$43,650</b>	<b>\$11,350</b>	<b>\$55,000</b>	<b>\$55,000</b>
<i>9/1/18 to 8/31/19 U.S. Department of Energy through Battelle</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Mueser, Timothy	Chemistry and Biochemistry, Department of			100	
<b>C-125732-03</b>	<b>Counter Regulatory Mechanisms of Cardiotonic Steroids in Cardio-Renal Syndrome</b>	<b>No</b>	<b>\$250,000</b>	<b>\$128,750</b>	<b>\$378,750</b>	<b>\$37,875</b>
<i>4/1/19 to 3/31/20 National Heart, Lung &amp; Blood Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Kennedy, David Joseph	Medicine, Department of			90	
Co-I	Haller, Steven T.	Medicine, Department of				
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			5	
Co-I	Tian, Jiang	Medicine, Department of				
Co-I	Zhu, Jianglong	Chemistry and Biochemistry, Department of			5	

## 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>
<b>Chemistry and Biochemistry, Department of</b>							
<b>C-125971-02</b>	<b>Rapid and Economic Synthesis of Next Generation Herbicides via Carbon Dioxide-Directed C-H Bond Functionalization</b>		<b>No</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>7/1/18 to 6/30/19</i>	<i>Herman Frasch Fd</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Young, Michael Christopher	Chemistry and Biochemistry, Department of				100	
<b>C-126018-03</b>	<b>Development of novel approaches for stereoelective construction of glycosidic linkages</b>		<b>No</b>	<b>\$208,436</b>	<b>\$99,007</b>	<b>\$307,443</b>	<b>\$307,443</b>
<i>6/1/19 to 5/31/20</i>	<i>National Institute of General Medical Sciences through University of California - Santa Barbara</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Zhu, Jianglong	Chemistry and Biochemistry, Department of				100	
<b>C-126065-02</b>	<b>Novel methods and Technologies for Synthesis of Biomedically Relevant Carbohydrates</b>		<b>No</b>	<b>\$169,702</b>	<b>\$80,608</b>	<b>\$250,310</b>	<b>\$250,310</b>
<i>7/1/18 to 7/31/19</i>	<i>National Institutes of Health through Wayne State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Andreana, Peter R.	Chemistry and Biochemistry, Department of				100	
<b>C-126137-02</b>	<b>Synthesis of natural product scaffold selectively active against dormant Mycobacterium tuberculosis</b>		<b>No</b>	<b>\$149,500</b>	<b>\$37,125</b>	<b>\$186,625</b>	<b>\$186,625</b>
<i>6/1/19 to 5/31/20</i>	<i>National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Sucheck, Steven Joseph	Chemistry and Biochemistry, Department of				100	
<b>N-126374-01-A1</b>	<b>Diverse membrane affinities of Gy members deferentially modulate the GBy effectors and cell behaviors</b>		<b>No</b>	<b>\$300,000</b>	<b>\$141,323</b>	<b>\$441,323</b>	<b>\$441,323</b>
<i>9/15/18 to 8/31/21</i>	<i>National Institute of General Medical Sciences</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Karunaratne, Welivitiya K.	Chemistry and Biochemistry, Department of				95	
Co-I	Ronning, Donald	Chemistry and Biochemistry, Department of				5	
<b>N-126856-01</b>	<b>Identification of the Elusive NAADP Receptor</b>		<b>No</b>	<b>\$326,066</b>	<b>\$135,832</b>	<b>\$461,898</b>	<b>\$60,047</b>
<i>9/20/18 to 8/31/21</i>	<i>National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>	
PI/PD	Slama, James T.	Medicinal and Biological Chemistry, Department of				50	
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of				13	
Co-I	Wall, Katherine Ann	Medicinal and Biological Chemistry, Department of				37	

## 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>
<b>Chemistry and Biochemistry, Department of</b>						
<b>N-127147-01</b>	<b>Development and validation of an SPME-GC-MS method for determination of fluasterone in rabbit plasma</b>	<b>No</b>	<b>\$6,154</b>	<b>\$1,846</b>	<b>\$8,000</b>	<b>\$4,000</b>
<i>7/1/18 to 9/30/18 University of Texas at El Paso</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Boddu, Sai Hanuman Sagar	Pharmacy Practice, Department of	50			
Co-I	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of	50			
<b>N-127195-01</b>	<b>Role of Reduced Nitric Oxide in Formation of Early-Stage Breast Lesions</b>	<b>No</b>	<b>\$50,989</b>	<b>\$0</b>	<b>\$50,989</b>	
<i>7/23/18 to 7/31/23 University of Toledo Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Furuta, Saori	Cancer Biology, Department of	100			
Co-PI	Al Agha, Abdelraof Ibrahim	Physician Assistant Studies				
Co-PI	Isailovic, Dragan	Chemistry and Biochemistry, Department of				
Co-PI	Khuder, Sadik	School of Population Health				
Co-PI	Sun, Hongliu	Pathology, Department of				
<b>N-127245-01</b>	<b>NSF I-Corps: Silver materials for antimicrobial coatings</b>	<b>No</b>	<b>\$45,000</b>	<b>\$5,000</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>9/15/18 to 8/31/19 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bigioni, Terry P.	Chemistry and Biochemistry, Department of	100			
<b>N-127248-01</b>	<b>Restek Academic Support Program</b>	<b>No</b>	<b>\$6,000</b>	<b>\$0</b>	<b>\$6,000</b>	<b>\$6,000</b>
<i>6/1/19 to 6/1/20 Restek Corporation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of	100			
<b>N-127588-01</b>	<b>Testing Chemical Resistance for Upholstery Materials</b>	<b>No</b>	<b>\$2,036</b>	<b>\$662</b>	<b>\$2,698</b>	<b>\$2,698</b>
<i>5/1/19 to 4/30/20 Biofit Engineered Products</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Li, Wei	Chemistry and Biochemistry, Department of	100			
<b>N-127653-01</b>	<b>Formulation and Characterization of Polymer Composites</b>	<b>No</b>	<b>\$27,540</b>	<b>\$8,951</b>	<b>\$36,491</b>	<b>\$36,491</b>
<i>5/13/19 to 8/21/20 RJ Marshall Company</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lind-Kovacs, Cora	Chemistry and Biochemistry, Department of	100			
<b>N-127690-01</b>	<b>Temperature dependent lattice constants of negative thermal expansion material Al2Sc1.8Mo3O12</b>	<b>No</b>	<b>\$2,500</b>	<b>\$0</b>	<b>\$2,500</b>	<b>\$2,500</b>
<i>4/1/19 to 2/28/20 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			

## 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>
<b>Chemistry and Biochemistry, Department of</b>						
<b>R-122077-10</b>	<b>Project Seed at UT 2019</b>	<b>No</b>	<b>\$8,000</b>	<b>\$0</b>	<b>\$8,000</b>	<b>\$8,000</b>
<i>6/1/19 to 9/15/19 American Chemical Society</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Karunarathne, Welivitiya K.	Chemistry and Biochemistry, Department of	60			
Co-I	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of	40			
Stdnt Schol	Abutaha, Seham K.					
Stdnt Schol	Archambault, Aiden Matthew	Chemistry and Biochemistry, Department of				
Stdnt Schol	Do, Joseph Tran	Chemistry and Biochemistry, Department of				
Stdnt Schol	Kim, Isaac Dukyun	Chemistry and Biochemistry, Department of				
Stdnt Schol	Wells, Stuart Lee					
<b>R-123393-05</b>	<b>Trehalose and Mycolic Acid Use in Mycobacteria</b>	<b>No</b>	<b>\$300,000</b>	<b>\$123,750</b>	<b>\$423,750</b>	<b>\$423,750</b>
<i>7/1/18 to 6/30/19 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ronning, Donald	Chemistry and Biochemistry, Department of	50			
PI/PD	Sucheck, Steven Joseph	Chemistry and Biochemistry, Department of	50			
<b>S-125358-01-S3</b>	<b>GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment - REU</b>	<b>No</b>	<b>\$12,000</b>	<b>\$0</b>	<b>\$12,000</b>	
<i>6/25/19 to 8/31/19 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Seo, Youngwoo	Civil Engineering, Department of	100			
Stdnt Schol	Briese, Emily Anne	Civil Engineering, Department of				
Stdnt Schol	Hoffman, Kennedy	Civil Engineering, Department of				
Stdnt Schol	Holt, Mathieu Killian	Chemistry and Biochemistry, Department of				
Stdnt Schol	Johnson, Xavier Cherie	Civil Engineering, Department of				
Sum of Department ( <b>Chemistry and Biochemistry, Departm</b> )						Award Count: <b>13.73</b>
						<b>\$1,922,062</b>
<b>Environmental Sciences, Department of</b>						
<b>C-109000-16</b>	<b>Biomonitoring of Nutritional and Environmental Stress in Plants</b>	<b>No</b>	<b>\$52,855</b>	<b>\$5,285</b>	<b>\$58,140</b>	<b>\$58,140</b>
<i>8/1/18 to 7/31/19 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			
<b>C-125456-02-S1</b>	<b>Hyperspectral Imager Atmospheric Correction</b>	<b>No</b>	<b>\$16,949</b>	<b>\$8,051</b>	<b>\$25,000</b>	<b>\$25,000</b>
<i>7/1/17 to 9/30/18 NASA John H. Glenn Research Center at Lewis Field</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Becker, Richard	Environmental Sciences, 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>
<b>Environmental Sciences, Department of</b>						
<b>C-125801-03</b>	<b>Examination of Factors Influencing Lake Whitefish Recruitment in the Detroit River and Western Lake Erie</b>	<b>No</b>	<b>\$82,828</b>	<b>\$14,495</b>	<b>\$97,323</b>	<b>\$97,323</b>
<i>8/1/18 to 7/31/19 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	DeBruyne, Robin	Environmental Sciences, Department of				
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of	100			
<b>C-126439-02</b>	<b>Vegetation Surveying in Support of Grass Carp Spawning Potential in the Sandusky River Basin</b>	<b>No</b>	<b>\$91,901</b>	<b>\$16,083</b>	<b>\$107,984</b>	<b>\$107,984</b>
<i>9/15/18 to 9/14/19 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Qian, Song S.	Environmental Sciences, Department of	50			
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of	50			
<b>C-126995-02</b>	<b>Ichthyoplankton Community Ecology and Distribution in Lake St. Claire</b>	<b>No</b>	<b>\$191,481</b>	<b>\$33,509</b>	<b>\$224,990</b>	<b>\$224,990</b>
<i>4/16/19 to 4/15/20 U.S. Geological Survey</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	DeBruyne, Robin	Environmental Sciences, Department of	50			
Co-PI	Mayer, Christine Marie	Environmental Sciences, Department of	50			
<b>N-126827-01</b>	<b>Use of existing fishery assessment data to determine detection probability of rare and newly introduced nonindigenous species in Lake Erie</b>	<b>No</b>	<b>\$75,134</b>	<b>\$7,513</b>	<b>\$82,647</b>	<b>\$82,647</b>
<i>7/1/18 to 6/30/20 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	Qian, Song S.	Environmental Sciences, Department of	34			
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of	33			
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of	33			
<b>N-127152-01</b>	<b>Biomonitoring of Iron Deficiency and Toxicity in Ornamental Plants</b>	<b>No</b>	<b>\$61,664</b>	<b>\$6,166</b>	<b>\$67,830</b>	<b>\$67,830</b>
<i>8/1/18 to 7/31/20 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			
<b>N-127175-01</b>	<b>Addressing Environmental Challenges and Proposing Sustainable Solutions at the Lake Erie Land-Lake Interface</b>	<b>No</b>	<b>\$330,225</b>	<b>\$16,311</b>	<b>\$346,536</b>	<b>\$103,961</b>
<i>2/15/19 to 1/31/22 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Refsnider-Streby, Jeanine	Environmental Sciences, Department of	30			
PI/PD	Refsnider-Streby, Jeanine	Lake Erie Soil and Water Research and Education Center	20			
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of	30			
Co-PI	Czajkowski, Kevin Paul	Lake Erie Soil and Water Research and Education Center	20			

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Environmental Sciences, Department of</b>						
<b>N-127220-01</b>	<b>Gray Vireo Demography</b>	No	\$14,286	\$3,714	\$18,000	\$18,000
12/10/18 to 12/31/19 U.S. Fish and Wildlife Service through New Mexico Dept. of Game and Fish						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Streby, Henry M.	Environmental Sciences, Department of	100			
<b>N-127391-01</b>	<b>Identification of Optimal Sites for Maumee AOC Restoration Actions in the Lower Maumee River</b>	No	\$163,563	\$21,999	\$185,562	\$185,562
3/18/19 to 3/17/20 U.S. Geological Survey						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hintz, William	Environmental Sciences, Department of	40			
Co-I	Crail, Todd	Environmental Sciences, Department of	32			
Co-I	Mayer, Christine Marie	Environmental Sciences, Department of	28			
<b>N-127412-01</b>	<b>Lake Erie Whitefish: ecology of early life history stages and possible fisheries implications</b>	No	\$45,857	\$13,757	\$59,614	\$59,614
5/30/19 to 5/30/21 Nature Conservancy						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of	50			
Co-I	DeBruyne, Robin	Environmental Sciences, Department of	50			
<b>N-127526-01</b>	<b>Total Organic Carbon and Total Nitrogen Testing</b>	No	\$302	\$98	\$400	\$400
3/1/19 to 2/28/20 Kennesaw State University						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	100			
<b>N-127606-01</b>	<b>Lake Huron Trophic Niche (CSMI 2017)</b>	No	\$27,282	\$4,774	\$32,056	\$32,056
3/25/19 to 3/24/20 U.S. Geological Survey						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of	100			
<b>N-127624-01</b>	<b>Dissolved organic carbon and nitrogen analyses of soil extracts</b>	No	\$676	\$220	\$896	\$896
4/1/19 to 3/31/20 Ursinus College						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Weintraub, Michael N.	Environmental Sciences, Department of	100			
<b>R-123361-08</b>	<b>Lake Erie Bathing Beach Monitoring</b>	No	\$23,588	\$4,245	\$27,833	\$27,833
5/17/19 to 6/30/21 U.S. Environmental Protection Agency through Ohio Department of Health						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Dwyer, Daryl	Environmental Sciences, Department of	100			
Stdnt Schol	Skowronek, Luke R.	Environmental Sciences, 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>
<b>Environmental Sciences, Department of</b>						
<b>R-123614-07</b>	<b>Research Support Agreement-Acquisition of Goods and Services</b>	<b>No</b>	<b>\$10,000</b>	<b>\$1,000</b>	<b>\$11,000</b>	<b>\$11,000</b>
<i>8/15/18 to 8/14/19</i>	<i>U.S. Department of Agriculture</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Fisher, Timothy G.	Environmental Sciences, Department of		100		
Stdnt Schol	Shaw, Clayton Jasper	Environmental Sciences, Department of				
<b>R-126827-01-W1</b>	<b>Field Component: Use of existing fishery assessment data to determine detection probability of rare and newly introduced nonindigenous species in Lake Erie</b>	<b>No</b>	<b>\$54,735</b>	<b>\$5,474</b>	<b>\$60,209</b>	<b>\$60,209</b>
<i>7/1/18 to 6/30/20</i>	<i>U.S. Fish and Wildlife Service through Ohio Department of Natural Resources</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of		34		
Co-I	Bossenbroek, Jonathan	Environmental Sciences, Department of		33		
Co-I	Qian, Song S.	Environmental Sciences, Department of		33		
<b>S-126220-02</b>	<b>Linking Fish to Lower Trophic Level Variability in Lake Huron (G18AS0001)</b>	<b>No</b>	<b>\$6,195</b>	<b>\$1,084</b>	<b>\$7,279</b>	<b>\$7,279</b>
<i>3/2/19 to 3/30/19</i>	<i>U.S. Geological Survey</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Mayer, Christine Marie	Environmental Sciences, Department of		100		
Sum of Department ( <b>Environmental Sciences, Department</b> )						<b>Award Count: 17.30</b>
						<b>\$1,170,724</b>
<b>Lake Erie Soil and Water Research and Education Center</b>						
<b>C-126068-02</b>	<b>Linking process models and field experiments to forecast algal bloom toxicity in Lake Erie--ECO HAB 2017</b>	<b>No</b>	<b>\$27,458</b>	<b>\$13,043</b>	<b>\$40,501</b>	<b>\$40,501</b>
<i>7/1/18 to 8/31/20</i>	<i>National Oceanic and Atmospheric Administration through Ohio State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		100		
<b>N-126208-01</b>	<b>Lake Erie Center for Fresh Waters and Human Health--BGSU NIH subaward</b>	<b>No</b>	<b>\$19,459</b>	<b>\$7,580</b>	<b>\$27,039</b>	<b>\$27,039</b>
<i>9/30/18 to 6/30/19</i>	<i>National Institutes of Health through Bowling Green State University</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center		100		

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			<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Lake Erie Soil and Water Research and Education Center</b>							
<b>N-127175-01</b>	<b>Addressing Environmental Challenges and Proposing Sustainable Solutions at the Lake Erie Land-Lake Interface</b>		<b>No</b>	<b>\$330,225</b>	<b>\$16,311</b>	<b>\$346,536</b>	<b>\$138,614</b>
<i>2/15/19 to 1/31/22</i>	<i>National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Refsnider-Streby, Jeanine	Environmental Sciences, Department of			30		
PI/PD	Refsnider-Streby, Jeanine	Lake Erie Soil and Water Research and Education Center			20		
Co-PI	Czajkowski, Kevin Paul	Geography and Planning, Department of			30		
Co-PI	Czajkowski, Kevin Paul	Lake Erie Soil and Water Research and Education Center			20		
<b>N-127386-01</b>	<b>Lake Erie Center for Fresh Waters and Human Health--BGSU NSF subaward</b>		<b>No</b>	<b>\$62,510</b>	<b>\$24,396</b>	<b>\$86,906</b>	<b>\$86,906</b>
<i>10/1/18 to 9/30/19</i>	<i>National Science Foundation through Bowling Green State University</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Bridgeman, Thomas B.	Lake Erie Soil and Water Research and Education Center			100		
<b>N-127682-01</b>	<b>Lake Erie Live at Maumee Bay State Park</b>		<b>No</b>	<b>\$3,344</b>	<b>\$1,656</b>	<b>\$5,000</b>	<b>\$5,000</b>
<i>4/15/19 to 9/30/19</i>	<i>U.S. Geological Survey through Great Lakes Commission</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		
Co-I	Lohner, Rachel N.	Lake Erie Soil and Water Research and Education Center					
Stdnt Schol	Mahoney, Ian Benjamin	Lake Erie Soil and Water Research and Education Center					
Sum of Department ( <b>Lake Erie Soil and Water Research and</b> )					Award Count: <b>4.40</b>		<b>\$298,060</b>
<b>Mathematics, Department of</b>							
<b>C-126323-02</b>	<b>Choose Ohio First</b>		<b>No</b>	<b>\$87,187</b>	<b>\$0</b>	<b>\$87,187</b>	<b>\$87,187</b>
<i>7/1/18 to 6/30/19</i>	<i>Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Martin, Geoffrey K.	Mathematics, Department of			100		
<b>C-126325-02</b>	<b>Choose Ohio First</b>		<b>No</b>	<b>\$22,815</b>	<b>\$0</b>	<b>\$22,815</b>	<b>\$22,815</b>
<i>7/1/18 to 6/30/19</i>	<i>Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Chen, Zhiwei	Mathematics, Department of			100		
<b>C-126572-02</b>	<b>RUI: Algebraic, Differential-Geometric, and Computational Aspects of Darboux Transformations in Classical and Super Settings</b>		<b>No</b>	<b>\$11,911</b>	<b>\$5,896</b>	<b>\$17,807</b>	<b>\$17,807</b>
<i>7/1/18 to 6/30/19</i>	<i>National Science Foundation through State University of New York at New Paltz</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>		
PI/PD	Shemyakova, Ekaterina	Mathematics, Department of			100		
Sum of Department ( <b>Mathematics, Department of</b> )					Award Count: <b>3.00</b>		<b>\$127,809</b>
<b>Physics and Astronomy, Department of</b>							

## Natural Sciences & Mathematics, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Physics and Astronomy, Department of</b>						
<b>C-123680-06</b>	<b>Quantum Theories of Fundamental Atomic and Molecular Interactions and their applications</b>	No	\$47,458	\$22,542	\$70,000	\$70,000
<i>9/1/18 to 8/31/20 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Gao, Bo	Physics and Astronomy, Department of			100	
<b>C-125434-02-A2</b>	<b>High Temperature Magnetic Materials</b>	No	\$(4,167)	\$(833)	\$(5,000)	\$(3,350)
<i>7/17/18 to 9/15/18 Ohio Federal Research Network through Case Western Reserve University/Case Medical Center</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of			34	
Co-I	Georgiev, Daniel G.	Electrical Engineering and Computer Science, Department of			33	
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of			33	
<b>C-125456-03</b>	<b>Hyperspectral Imager Atmospheric Correction</b>	No	\$16,949	\$8,051	\$25,000	\$25,000
<i>6/13/18 to 12/31/19 NASA John H. Glenn Research Center at Lewis Field</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Becker, Richard	Physics and Astronomy, Department of			100	
<b>C-126028-03</b>	<b>In Situ Investigations and Strategies for Addressing Extrinsic and Intrinsic Degradation Mechanisms in Perovskite Solar Cell Materials and Devices</b>	No	\$101,695	\$48,305	\$150,000	\$150,000
<i>12/3/18 to 2/29/20 Office of Naval Research</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of			34	
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			33	
Co-I	Yan, Yanfa	Physics and Astronomy, Department of			33	
<b>C-126169-02</b>	<b>UV Laboratory Measurements of Oscillator Strengths, Radiative Lifetimes, and Dissociation Products of CH, C2, and CS</b>	No	\$8,125	\$3,859	\$11,984	\$11,984
<i>1/1/19 to 12/31/19 National Aeronautics and Space Administration through University of California at Davis</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Federman, Steven R.	Physics and Astronomy, Department of			100	
<b>C-126327-02</b>	<b>Choose Ohio First</b>	No	\$90,582	\$0	\$90,582	\$90,582
<i>7/1/18 to 6/30/19 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Khare, Sanjay V.	Physics and Astronomy, Department of			100	
<b>C-126335-01-S1</b>	<b>Infrared Abundances and the Chemical Enrichment of the Universe</b>	No	\$24,569	\$11,670	\$36,239	\$36,239
<i>4/5/18 to 4/4/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Smith, John-David T.	Physics and Astronomy, Department of			100	

## Natural Sciences & Mathematics, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Physics and Astronomy, Department of</b>						
<b>C-126335-01-S2</b>	<b>Infrared Abundances and the Chemical Enrichment of the Universe--17-ADAP17-0205</b>	<b>No</b>	<b>\$70,939</b>	<b>\$33,695</b>	<b>\$104,634</b>	<b>\$104,634</b>
<i>4/5/18 to 4/4/21 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Smith, John-David T.	Physics and Astronomy, Department of	100			
<b>C-126340-01-S1</b>	<b>A Spitzer, Herschel and WISE Census of Protostars within 500 pc of the Sun</b>	<b>No</b>	<b>\$59,656</b>	<b>\$28,337</b>	<b>\$87,993</b>	<b>\$87,993</b>
<i>10/29/18 to 8/9/20 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			
<b>C-126690-02</b>	<b>Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High Efficiency and Stable Photoelectrochemical Water Splitting</b>	<b>No</b>	<b>\$40,678</b>	<b>\$19,322</b>	<b>\$60,000</b>	<b>\$60,000</b>
<i>3/1/19 to 2/28/20 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			
<b>N-126169-01</b>	<b>UV Laboratory Measurements of Oscillator Strengths, Radiative Lifetimes, and Dissociation Products of CH, C2, and CS</b>	<b>No</b>	<b>\$7,889</b>	<b>\$3,747</b>	<b>\$11,636</b>	<b>\$11,636</b>
<i>7/1/18 to 12/31/18 National Aeronautics and Space Administration through University of California at Davis</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Federman, Steven R.	Physics and Astronomy, Department of	100			
<b>N-126340-01</b>	<b>A Spitzer, Herschel and WISE Census of Protostars within 500 pc of the Sun</b>	<b>No</b>	<b>\$61,207</b>	<b>\$29,073</b>	<b>\$90,280</b>	<b>\$90,280</b>
<i>8/10/18 to 8/9/20 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			
<b>N-126710-01</b>	<b>Lead free organic-inorganic halide perovskite ferroelectrics with large piezoelectric responses</b>	<b>No</b>	<b>\$301,003</b>	<b>\$148,996</b>	<b>\$449,999</b>	<b>\$449,999</b>
<i>8/1/18 to 7/31/21 National Science Foundation</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	100			
<b>N-126958-01</b>	<b>Center for Hybrid Organic-Inorganic Semiconductors for Energy (CHOISE)</b>	<b>No</b>	<b>\$66,832</b>	<b>\$33,082</b>	<b>\$99,914</b>	<b>\$99,914</b>
<i>1/9/19 to 1/8/20 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			

## 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>
<b>Physics and Astronomy, Department of</b>						
<b>N-127056-01</b>	<b>18-ADAP18-0200; Orion The Final Epoch</b>	<b>No</b>	<b>\$47,262</b>	<b>\$23,394</b>	<b>\$70,656</b>	<b>\$70,656</b>
<i>2/26/19 to 2/25/20 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	
<b>N-127056-01-I01</b>	<b>Orion: The Final Epoch</b>	<b>No</b>	<b>\$61,466</b>	<b>\$9,189</b>	<b>\$70,655</b>	<b>\$70,655</b>
<i>2/26/19 to 2/25/22 National Aeronautics and Space Administration</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Megeath, Samuel Thomas	Physics and Astronomy, Department of			100	
<b>N-127095-01</b>	<b>Film Deposition and Optical Property Characterization</b>	<b>No</b>	<b>\$8,010</b>	<b>\$3,965</b>	<b>\$11,975</b>	<b>\$11,975</b>
<i>7/20/18 to 11/30/18 Obsidian Sensors, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			100	
<b>N-127096-01</b>	<b>DETECTION OF NON-THERMAL X-RAY EMISSION FROM GAMMA2 VELORUM</b>	<b>No</b>	<b>\$16,722</b>	<b>\$8,278</b>	<b>\$25,000</b>	<b>\$25,000</b>
<i>10/12/18 to 10/11/19 National Aeronautics and Space Administration through University of Maryland at Baltimore</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Richardson, Noel Douglas	Physics and Astronomy, Department of			100	
<b>N-127112-01</b>	<b>Ultra-High Efficiency and Stable All-Perovskite Tandem Solar Cells</b>	<b>No</b>	<b>\$370,794</b>	<b>\$183,543</b>	<b>\$554,337</b>	<b>\$554,337</b>
<i>6/1/19 to 5/31/21 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			70	
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			15	
Co-I	Song, Zhaoning	Physics and Astronomy, Department of			15	
<b>N-127206-01</b>	<b>High Specific Power Multi-JunctionThin Film PV</b>	<b>No</b>	<b>\$1,732,855</b>	<b>\$857,763</b>	<b>\$2,590,618</b>	<b>\$2,590,618</b>
<i>8/16/18 to 8/15/21 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			25	
Co-I	Amar, Jacques G.	Physics and Astronomy, Department of				
Co-I	Collins, Robert W.	Physics and Astronomy, Department of			14	
Co-I	Heben, Michael J.	Physics and Astronomy, Department of			25	
Co-I	Khare, Sanjay V.	Physics and Astronomy, Department of				
Co-I	Phillips, Adam B.	Physics and Astronomy, Department of			10	
Co-I	Podraza, Nikolas Jacob	Physics and Astronomy, Department of			13	
Co-I	Yan, Yanfa	Physics and Astronomy, Department of			13	

# 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>
<b>Physics and Astronomy, Department of</b>						
<b>N-127252-01</b>	<b>Radiative Feedback from Massive Stars as Traced by Multiband Imaging and Spectroscopic Mosaics</b>	<b>No</b>	<b>\$14,950</b>	<b>\$7,400</b>	<b>\$22,350</b>	<b>\$22,350</b>
<i>1/1/19 to 12/31/20 Space Telescope Science Institute</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			
<b>N-127339-01</b>	<b>Transactive Campus</b>	<b>No</b>	<b>\$167,155</b>	<b>\$82,742</b>	<b>\$249,897</b>	<b>\$174,928</b>
<i>11/14/18 to 9/30/20 U.S. Department of Energy through Battelle</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Heben, Michael J.	Physics and Astronomy, Department of	40			
Co-I	Ellingson, Randall J.	Physics and Astronomy, Department of	30			
Co-I	Khanna, Raghav	Electrical Engineering and Computer Science, Department of	30			
<b>N-127400-01</b>	<b>PHANGS-HST: Linking Stars and Gas throughout the Scales of Star Formation</b>	<b>No</b>	<b>\$11,753</b>	<b>\$5,818</b>	<b>\$17,571</b>	<b>\$17,571</b>
<i>5/1/19 to 4/30/20 Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Chandar, Rupali	Physics and Astronomy, Department of	100			
<b>N-127456-01</b>	<b>Development of optical models for spectroscopic ellipsometry analyses of TCO coated glass with and without CdS layer</b>	<b>No</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i>1/15/19 to 6/15/19 Reel Solar Power, Inc.</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Koirala, Prakash	Physics and Astronomy, Department of	100			
Co-PI	Heben, Michael J.	Physics and Astronomy, Department of				
<b>N-127665-01-W1</b>	<b>Perovskite Process Implementation</b>	<b>No</b>	<b>\$96,321</b>	<b>\$47,679</b>	<b>\$144,000</b>	<b>\$144,000</b>
<i>5/16/19 to 4/30/20 First Solar, LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Yan, Yanfa	Physics and Astronomy, Department of	100			
Co-PI	Heben, Michael J.	Physics and Astronomy, Department of				
<b>S-127088-01</b>	<b>Driving the AGN Feedback Story With the Highest Resolution Observations</b>	<b>No</b>	<b>\$24,811</b>	<b>\$12,281</b>	<b>\$37,092</b>	<b>\$37,092</b>
<i>8/1/18 to 7/31/20 National Aeronautics and Space Administration through Space Telescope Science Institute</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			
Co-I	Medling, Anne Marie	Physics and Astronomy, Department of				
<b>T-127088-01</b>	<b>Driving the AGN Feedback Story With the Highest Resolution Observations</b>	<b>No</b>	<b>\$109,784</b>	<b>\$5,940</b>	<b>\$115,724</b>	<b>\$115,724</b>
<i>8/1/18 to 7/31/20 National Aeronautics and Space Administration through Space Telescope Science Institute</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Medling, Anne Marie	Physics and Astronomy, Department of	100			

## Natural Sciences & Mathematics, College of

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	<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
Sum of Department ( <b>Physics and Astronomy, Department o</b>				Award Count: <b>26.37</b>	<b>\$5,119,817</b>
Sum of College ( <b>Natural Sciences &amp; Mathematics, College</b>				Award Count: <b>76.20</b>	<b>\$11,442,173</b>

## Nursing, College of

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	<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Nursing, College of</b>					
<b>C-126723-02</b>	<b>No</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$30,000</b>
<b>2018-2019 Choose Ohio First Patient Centered Medical Home (PCMH)</b> <b>Advanced Nursing Scholarship</b> <i>Ohio Department of Higher Education</i> 7/1/18 to 6/30/19					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Lewandowski, Linda A.	Nursing, College of		100	
<b>C-126723-02-S1</b>	<b>No</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$10,000</b>
<b>2018-2019 Choose Ohio First Patient Centered Medical Home (PCMH)</b> <b>Advanced Nursing Scholarship</b> <i>Ohio Department of Higher Education</i> 7/1/18 to 6/30/19					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Lewandowski, Linda A.	Nursing, College of		100	
<b>N-124116-01</b>	<b>Yes</b>	<b>\$9,234</b>	<b>\$2,770</b>	<b>\$12,004</b>	<b>\$1,200</b>
<b>A Randomized, Double-Blind, Double-Dummy, Placebo-Controlled, Active-Controlled, Parallel-Group, Multicenter Trial of Oxycodone/Naloxone Controlled-Release Tablets (OXN) to Assess the Analgesic Efficacy (Compared to Placebo) and the Management of Opioid-Induced Constipation</b> <i>Purdue Pharma L.P. through Quintiles, Inc.</i> 6/24/13 to 6/23/14					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>	
PI/PD	Atallah, Joseph Noshi	Anesthesiology, Department of		60	
Co-I	Dugan, Amy L.	Nursing, College of		10	
Co-I	Gage, Emmanuel G.	Anesthesiology, Department of		10	
Co-I	Koning, Jonathan	Anesthesiology, Department of		10	
Co-I	Sarhan, Mazin	Anesthesiology, Department of		10	

## Nursing, College of

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Nursing, College of</b>						
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>	<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$37,498</b>
<i>9/30/18 to 9/29/19</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of		20		
Co-I	Gray, Temeaka A.	Nursing, College of		10		
Co-I	Johnson, Tressa S.	University Police		10		
Co-I	Laux, John Micah	School of Intervention & Wellness		10		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of		10		
Co-I	Petra, Megan Meta	School of Social Justice		10		
Co-I	Riddick, Vicki L.	Human Resources		10		
Co-I	Thompson, Amy J.	School of Population Health		20		
<b>N-127724-01</b>	<b>Academic Champions Grant</b>	<b>No</b>	<b>\$3,000</b>	<b>\$0</b>	<b>\$3,000</b>	<b>\$3,000</b>
<i>5/2/19 to 1/1/20</i>	<i>Echo 360</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Reuille, Kristina M.	Nursing, College of		100		
Sum of Department ( <b>Nursing, College of</b> )				Award Count: <b>3.40</b>		<b>\$81,698</b>
Sum of College ( <b>Nursing, College of</b> )				Award Count: <b>3.40</b>		<b>\$81,698</b>

## Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY19. 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>
<b>Center for Drug Design and Development</b>						
<b>C-125692-03</b>	<b>Developing PPAR Ligands</b>	<b>No</b>	<b>\$5,000</b>	<b>\$500</b>	<b>\$5,500</b>	<b>\$5,500</b>
<i>1/1/19 to 12/31/19</i>	<i>NWO Stem Cure, LLC</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Erhardt, Paul W.	Center for Drug Design and Development		100		
<b>N-127057-01</b>	<b>Development of Patentable, Methuophagy Inducing Compounds for Cancer Therapy</b>	<b>No</b>	<b>\$55,000</b>	<b>\$5,500</b>	<b>\$60,500</b>	<b>\$30,250</b>
<i>7/10/18 to 7/9/19</i>	<i>Systems Oncology, LLC</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
Co-PI	Erhardt, Paul W.	Center for Drug Design and Development		50		
Co-PI	Tiwari, Amit K.	Pharmacology, Department of		50		
Sum of Department ( <b>Center for Drug Design and Developm</b> )				Award Count: <b>1.50</b>		<b>\$35,750</b>

## 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>
<b>Medicinal and Biological Chemistry, Department of</b>						
<b>C-125945-02</b>	<b>Choose Ohio First for Excellence in the Pharmaceutical Sciences (COFEPS)</b>	<b>No</b>	<b>\$50,700</b>	<b>\$0</b>	<b>\$50,700</b>	<b>\$50,700</b>
<i>7/1/18 to 6/30/19 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Slama, James T.	Medicinal and Biological Chemistry, Department of			100	
<b>C-126111-02</b>	<b>Development of Attenuated Furoxans as Novel Therapies for Alzheimer's Disease</b>	<b>No</b>	<b>\$250,000</b>	<b>\$133,750</b>	<b>\$383,750</b>	<b>\$383,750</b>
<i>2/15/19 to 1/31/20 National Institute on Aging</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schiefer, Isaac T.	Medicinal and Biological Chemistry, Department of			75	
Co-I	Shah, Zahoor	Medicinal and Biological Chemistry, Department of			25	
Stdnt Schol	Chau, Le Quynh Tue					
Stdnt Schol	Sood, Ambika					
Stdnt Schol	Van Berkom, Alexander Paul	Medicinal and Biological Chemistry, Department of				
Stdnt Schol	Van Berkom, Andrew Willard	Medicinal and Biological Chemistry, Department of				
Stdnt Schol	Zajac, Kelsee Keyshu	Medicinal and Biological Chemistry, Department of				
<b>C-126361-02</b>	<b>In Vivo Photoaffinity Labeling Using Casper Zebrafish for Target Identification</b>	<b>No</b>	<b>\$50,000</b>	<b>\$26,750</b>	<b>\$76,750</b>	<b>\$49,887</b>
<i>4/1/19 to 3/31/20 National Institute on Drug Abuse</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Schiefer, Isaac T.	Medicinal and Biological Chemistry, Department of			65	
Co-I	Hall, Frank	Pharmacology, Department of			10	
Co-I	Williams, Frederick E.	Pharmacology, Department of			25	
Stdnt Schol	Hagood, Katelyn Christie					
<b>N-126856-01</b>	<b>Identification of the Elusive NAADP Receptor</b>	<b>No</b>	<b>\$326,066</b>	<b>\$135,832</b>	<b>\$461,898</b>	<b>\$401,851</b>
<i>9/20/18 to 8/31/21 National Institutes of Health</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Slama, James T.	Medicinal and Biological Chemistry, Department of			50	
Co-I	Isailovic, Dragan	Chemistry and Biochemistry, Department of			13	
Co-I	Wall, Katherine Ann	Medicinal and Biological Chemistry, Department of			37	
Sum of Department ( <b>Medicinal and Biological Chemistry, D</b> )						<b>Award Count: 3.52</b>
						<b>\$886,189</b>
<b>Pharm-Student Srvcs</b>						
<b>N-127219-01</b>	<b>Physical characterization of SPF boosting technology</b>	<b>No</b>	<b>\$5,454</b>	<b>\$545</b>	<b>\$5,999</b>	
<i>6/27/18 to 12/26/18 Croda</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>			<u>% Credit</u>	
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of			100	
Stdnt Schol	Abou-Dahech, Mariam Sami	Pharm-Student Srvcs				

# Pharmacy & Pharmaceutical Sciences, College of

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
Sum of Department ( <b>Pharm-Student Svcs</b> ) Award Count:						
<b>Pharmacology, Department of</b>						
<b>C-124653-03</b>	<b>The Role of Myocyte Primary Cilia in Cardiac Disease</b>	No	\$70,000	\$7,000	\$77,000	\$77,000
7/1/18 to 6/30/19	American Heart Association - Great Rivers Affiliate					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Aboualaiwi, Wissam Ali	Pharmacology, Department of	100			
<b>C-126073-02</b>	<b>CO2 Inhalation enhances the lability of fear memory</b>	No	\$250,000	\$89,100	\$339,100	\$16,955
1/1/19 to 12/31/19	National Institutes of Health					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Du, Jianyang	Biological Sciences, Department of	90			
Co-I	Sari, Youssef	Pharmacology, Department of	5			
Co-I	Wang, Xin	Psychiatry, Department of	5			
<b>C-126361-02</b>	<b>In Vivo Photoaffinity Labeling Using Casper Zebrafish for Target Identification</b>	No	\$50,000	\$26,750	\$76,750	\$26,863
4/1/19 to 3/31/20	National Institute on Drug Abuse					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Schiefer, Isaac T.	Medicinal and Biological Chemistry, Department of	65			
Co-I	Hall, Frank	Pharmacology, Department of	10			
Co-I	Williams, Frederick E.	Pharmacology, Department of	25			
Stdnt Schol	Hagood, Katelyn Christie					
<b>N-126183-01-A1</b>	<b>High throughput approaches to determining the lethality of synthetic psychoactive cathinones using Danio rerio larvae</b>	No	\$50,000	\$26,750	\$76,750	\$7,675
7/15/18 to 6/30/19	National Institutes of Health					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Hall, Frank	Pharmacy Practice, Department of	80			
Co-I	Schiefer, Isaac T.	Pharmacy Practice, Department of	10			
Co-I	Williams, Frederick E.	Pharmacology, Department of	10			
<b>N-126229-01</b>	<b>Anticancer Activities of Fevillea Cordifolia and its Active Constituents</b>	No	\$39,801	\$3,980	\$43,781	\$43,781
10/1/18 to 9/10/19	The Ministry of Higher Education, Science and Technology through National Evangelical University, UNEV Dominican Republic					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Tiwari, Amit K.	Pharmacology, Department of	100			
<b>N-126493-01</b>	<b>Targeting anthracycline resistance as a novel strategy to treat TNBC</b>	No	\$359,398	\$89,850	\$449,248	\$449,248
8/7/18 to 8/6/21	Susan G. Komen for the Cure					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Tiwari, Amit K.	Pharmacology, Department of	100			
Statistician	Khuder, Sadik	Medicine, 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>
<b>Pharmacology, Department of</b>								
<b>N-127057-01</b>	<b>Development of Patentable, Methuophagy Inducing Compounds for Cancer Therapy</b>			<b>No</b>	<b>\$55,000</b>	<b>\$5,500</b>	<b>\$60,500</b>	<b>\$30,250</b>
<i>7/10/18 to 7/9/19</i>	<i>Systems Oncology, LLC</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
Co-PI	Erhardt, Paul W.	Center for Drug Design and Development				50		
Co-PI	Tiwari, Amit K.	Pharmacology, Department of				50		
<b>N-127153-01</b>	<b>Pre-doc Fellowship for Hannah Saternos : Role of ciliary muscarinic acetylcholine receptor 3 in hypertension in Polycystic Kidney Disease</b>			<b>No</b>	<b>\$26,844</b>	<b>\$0</b>	<b>\$26,844</b>	<b>\$26,844</b>
<i>1/1/19 to 12/31/19</i>	<i>American Heart Association - National</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Aboualaiwi, Wissam Ali	Pharmacology, Department of				100		
Co-I	Joe, Bina	Phys Pharm Met/Cardio Science, Department of						
Stdnt Schol	Saternos, Hannah Coletta	Pharmacology, Department of						
Sum of Department (Pharmacology, Department of) Award Count: 5.00								<b>\$678,616</b>
<b>Pharmacy Practice, Department of</b>								
<b>C-121385-10</b>	<b>University of Toledo / Kroger Community Pharmacy Residency Program</b>			<b>No</b>	<b>\$111,322</b>	<b>\$33,397</b>	<b>\$144,719</b>	<b>\$144,719</b>
<i>2/1/19 to 6/30/19</i>	<i>Kroger Company</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Lengel, Aaron J.	Pharmacy Practice, Department of				100		
<b>N-126183-01-A1</b>	<b>High throughput approaches to determining the lethality of synthetic psychoactive cathinones using Danio rerio larvae</b>			<b>No</b>	<b>\$50,000</b>	<b>\$26,750</b>	<b>\$76,750</b>	<b>\$69,075</b>
<i>7/15/18 to 6/30/19</i>	<i>National Institutes of Health</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Hall, Frank	Pharmacy Practice, Department of				80		
Co-I	Schiefer, Isaac T.	Pharmacy Practice, Department of				10		
Co-I	Williams, Frederick E.	Pharmacology, Department of				10		
<b>N-127147-01</b>	<b>Development and validation of an SPME-GC-MS method for determination of fluasterone in rabbit plasma</b>			<b>No</b>	<b>\$6,154</b>	<b>\$1,846</b>	<b>\$8,000</b>	<b>\$4,000</b>
<i>7/1/18 to 9/30/18</i>	<i>University of Texas at El Paso</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Boddu, Sai Hanuman Sagar	Pharmacy Practice, Department of				50		
Co-I	Gionfriddo, Emanuela	Chemistry and Biochemistry, Department of				50		
<b>N-127219-01</b>	<b>Physical characterization of SPF boosting technology</b>			<b>No</b>	<b>\$5,454</b>	<b>\$545</b>	<b>\$5,999</b>	<b>\$5,999</b>
<i>6/27/18 to 12/26/18</i>	<i>Croda</i>							
<u>Role</u>	<u>Name</u>	<u>Department</u>				<u>% Credit</u>		
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of				100		
Stdnt Schol	Abou-Dahech, Mariam Sami	Pharm-Student Svcs						

## 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>
<b>Pharmacy Practice, Department of</b>						
<b>N-127611-01</b>	<b>MINHC project</b>	<b>No</b>	<b>\$18,518</b>	<b>\$1,482</b>	<b>\$20,000</b>	<b>\$10,000</b>
<i>3/1/19 to 8/31/19 Health Resources &amp; Services Administration through University of Illinois at Chicago</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Sahloff, Eric G.	Pharmacy Practice, Department of	50			
Co-PI	Duggan, Joan	Medicine, Department of	50			
<b>R-127059-02</b>	<b>Student Support</b>	<b>No</b>	<b>\$8,000</b>	<b>\$0</b>	<b>\$8,000</b>	<b>\$8,000</b>
<i>6/1/19 to 5/31/20 Access Business Group International LLC</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Baki, Gabriella	Pharmacy Practice, Department of	100			
Co-I	Zauel, Natalie Lauren					
Sum of Department ( <b>Pharmacy Practice, Department of</b> )			Award Count: <b>4.90</b>		<b>\$241,793</b>	
Sum of College ( <b>Pharmacy &amp; Pharmaceutical Sciences, Co</b> )			Award Count: <b>14.92</b>		<b>\$1,842,347</b>	

## 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>
<b>Learning Enhancement Center</b>						
<b>C-102723-30</b>	<b>Carl D. Perkins Grant</b>	<b>No</b>	<b>\$69,061</b>	<b>\$0</b>	<b>\$69,061</b>	<b>\$69,061</b>
<i>7/1/18 to 6/30/19 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	Tucker, Tia Nicole	Learning Enhancement Center	50			
Co-I	Radwanski, Julia M.	Learning Enhancement Center	50			
<b>C-103911-23</b>	<b>UT Student Support Services</b>	<b>No</b>	<b>\$235,515</b>	<b>\$18,841</b>	<b>\$254,356</b>	<b>\$254,356</b>
<i>9/1/18 to 8/31/19 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Stone, Robin	Learning Enhancement Center	100			
Stdnt Schol	Felbah, Alysia Shanae	Learning Enhancement Center				
Sum of Department ( <b>Learning Enhancement Center</b> )			Award Count: <b>2.00</b>		<b>\$323,417</b>	

## Provost, Executive VP Academic Affairs

<b>C-126385-02</b>	<b>2017-2019 Dash Emergency Grant</b>	<b>No</b>	<b>\$52,434</b>	<b>\$2,622</b>	<b>\$55,056</b>	<b>\$55,056</b>
<i>8/15/18 to 8/31/19 Ascendium Education Group</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Soliz, Michele Catherine	Provost, Executive VP Academic Affairs	100			

## Provost - Academic Affairs, Enrollment Services

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		Cash?	Direct Cost	Indirect Cost	Total Award	Dept Award Credit
<b>Provost, Executive VP Academic Affairs</b>						
<b>C-126385-02-I01</b>	<b>2017-2019 Dash Emergency Grant</b>	No	\$95,238	\$4,762	\$100,000	\$100,000
<i>8/15/18 to 8/31/19 Ascendium Education Group</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Soliz, Michele Catherine	Provost, Executive VP Academic Affairs	100			
<b>N-127230-01</b>	<b>The Student Experience at University of Toledo: Advancing Equity by Design</b>	No	\$250,000	\$0	\$250,000	\$125,000
<i>1/1/19 to 8/31/21 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	50			
Co-I	Berhan, Lesley	Mechanical, Industrial, and Manufacturing Engineering, Department of	30			
Co-I	McKether, Willie L.	Sociology and Anthropology, Department of	20			
<b>N-127243-01</b>	<b>Higher Education Leadership and Advocacy Summit</b>	No	\$10,000	\$0	\$10,000	\$10,000
<i>8/1/18 to 2/28/19 Mid American Conference Academic Consortium</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Thompson, Amy J.	Provost, Executive VP Academic Affairs	100			
<b>N-127595-01</b>	<b>Strong Start to Finish Grant</b>	No	\$19,000	\$0	\$19,000	\$19,000
<i>3/14/19 to 12/31/19 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Bartell, Denise Susan	Provost, Executive VP Academic Affairs	100			
<b>N-127639-01</b>	<b>Ohio Articulation and Transfer Network Consortium</b>	No	\$3,000	\$0	\$3,000	\$3,000
<i>1/15/19 to 10/31/19 Ohio Department of Higher Education through Ohio Articulation and Transfer Network</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Ayres, Russell William	Provost, Executive VP Academic Affairs	10			
Co-I	Paprocki, Angela	Provost, Executive VP Academic Affairs	90			
Sum of Department ( <b>Provost, Executive VP Academic Affai</b> )			Award Count: <b>5.50</b>		<b>\$312,056</b>	
Sum of College ( <b>Provost - Academic Affairs, Enrollment Se</b> )			Award Count: <b>7.50</b>		<b>\$635,473</b>	

## Public Safety

This report does **not** show all projects that were active in FY19. 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
<b>University Police</b>						

## Public Safety

This report does **not** show all projects that were active in FY19. 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>
<b>University Police</b>						
<b>N-127086-01</b>	<b>Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond</b>	<b>No</b>	<b>\$115,734</b>	<b>\$9,259</b>	<b>\$124,993</b>	<b>\$12,499</b>
<i>9/30/18 to 9/29/19</i>	<i>Substance Abuse and Mental Health Services Administration</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Lewandowski, Linda A.	Nursing, College of		20		
Co-I	Gray, Temeaka A.	Nursing, College of		10		
Co-I	Johnson, Tressa S.	University Police		10		
Co-I	Laux, John Micah	School of Intervention & Wellness		10		
Co-I	McCullumsmith, Cheryl Beth	Psychiatry, Department of		10		
Co-I	Petra, Megan Meta	School of Social Justice		10		
Co-I	Riddick, Vicki L.	Human Resources		10		
Co-I	Thompson, Amy J.	School of Population Health		20		
Sum of Department ( <b>University Police</b> )			Award Count: <b>0.10</b>			<b>\$12,499</b>
Sum of College ( <b>Public Safety</b> )			Award Count: <b>0.10</b>			<b>\$12,499</b>

## Research & Sponsored Programs MC

This report does **not** show all projects that were active in FY19. 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>
<b>Office of Research &amp; Development</b>						
<b>C-126438-02</b>	<b>Choose Ohio First: Building Ohio's Sustainable Energy Future</b>	<b>No</b>	<b>\$201,500</b>	<b>\$0</b>	<b>\$201,500</b>	<b>\$201,500</b>
<i>7/1/18 to 6/30/19</i>	<i>Ohio Department of Higher Education</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Calzonetti, Frank	Office of Research & Development		100		
Sum of Department ( <b>Office of Research &amp; Development</b> )			Award Count: <b>1.00</b>			<b>\$201,500</b>

## Research & Sponsored Programs

<b>C-125698-03</b>	<b>I-Corp Node: Activating the Midwest I-Corps Network</b>	<b>No</b>	<b>\$22,774</b>	<b>\$6,718</b>	<b>\$29,492</b>	<b>\$29,492</b>
<i>1/1/19 to 12/31/19</i>	<i>National Science Foundation through University of Michigan</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Rapino, Norman	Research & Sponsored Programs		100		
<b>C-125746-03</b>	<b>Topic II: NSF I-Corps Site at The University of Toledo</b>	<b>No</b>	<b>\$97,425</b>	<b>\$2,190</b>	<b>\$99,615</b>	<b>\$99,615</b>
<i>4/28/19 to 2/29/20</i>	<i>National Science Foundation</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>		<u>% Credit</u>		
PI/PD	Rapino, Norman	Research & Sponsored Programs		100		

## Research & Sponsored Programs MC

This report does **not** show all projects that were active in FY19. 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>
<b>Research &amp; Sponsored Programs</b>						
<b>C-126443-02</b>	<b>Entrepreneurial Services Provider Program</b>	<b>No</b>	<b>\$260,280</b>	<b>\$80,982</b>	<b>\$341,262</b>	<b>\$341,262</b>
<i>1/28/19 to 12/31/19 Ohio Development Services Agency through NextTech Ohio</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Genide, Brian Michael	Research & Sponsored Programs	100			
Co-I	Calzonetti, Frank	Research & Sponsored Programs				
Co-I	Rapino, Norman	Research & Sponsored Programs				
Co-I	Snider, Stephen J.	Technology Transfer				
<b>N-126728-01</b>	<b>MOU for Urban Affairs Center</b>	<b>No</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>
<i>7/1/17 to 6/30/19 Ohio Department of Higher Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Calzonetti, Frank	Research & Sponsored Programs	100			
		Sum of Department ( <b>Research &amp; Sponsored Programs</b> ) Award Count: <b>4.00</b>				<b>\$520,369</b>
<b>Technology Transfer</b>						
<b>C-126443-02</b>	<b>Entrepreneurial Services Provider Program</b>	<b>No</b>	<b>\$260,280</b>	<b>\$80,982</b>	<b>\$341,262</b>	
<i>1/28/19 to 12/31/19 Ohio Development Services Agency through NextTech Ohio</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Genide, Brian Michael	Research & Sponsored Programs	100			
Co-I	Calzonetti, Frank	Research & Sponsored Programs				
Co-I	Rapino, Norman	Research & Sponsored Programs				
Co-I	Snider, Stephen J.	Technology Transfer				
		Sum of Department ( <b>Technology Transfer</b> ) Award Count:				
		Sum of College ( <b>Research &amp; Sponsored Programs MC</b> ) Award Count: <b>5.00</b>				<b>\$721,869</b>

## Student Affairs

This report does **not** show all projects that were active in FY19. 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>
<b>Division of Student Affairs</b>						
<b>C-110170-12-S1</b>	<b>Upward Bound Program</b>	<b>No</b>	<b>\$37,038</b>	<b>\$2,962</b>	<b>\$40,000</b>	<b>\$40,000</b>
<i>9/1/18 to 8/31/19 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rogers, Pamela N.	Division of Student Affairs	100			

## Student Affairs

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
<b>Division of Student Affairs</b>						
<b>C-126194-02</b>	<b>Upward Bound Math &amp; Science Program</b>	<b>No</b>	<b>\$259,709</b>	<b>\$15,446</b>	<b>\$275,155</b>	<b>\$275,155</b>
<i>9/1/18 to 8/31/19 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rogers, Pamela N.	Division of Student Affairs	100			
<b>C-126194-02-S1</b>	<b>Upward Bound Math &amp; Science Program</b>	<b>No</b>	<b>\$37,038</b>	<b>\$2,962</b>	<b>\$40,000</b>	<b>\$40,000</b>
<i>9/1/18 to 8/31/19 U.S. Department of Education</i>						
<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 ( <b>Division of Student Affairs</b> )						<b>Award Count: 3.00</b>
						<b>\$355,155</b>
<b>Student Activities Admin</b>						
<b>N-127358-01</b>	<b>Rocket Fuel Food Recovery Program</b>	<b>No</b>	<b>\$55,400</b>	<b>\$0</b>	<b>\$55,400</b>	<b>\$55,400</b>
<i>2/1/19 to 1/31/20 Association of Public and Land Grant Universities</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spann, Sammy	Student Activities Admin	100			
Stdnt Schol	Schuetz, Emily Marie	Student Activities Admin				
Stdnt Schol	Torio, Ashlen T.	Student Activities Admin				
<b>R-108836-15</b>	<b>Camp Adventure Youth Services</b>	<b>No</b>	<b>\$26,000</b>	<b>\$0</b>	<b>\$26,000</b>	<b>\$26,000</b>
<i>9/1/18 to 8/31/19 University of Northern Iowa</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Spann, Sammy	Student Activities Admin	100			
Sum of Department ( <b>Student Activities Admin</b> )						<b>Award Count: 2.00</b>
						<b>\$81,400</b>
<b>Upward Bound</b>						
<b>C-110170-12</b>	<b>Upward Bound Program</b>	<b>No</b>	<b>\$422,643</b>	<b>\$23,688</b>	<b>\$446,331</b>	<b>\$446,331</b>
<i>9/1/18 to 8/31/19 U.S. Department of Education</i>						
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Rogers, Pamela N.	Upward Bound	100			
Sum of Department ( <b>Upward Bound</b> )						<b>Award Count: 1.00</b>
						<b>\$446,331</b>
Sum of College ( <b>Student Affairs</b> )						<b>Award Count: 6.00</b>
						<b>\$882,886</b>

## University College

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		<u>Cash?</u>	<u>Direct Cost</u>	<u>Indirect Cost</u>	<u>Total Award</u>	<u>Dept Award Credit</u>
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## University College

This report does **not** show all projects that were active in FY19. 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>
<b>Dean - University College</b>						
<b>N-123253-01</b>	<b>Military Service Center Student Support</b>	<b>Yes</b>	<b>\$7,860</b>	<b>\$0</b>	<b>\$7,860</b>	<b>\$7,860</b>
<i>1/1/12 to 6/30/13</i>	<i>U.S. Department of Veterans Affairs</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Lettman, Dennis S.	Dean - University College	100			
Sum of Department ( <b>Dean - University College</b> )			Award Count: <b>1.00</b>		<b>\$7,860</b>	
Sum of College ( <b>University College</b> )			Award Count: <b>1.00</b>		<b>\$7,860</b>	

## UT Medical Center

This report does **not** show all projects that were active in FY19. 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>
<b>OP-Clinic-Cardiology</b>						
<b>C-124708-04</b>	<b>US-Based, Observational, Drug Registry of Opsumit® (Macitentan) New Users in Clinical Practice</b>	<b>No</b>	<b>\$530</b>	<b>\$170</b>	<b>\$700</b>	<b>\$350</b>
<i>7/1/18 to 6/30/19</i>	<i>Actelion Clinical Operations, Inc.</i>					
<u>Role</u>	<u>Name</u>	<u>Department</u>	<u>% Credit</u>			
PI/PD	Khouri, Samer J.	Medicine, Department of	50			
Co-I	Garris, Theresa	OP-Clinic-Cardiology	50			
Sum of Department ( <b>OP-Clinic-Cardiology</b> )			Award Count: <b>0.50</b>		<b>\$350</b>	
Sum of College ( <b>UT Medical Center</b> )			Award Count: <b>0.50</b>		<b>\$350</b>	
<b>Grand Total:</b>			Award Count: <b>480.00</b>		<b>\$46,721,418</b>	