

The University of Toledo Research and Sponsored Programs
 FY 2020 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 FY20. 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> |
|--|---|----------------------------|--|--------------------------|--------------------|--------------------------|
| Geography and Planning, Department of | | | | | | |
| C-124355-04 | Support for the UT Urban Affairs Center | No | \$45,454 | \$4,546 | \$50,000 | \$50,000 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Shetty, Sujata | Geography and Planning, Department of | | 100 | |
| C-125107-05-I01 | Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education | No | \$526,798 | \$250,229 | \$777,027 | \$466,216 |
| <i>1/4/20 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 Engineering, Department of | | 20 | |
| | Co-I | Templin, Mark Arnold | Curriculum and Instruction, Department of | | 20 | |
| | Stdnt Schol | Oluwafemi, Olawale Ayodeji | Geography and Planning, Department of | | | |
| C-125855-03 | Industry Clusters and Location of Agriculture: Establishing a Theoretical Base for Economic Development Practice | No | \$5,600 | \$2,400 | \$8,000 | \$8,000 |
| <i>8/1/19 to 7/31/21 U.S. Department of Agriculture through Rutgers University</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Reid, Neil | Geography and Planning, Department of | | 100 | |
| N-127584-01 | David C and Lura M. Lovell Foundation Designated Fund | No | \$10,000 | \$0 | \$10,000 | \$10,000 |
| <i>9/1/19 to 2/15/21 Toledo Community Foundation through Advocates for Basic Legal Equality, Inc.</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Shetty, Sujata | Geography and Planning, Department of | | 100 | |
| N-127807-01 | Great Lakes Student Research Campaign: Engaging Students and Teachers in Authentic Watershed Studies | No | \$66,164 | \$13,303 | \$79,467 | \$79,467 |
| <i>2/1/20 to 7/31/21 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 | |
| | | | Sum of Department (Geography and Planning, Department | Award Count: 4.60 | | \$613,683 |

History, Department of

Arts and Letters, College of

This report does **not** show all projects that were active in FY20. 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> |
|--|--|---|--------------------|----------------------|--------------------|--------------------------|
| History, Department of | | | | | | |
| N-127419-01 | The World of Westover: Mary Willing Byrd, Gender, Slavery, and the Economics of Citizenship in Revolutionary Virginia | No | \$45,000 | \$0 | \$45,000 | \$45,000 |
| <i>8/1/19 to 4/30/20</i> | | <i>National Endowment for the Humanities</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Pflugrad-Jackisch, Ami Rebecca | History, Department of | | | 100 | |
| Sum of Department (History, Department of) Award Count: 1.00 | | | | | | \$45,000 |
| Psychology, Department of | | | | | | |
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | |
| <i>7/1/19 to 6/30/20</i> | | <i>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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | Psychiatry, Department of | | | | |
| C-125763-05 | Implicit Measurement of Motivations for Non-Suicidal Self-Injury | No | \$13,968 | \$0 | \$13,968 | \$13,968 |
| <i>7/1/19 to 12/31/20</i> | | <i>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-I | Tull, Matthew T. | Psychology, Department of | | | 30 | |
| C-127818-02 | Effects of Classical Music as a Component of Psychotherapy for Clients Diagnosed with PTSD | Yes | \$30,324 | \$0 | \$30,324 | \$30,324 |
| <i>7/1/20 to 6/30/21</i> | | <i>Toledo Alliance for the Performing Arts</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Tull, Matthew T. | Psychology, Department of | | | 50 | |
| Co-I | Rose, Jason P. | Psychology, Department of | | | 50 | |

Arts and Letters, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| Psychology, Department of | | | | | | |
| N-127070-01 | Mapping treatment components to targets in dialectical behavior therapy | No | \$18,508 | \$9,256 | \$27,764 | \$27,764 |
| <i>1/6/20 to 12/31/20 National Institute on Mental Health through University of Massachusetts Amherst</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Gratz, Kim L. | Psychology, Department of | | | 100 | |
| N-127569-01 | Developing new strategies to inhibit the nocebo effect | No | \$24,015 | \$0 | \$24,015 | \$24,015 |
| <i>1/1/20 to 12/31/22 University of Sydney</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Geers, Andrew | Psychology, Department of | | | 100 | |
| N-127818-01 | Effects of Classical Music as a Component of Psychotherapy for Clients Diagnosed with PTSD | No | \$18,557 | \$0 | \$18,557 | \$18,557 |
| <i>7/1/19 to 6/30/20 Toledo Alliance for the Performing Arts</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Tull, Matthew T. | Psychology, Department of | | | 50 | |
| Co-I | Rose, Jason P. | Psychology, Department of | | | 50 | |
| N-127832-01 | Implementation of canine-assisted forensic interviews with children | No | \$45,721 | \$4,572 | \$50,293 | \$42,749 |
| <i>11/1/19 to 4/30/21 Human-Animal Bond Research Institute (HABRI)</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Newton, Kamala London | Psychology, Department of | | | 85 | |
| Co-I | Hoy-Gerlach, Janet Marie | School of Social Justice | | | 15 | |
| N-128410-01 | NSF Graduate Research Fellowship Program | No | \$46,000 | \$0 | \$46,000 | \$46,000 |
| <i>5/1/19 to 4/30/24 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Baer, Margaret Marie | Psychology, Department of | | | 100 | |
| T-127608-01 | Predictors of Parents' Feeding Behaviors: A Dyadic Perspective | No | \$57,421 | \$28,519 | \$85,940 | \$85,940 |
| <i>9/1/19 to 8/31/20 National Institute of Child Health & Human Development</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Tan, Cin Cin | Psychology, Department of | | | 100 | |
| Sum of Department (Psychology, Department of) Award Count: 7.85 | | | | | | \$289,317 |
| Sociology and Anthropology, Department of | | | | | | |
| N-127628-01 | Minority Business Assistance Center (MBAC) Program | No | \$360,000 | \$0 | \$360,000 | \$360,000 |
| <i>7/1/19 to 6/30/21 Ohio Development Services Agency</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | McKether, Willie L. | Sociology and Anthropology, Department of | | | 100 | |
| Dir Ctr/Inst | Urrutia, Mark | Diversity & Inclusion | | | | |

Arts and Letters, College of

This report does **not** show all projects that were active in FY20. 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> |
|--|--|---|---------------------------|----------------------|--------------------|--------------------------|
| Sociology and Anthropology, Department of | | | | | | |
| N-128129-01 | JumpStart award title tbd | No | \$20,000 | \$0 | \$20,000 | \$20,000 |
| <i>11/1/19 to 6/30/20</i> | | <i>JumpStart</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McKether, Willie L. | Sociology and Anthropology, Department of | 100 | | | |
| N-128181-01 | 5/3 Bank Strengthening Our Communities Fund | No | \$25,000 | \$0 | \$25,000 | \$25,000 |
| <i>7/17/19 to 7/16/20</i> | | <i>Fifth Third Foundation</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McKether, Willie L. | Sociology and Anthropology, Department of | 100 | | | |
| Sum of Department (Sociology and Anthropology, Departm) | | | Award Count: 3.00 | | \$405,000 | |
| Sum of College (Arts and Letters, College of) | | | Award Count: 16.45 | | \$1,353,000 | |

Diversity & Inclusion

This report does **not** show all projects that were active in FY20. 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> |
|--|---|---|--------------------|----------------------|--------------------|--------------------------|
| Diversity & Inclusion | | | | | | |
| N-127628-01 | Minority Business Assistance Center (MBAC) Program | No | \$360,000 | \$0 | \$360,000 | |
| <i>7/1/19 to 6/30/21</i> | | <i>Ohio Development Services Agency</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McKether, Willie L. | Sociology and Anthropology, Department of | 100 | | | |
| Dir Ctr/Inst | Urrutia, Mark | Diversity & Inclusion | | | | |
| Sum of Department (Diversity & Inclusion) | | | Award Count: | | | |
| Sum of College (Diversity & Inclusion) | | | Award Count: | | | |

Education - Judith Herb College of

This report does **not** show all projects that were active in FY20. 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> |
|--|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Curriculum and Instruction, Department of | | | | | | |

Education - Judith Herb College of

This report does **not** show all projects that were active in FY20. 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> |
|---|--|--|--------------------|----------------------|--------------------|--------------------------|
| Curriculum and Instruction, Department of | | | | | | |
| C-125107-05-I01 | Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education | No | \$526,798 | \$250,229 | \$777,027 | \$155,405 |
| <i>1/4/20 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 Engineering, Department of | | 20 | | |
| Co-I | Templin, Mark Arnold | Curriculum and Instruction, Department of | | 20 | | |
| Stdnt Schol | Oluwafemi, Olawale Ayodeji | Geography and Planning, Department of | | | | |
| C-125284-05 | Northwest Ohio High Schools That Work/Making Middle Grades Work | No | \$414,369 | \$20,718 | \$435,087 | \$435,087 |
| <i>7/1/19 to 6/30/20 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 | | |
| Stdnt Schol | Paige, Jessica Noel | Curriculum and Instruction, Department of | | | | |
| D-128123-01 | SRG Evaluation | No | \$(13,182) | \$(1,318) | \$(14,500) | \$(7,250) |
| <i>1/1/20 to 9/30/20 Ohio Department of Education through Toledo Public Schools</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Delaney, Katherine Kresin | Early Childhood, Physical, and Special Education | | 50 | | |
| Co-I | Hapgood, Susanna | Curriculum and Instruction, Department of | | 50 | | |
| N-128123-01 | SRG Evaluation | No | \$13,182 | \$1,318 | \$14,500 | \$7,250 |
| <i>1/1/20 to 9/30/20 Ohio Department of Education through Toledo Public Schools</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Delaney, Katherine Kresin | Early Childhood, Physical, and Special Education | | 50 | | |
| Co-I | Hapgood, Susanna | Curriculum and Instruction, Department of | | 50 | | |
| R-126554-03 | Tech Prep Pathways Grant | No | \$110,248 | \$0 | \$110,248 | \$110,248 |
| <i>7/1/19 to 6/30/20 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 | | |
| R-126554-03-I01 | Tech Prep Pathways Grant | No | \$330,745 | \$0 | \$330,745 | \$330,745 |
| <i>7/1/19 to 6/30/20 Ohio Department of Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Wilson, Kathy S. | Curriculum and Instruction, Department of | | 96 | | |
| Co-I | Landversicht, Eric D. | Curriculum and Instruction, Department of | | 4 | | |
| Sum of Department (Curriculum and Instruction, Departme | | | | | | Award Count: 4.20 |
| | | | | | | \$1,031,485 |

Early Childhood, Physical, and Special Education

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> |
|---|---|--|--------------------|----------------------|--------------------|--------------------------|
| Early Childhood, Physical, and Special Education | | | | | | |
| C-125940-04 | Project Open House-Better Child Care for the Student with Developmental Disabilities | No | \$45,454 | \$4,545 | \$49,999 | \$49,999 |
| <i>1/1/20 to 12/31/20 Administration for Children and Families through Ohio Developmental Disabilities Planning Council</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Dinnebeil, Laurie A. | Early Childhood, Physical, and Special Education | 50 | | | |
| Co-I | McInerney, William F. | Early Childhood, Physical, and Special Education | 50 | | | |
| C-127201-02 | Great Start Higher Education (GSHE) | No | \$139,889 | \$10,111 | \$150,000 | \$150,000 |
| <i>1/1/20 to 10/31/20 U.S. Department of Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McInerney, William F. | Early Childhood, Physical, and Special Education | 100 | | | |
| Statistician | Fox, Christine | Educational Foundations and Leadership | | | | |
| D-128123-01 | SRG Evaluation | No | \$(13,182) | \$(1,318) | \$(14,500) | \$(7,250) |
| <i>1/1/20 to 9/30/20 Ohio Department of Education through Toledo Public Schools</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Delaney, Katherine Kresin | Early Childhood, Physical, and Special Education | 50 | | | |
| Co-I | Hapgood, Susanna | Curriculum and Instruction, Department of | 50 | | | |
| N-128123-01 | SRG Evaluation | No | \$13,182 | \$1,318 | \$14,500 | \$7,250 |
| <i>1/1/20 to 9/30/20 Ohio Department of Education through Toledo Public Schools</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Delaney, Katherine Kresin | Early Childhood, Physical, and Special Education | 50 | | | |
| Co-I | Hapgood, Susanna | Curriculum and Instruction, Department of | 50 | | | |
| R-106314-21 | CTE Teacher Preparation and Retention | No | \$100,000 | \$0 | \$100,000 | \$100,000 |
| <i>7/1/19 to 6/30/20 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 | Landversicht, Eric D. | Early Childhood, Physical, and Special Education | 100 | | | |
| Sum of Department (Early Childhood, Physical, and Specia | | Award Count: 4.00 | | \$299,999 | | |

Educational Foundations and Leadership

| | | | | | | |
|--|--|--|------------------|-----------------|------------------|--|
| C-127201-02 | Great Start Higher Education (GSHE) | No | \$139,889 | \$10,111 | \$150,000 | |
| <i>1/1/20 to 10/31/20 U.S. Department of Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McInerney, William F. | Early Childhood, Physical, and Special Education | 100 | | | |
| Statistician | Fox, Christine | Educational Foundations and Leadership | | | | |

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> |
|--|---|--|--------------------|--------------------------|--------------------|--------------------------|
| Educational Foundations and Leadership | | | | | | |
| N-126236-01 | Greater, Equity Access, and Readiness for Success for Engineering and Technology (GEARSET) | No | \$894,460 | \$105,524 | \$999,984 | \$399,994 |
| <i>1/1/20 to 12/31/24 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 | | | 50 | |
| Co-I | Kumar, Revathy | Educational Foundations and Leadership | | | 40 | |
| Co-I | Toole, Thomas Michael | Civil & Environmental Engineering, Department of | | | 10 | |
| Sum of Department (Educational Foundations and Leaders) | | | | Award Count: 0.40 | \$399,994 | |
| Sum of College (Education - Judith Herb College of) | | | | Award Count: 8.60 | \$1,731,478 | |

Engineering, College of

This report does **not** show all projects that were active in FY20. 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> |
|--|---|-------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Bioengineering, Department of | | | | | | |
| C-124228-05-S1 | Collaborative Research: I/UCRC for Technology Innovation for Novel Cost-Reducing and Quality-Enhancing Musculoskeletal Therapies | No | \$16,000 | \$0 | \$16,000 | \$16,000 |
| <i>7/16/19 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 | | | 100 | |
| Stdnt Schol | Ali, Hanan Barre Hashi | | | | | |
| Stdnt Schol | Cordero, Sean Manuel Quijano | Bioengineering, Department of | | | | |
| Stdnt Schol | Galyavutdinov, Ildar Maratovich | | | | | |
| Stdnt Schol | Kondaka, Akhila | | | | | |
| Stdnt Schol | Kumaran, Yogesh | | | | | |
| Stdnt Schol | Plakkot, Gayathri K. | Bioengineering, Department of | | | | |
| C-126326-03 | Choose Ohio First | No | \$703,638 | \$0 | \$703,638 | \$703,638 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Molitor, Scott C. | Bioengineering, Department of | | | 100 | |
| C-126328-03 | Choose Ohio First | No | \$108,000 | \$0 | \$108,000 | \$108,000 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Molitor, Scott C. | Bioengineering, Department of | | | 100 | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|--|--|--|-----------------|---------------|-------------|-------------------|
| Bioengineering, Department of | | | | | | |
| C-126736-03 | Regionally Aligned Priorities in Delivering Skills (RAPIDS 4.0) | No | \$474,287 | \$0 | \$474,287 | \$47,429 |
| 4/21/20 to 6/30/22 <i>Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Schroeder, Adam Michael | Mechanical, Industrial, and Manufacturing Engineering, Department of | 40 | | | |
| Co-I | Alaraje, Abdunnasser | Engineering Technology, Department of | 15 | | | |
| Co-I | Elahinia, Mohammad | Mechanical, Industrial, and Manufacturing Engineering, Department of | 15 | | | |
| Co-I | Lawrence, Joseph G. | Polymer Institute | 20 | | | |
| Co-I | Relue, Patricia Ann | Bioengineering, Department of | 10 | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | No | \$746,823 | \$74,681 | \$821,504 | |
| 7/3/19 to 6/30/20 <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 | Cameron, Brent D. | Bioengineering, Department of | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | |
| Co-I | Foss, Matthew J. | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | 50 | | | |
| Co-I | Singh, Shipra | School of Population Health | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | |
| N-128374-01 | Finite Element Analysis of Sacral Fracture (Zone 1 Denis Fracture) | No | \$23,412 | \$11,588 | \$35,000 | \$35,000 |
| 4/8/20 to 3/31/21 <i>Si-Bone, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| R-124228-06 | Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$75,472 | \$24,528 | \$100,000 | \$100,000 |
| 12/15/19 to 12/14/20 <i>National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124228-05-S3 | INTERN: Non-Academic research Internships for Graduate Students Supplemental | No | \$43,500 | \$11,310 | \$54,810 | \$54,810 |
| 7/1/19 to 6/30/20 <i>National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|--|--|-------------------------------|-----------------|---------------|-------------|-------------------|
| Bioengineering, Department of | | | | | | |
| S-124228-05-S4 | INTERN: Non-Academic research Internships for Graduate Students Supplemental | No | \$43,500 | \$11,310 | \$54,810 | \$54,810 |
| <i>7/1/19 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 | 100 | | | |
| S-124228-06-S1 | REU: Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$16,000 | \$0 | \$16,000 | \$16,000 |
| <i>7/1/20 to 6/30/21 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124228-06-W1 | Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$18,182 | \$1,818 | \$20,000 | \$20,000 |
| <i>3/1/20 to 2/28/25 Rainbow Medical, Ltd.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124228-06-W2 | Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$18,182 | \$1,818 | \$20,000 | \$20,000 |
| <i>2/26/20 to 12/14/20 Infoscitex</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124228-06-W3 | Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$18,181 | \$1,819 | \$20,000 | \$20,000 |
| <i>3/11/20 to 3/12/20 Auctus Surgical, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124228-06-W4 | Phase II IUCRC The University of Toledo: Center for Disruptive Musculoskeletal Innovations (CDMI) | No | \$36,364 | \$3,636 | \$40,000 | \$40,000 |
| <i>12/15/19 to 12/14/20 Johnson & Johnson</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Goel, Vijay K. | Bioengineering, Department of | 100 | | | |
| S-124747-01-S6 | PFI:AIR - TT: High Yield Production of Furans from Biomass Hydrolysates using a Hybrid Enzyme- and Chemo-catalytic Technology--INTERN | No | \$33,596 | \$8,735 | \$42,331 | \$42,331 |
| <i>8/21/19 to 1/31/21 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Relue, Patricia Ann | Bioengineering, Department of | 100 | | | |
| Sum of Department (Bioengineering, Department of) Award Count: 13.10 | | | | | | \$1,278,018 |

Engineering, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|--|--|--------------------|----------------------|--------------------|------------------------------|
| Chemical Engineering, Department of | | | | | | |
| C-125107-05-I01 | Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education | No | \$526,798 | \$250,229 | \$777,027 | \$155,405 |
| <i>1/4/20 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 Engineering, Department of | 20 | | | |
| Co-I | Templin, Mark Arnold | Curriculum and Instruction, Department of | 20 | | | |
| Stdnt Schol | Oluwafemi, Olawale Ayodeji | Geography and Planning, Department of | | | | |
| N-127742-01 | Development of Hot Non-Vitiated Air for Hypersonic Testing | No | \$457,786 | \$195,052 | \$652,838 | \$97,926 |
| <i>3/25/20 to 1/24/21 Office of Naval Research through Teledyne</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Huebner, Steven Roy | Mechanical, Industrial, and Manufacturing Engineering, Department of | 43 | | | |
| Co-I | Alba Rubio, Ana Carolina | Chemical Engineering, Department of | 15 | | | |
| Co-I | Cioc, Sorin | Mechanical, Industrial, and Manufacturing Engineering, Department of | 7 | | | |
| Co-I | Mason, Mark R. | Chemistry and Biochemistry, Department of | 35 | | | |
| N-127837-01 | High Fidelity Simulations of Membrane Gas Separation Modules--Subproject No. 03 | No | \$22,697 | \$11,235 | \$33,932 | \$33,932 |
| <i>8/19/19 to 10/31/20 U.S. Department of Energy through Oak Ridge Assoc Univs</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Lipscomb, Glenn | Chemical Engineering, Department of | 100 | | | |
| Stdnt Schol | Etiendem, Atabong Fontem | Chemical Engineering, Department of | | | | |
| N-127843-01 | Membrane Gas Separation Module Simulations for Process Simulators | No | \$25,410 | \$12,578 | \$37,988 | \$37,988 |
| <i>11/7/19 to 12/30/21 U.S. Department of Energy through Oak Ridge Assoc Univs</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Lipscomb, Glenn | Chemical Engineering, Department of | 100 | | | |
| N-128466-01 | Module Design of On-Demand Facilitated Transport Membranes | No | \$41,650 | \$20,838 | \$62,488 | \$62,488 |
| <i>5/12/20 to 9/30/20 U.S. Department of Energy through Idaho National Labs</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Lipscomb, Glenn | Chemical Engineering, Department of | 100 | | | |
| R-127075-03 | The research for high efficient nitrogen enriched air generation module | No | \$79,056 | \$39,133 | \$118,189 | \$118,189 |
| <i>7/8/19 to 3/31/21 Nissan Motor Co., Ltd.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Lipscomb, Glenn | Chemical Engineering, Department of | 100 | | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|---|-------------------------------------|-------------|---------------|-----------------|-------------------|
| Chemical Engineering, Department of | | | | | | |
| S-125929-01-S1 | Developing problem solving skills using student-generated problems that reverse engineer YouTube videos | No | \$10,000 | \$0 | \$10,000 | \$10,000 |
| <i>2/4/20 to 7/31/21 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Liberatore, Matthew Walter | Chemical Engineering, Department of | | | 100 | |
| S-125957-01-S1 | PFI:AIR - TT: Multifunctional Underwater Sealants with Long-Term Sustained Release Functionality--INTERN | No | \$30,075 | \$7,820 | \$37,895 | \$37,895 |
| <i>7/1/19 to 12/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Lapitsky, Yakov | Chemical Engineering, Department of | | | 100 | |
| S-125957-01-S2 | PFI:AIR - TT: Multifunctional Underwater Sealants with Long-Term Sustained Release Functionality--REU | No | \$16,000 | \$0 | \$16,000 | \$16,000 |
| <i>4/14/20 to 12/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Lapitsky, Yakov | Chemical Engineering, Department of | | | 55 | |
| Co-I | Liberatore, Matthew Walter | Chemical Engineering, Department of | | | 20 | |
| Co-I | Seo, Youngwoo | Chemical Engineering, Department of | | | 25 | |
| Stdnt Schol | Bickford, Rachael Krista | | | | | |
| Stdnt Schol | Hatem, Wesam | | | | | |
| S-126633-01-S1 | REU Supplement: Electrochemical Interaction of Nano-Cerium Oxide Composites with Hydroxyl Radicals | No | \$15,750 | \$0 | \$15,750 | \$15,750 |
| <i>1/1/20 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 Engineering, Department of | | | 50 | |
| Co-PI | Kim, Dong Shik | Chemical Engineering, Department of | | | 50 | |
| Stdnt Schol | Allen, Bryan J. | Chemical Engineering, Department of | | | | |
| S-127158-01-S1 | CAREER: Dual Function Materials for Capture and Conversion of CO2 into Methanol and Higher Alcohols | No | \$12,500 | \$0 | \$12,500 | \$12,500 |
| <i>1/1/20 to 2/29/24 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Alba Rubio, Ana Carolina | Chemical Engineering, Department of | | | 100 | |
| Stdnt Schol | Andonegui, Joseph A. | | | | | |
| Sum of Department (Chemical Engineering, Department of) | | | | | | Award Count: 9.35 |
| | | | | | | \$598,073 |

Civil & Environmental Engineering, Department of

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|--|---|--|-----------------|---------------|-------------|-------------------|
| Civil & Environmental Engineering, Department of | | | | | | |
| C-126299-02-W5 | Transportation Asset Management | No | \$9,625 | \$0 | \$9,625 | \$9,625 |
| <i>10/1/19 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 & Environmental Engineering, Department of | 100 | | | |
| C-126299-02-W6 | Transportation Asset Management | No | \$49,995 | \$19,484 | \$69,479 | \$69,479 |
| <i>3/11/20 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 & Environmental Engineering, Department of | 100 | | | |
| N-126236-01 | Greater, Equity Access, and Readiness for Success for Engineering and Technology (GEARSET) | No | \$894,460 | \$105,524 | \$999,984 | \$99,998 |
| <i>1/1/20 to 12/31/24 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 | 50 | | | |
| Co-I | Kumar, Revathy | Educational Foundations and Leadership | 40 | | | |
| Co-I | Toole, Thomas Michael | Civil & Environmental Engineering, Department of | 10 | | | |
| N-127543-01 | Development of an Analysis Methodology for Strengthening of Moment-Resisting Spread Footings | No | \$8,177 | \$4,048 | \$12,225 | \$12,225 |
| <i>8/26/19 to 8/21/20 Paul J. Ford & Co.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Guner, Serhan | Civil & Environmental Engineering, Department of | 100 | | | |
| N-127746-01 | Develop management plans for water treatment residuals in lagoons for beneficial reuse application | No | \$120,593 | \$60,340 | \$180,933 | \$180,933 |
| <i>1/21/20 to 1/20/25 Ohio Water Development Authority</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Seo, Youngwoo | Civil & Environmental Engineering, Department of | 70 | | | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | 30 | | | |
| N-127883-01 | Using AI/Machine Learning and Computer Vision for Transportation Data Collection | No | \$171,348 | \$78,652 | \$250,000 | \$237,500 |
| <i>6/8/20 to 6/7/22 U.S. Department of Transportation through Ohio Department of Transportation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Chou, Eddie Yein-Juin | Civil & Environmental Engineering, Department of | 95 | | | |
| Co-I | Sun, Weiqing | Engineering Technology, Department of | 5 | | | |

Engineering, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|--|--------------------|----------------------|--------------------|--------------------------|
| Civil & Environmental Engineering, Department of | | | | | | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | No | \$192,789 | \$0 | \$192,789 | \$19,279 |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | 35 | | |
| Co-I | Gohara, Amira | Pathology, Department of | | 5 | | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | 5 | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 5 | | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | | 5 | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | 35 | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | 5 | | |
| Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | | 5 | | |
| N-128362-01 | City of Columbus | No | \$41,250 | \$8,250 | \$49,500 | \$49,500 |
| <i>4/24/20 to 5/31/21</i> | <i>City of Columbus</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Chou, Eddie Yein-Juin | Civil & Environmental Engineering, Department of | | 100 | | |
| R-105227-25 | Indoor Radon | No | \$28,000 | \$0 | \$28,000 | \$28,000 |
| <i>10/1/19 to 9/30/20</i> | <i>U.S. Environmental Protection Agency through Ohio Department of Health</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Kumar, Ashok | Civil & Environmental Engineering, Department of | | 100 | | |
| S-125358-01-W2 | GOALI/Collaborative: Engineering Biofilm Dynamics for Cyanotoxins in Biological Water Treatment--INTERN | No | \$21,231 | \$5,520 | \$26,751 | \$26,751 |
| <i>6/1/19 to 2/28/21</i> | <i>National Science Foundation</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Seo, Youngwoo | Civil & Environmental Engineering, Department of | | 100 | | |
| Sum of Department (Civil & Environmental Engineering, De | | | | | | Award Count: 8.15 |
| | | | | | | \$733,290 |

Electrical Engineering and Computer Science, Department of

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|--|---|--|-------------|---------------|-----------------|-------------------|
| Electrical Engineering and Computer Science, Department of | | | | | | |
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | \$6,710 |
| <i>7/1/19 to 6/30/20 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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | Psychiatry, Department of | | | | |
| C-127118-02 | GaN-Based Power Bus Converter with Autonomous Control for Deep Space Small Spacecraft Power Subsystems | No | \$20,067 | \$9,933 | \$30,000 | \$30,000 |
| <i>10/30/19 to 9/27/20 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 | |
| C-127118-02-101 | GaN-Based Power Bus Converter with Autonomous Control for Deep Space Small Spacecraft Power Subsystems | No | \$6,689 | \$3,311 | \$10,000 | \$10,000 |
| <i>10/30/19 to 9/27/20 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 | |
| N-126463-01-102 | Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications | No | \$23,411 | \$11,589 | \$35,000 | \$35,000 |
| <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 | |
| Stdnt Schol | Collings, William M. | Electrical Engineering and Computer Science, Department of | | | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|--|--|------------------|-----------------|------------------|-------------------|
| Electrical Engineering and Computer Science, Department of | | | | | | |
| N-126463-01-I03 | Fundamental and Applied WBGs Device Modeling with Added Reliability Investigation for Next Generation Naval Applications | No | \$45,793 | \$22,667 | \$68,460 | \$68,460 |
| <i>3/20/20 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 | | | |
| Stdnt Schol | Collings, William M. | Electrical Engineering and Computer Science, Department of | | | | |
| N-126749-01 | SaTC: EDU: Collaborative: Visualization and Practice based Cybersecurity Curriculum and Training framework for transforming High School Students into the Next Generation Cyber-aware and Cyber-savvy Workforce | No | \$185,304 | \$82,438 | \$267,742 | \$267,742 |
| <i>8/1/19 to 7/31/22 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Javaid, Ahmad Y. | Electrical Engineering and Computer Science, Department of | 100 | | | |
| N-127752-01 | Machine Learning and Network Science for Predicting Kidney Transplant Survival | No | \$183,561 | \$91,016 | \$274,577 | \$178,475 |
| <i>8/1/19 to 7/31/20 National Institutes of Health</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Xu, Kevin Shuai | Electrical Engineering and Computer Science, Department of | 65 | | | |
| Co-I | Chen, Tian | Mathematics & Statistics, Department of | 10 | | | |
| Co-I | Stepkowski, Stanislaw M. | Med Microbiology & Immunology, Department of | 25 | | | |
| Stdnt Schol | Rizvi, Nabah | Electrical Engineering and Computer Science, Department of | | | | |
| N-127838-01 | Wideband and High-Power Reconfigurable Plasma Matching Network for Compact and Efficient Phased Array Emitters | No | \$13,712 | \$6,787 | \$20,499 | \$20,499 |
| <i>7/15/19 to 6/14/22 Office of Naval Research through Purdue University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Semnani, Abbas | Electrical Engineering and Computer Science, Department of | 100 | | | |
| N-127839-01 | Real-Time Optimization of Fundamental and Harmonic Load Impedances, Source Impedance, Input Power, and Bias | No | \$6,689 | \$3,311 | \$10,000 | \$10,000 |
| <i>7/1/19 to 12/31/19 Naval Surface Warfare Center Crane Division through Baylor Research Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Semnani, Abbas | Electrical Engineering and Computer Science, Department of | 100 | | | |
| N-127946-01 | Choose Ohio First: IMProving Retention and Student Success in Computing (COFIMPRESS-C) | No | \$50,059 | \$0 | \$50,059 | \$15,018 |
| <i>4/1/20 to 3/31/21 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Alaraje, Abdunnasser | Engineering Technology, Department of | 50 | | | |
| Co-I | Appel, Heidi M. | Honors Program | 20 | | | |
| Co-I | Serpen, Gursel | Electrical Engineering and Computer Science, Department of | 30 | | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|--|--|-------------|-----------------|-------------|-------------------|
| Electrical Engineering and Computer Science, Department of | | | | | | |
| N-128403-01 | Seed Program: Investigation of Power Electronics and Control Systems for Nuclear/Renewable Energy Parks | No | \$41,472 | \$20,528 | \$62,000 | \$31,000 |
| 4/21/20 to 9/30/20 | U.S. Department of Energy through Idaho National Labs | | | | | |
| <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 | Heben, Michael J. | Physics and Astronomy, Department of | | 50 | | |
| Stdnt Schol | McCaskey, Cameron Douglas | | | | | |
| Stdnt Schol | McGowan, Pierce M. | | | | | |
| Sum of Department (Electrical Engineering and Computer S | | | | | | Award Count: 8.46 |
| | | | | | | \$672,904 |
| Engineering Career Development | | | | | | |
| N-126436-01-I01 | Ohio Means Internships & Co-ops (OMIC 3.0) | No | \$500 | \$0 | \$500 | \$500 |
| 7/1/16 to 6/30/21 | Ohio Department of Higher Education through Bowling Green State University | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Gorny, Angela Marie | Engineering Career Development | | 100 | | |
| Sum of Department (Engineering Career Development) | | | | | | Award Count: 1.00 |
| | | | | | | \$500 |
| Engineering Technology, Department of | | | | | | |
| C-126736-03 | Regionally Aligned Priorities in Delivering Skills (RAPIDS 4.0) | No | \$474,287 | \$0 | \$474,287 | \$71,143 |
| 4/21/20 to 6/30/22 | Ohio Department of Higher Education | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Schroeder, Adam Michael | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 40 | | |
| Co-I | Alaraje, Abdunnasser | Engineering Technology, Department of | | 15 | | |
| Co-I | Elahinia, Mohammad | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 15 | | |
| Co-I | Lawrence, Joseph G. | Polymer Institute | | 20 | | |
| Co-I | Relue, Patricia Ann | Bioengineering, Department of | | 10 | | |
| N-127757-01 | Development of High Temperature Support Material for Additive Manufacturing | No | \$34,835 | \$11,321 | \$46,156 | |
| 7/11/19 to 6/30/20 | Eaton Corporation | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Lawrence, Joseph G. | Polymer Institute | | 100 | | |
| Stdnt Schol | Harger, Jonathon Chance | Engineering Technology, Department of | | | | |
| N-127883-01 | Using AI/Machine Learning and Computer Vision for Transportation Data Collection | No | \$171,348 | \$78,652 | \$250,000 | \$12,500 |
| 6/8/20 to 6/7/22 | 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 & Environmental Engineering, Department of | | 95 | | |
| Co-I | Sun, Weiqing | Engineering Technology, Department of | | 5 | | |

Engineering, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|--|--------------------|----------------------|--------------------|--------------------------|
| Engineering Technology, Department of | | | | | | |
| N-127946-01 | Choose Ohio First: IMProving Retention and Student Success in Computing (COFIMPRESS-C) | No | \$50,059 | \$0 | \$50,059 | \$25,030 |
| <i>4/1/20 to 3/31/21</i> | <i>Ohio Department of Higher Education</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Alaraje, Abdunnasser | Engineering Technology, Department of | 50 | | | |
| Co-I | Appel, Heidi M. | Honors Program | 20 | | | |
| Co-I | Serpen, Gursel | Electrical Engineering and Computer Science, Department of | 30 | | | |
| N-128387-01 | TechCred Round 3 (March 2020) | No | \$6,000 | \$0 | \$6,000 | \$6,000 |
| <i>6/25/20 to 12/31/21</i> | <i>Ohio Development Services Agency</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Alaraje, Abdunnasser | Engineering Technology, Department of | 100 | | | |
| Sum of Department (Engineering Technology, Department) | | | | | | Award Count: 1.70 |
| | | | | | | \$114,673 |
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-119911-16-I01 | Turbomachinery Computational Aero-Acoustics Research | No | \$35,688 | \$17,665 | \$53,353 | \$53,353 |
| <i>10/1/19 to 3/31/20</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 | | | |
| C-123604-14 | VPL-12-051 Multistage Turbomachinery Advanced Computational Tool Development W141 | No | \$88,104 | \$17,621 | \$105,725 | \$105,725 |
| <i>10/1/19 to 3/31/20</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 | | | |
| C-124162-06-I08 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$46,589 | \$12,113 | \$58,702 | \$58,702 |
| <i>8/27/19 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 | | | |
| C-124162-06-I09 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$9,743 | \$2,533 | \$12,276 | \$12,276 |
| <i>9/23/19 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 | | | |

Engineering, College of

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|---|---|--|-------------|-----------------|-------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124162-07 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,326 | \$5,025 | \$24,351 | \$24,351 |
| 10/1/19 to 3/31/20 | 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 | | |
| C-124162-07-I01 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,326 | \$5,025 | \$24,351 | \$24,351 |
| 11/7/19 to 3/31/20 | 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 | | |
| C-124162-07-I02 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,325 | \$5,025 | \$24,350 | \$24,350 |
| 11/25/19 to 3/31/20 | 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 | | |
| C-124162-07-I03 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,326 | \$5,025 | \$24,351 | \$24,351 |
| 12/20/19 to 3/31/20 | 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 | | |
| C-124162-07-I04 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,326 | \$5,025 | \$24,351 | \$24,351 |
| 2/14/20 to 3/31/20 | 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 | | |
| C-124162-07-I05 | Microstructural Analysis and Structure Property Relationships in Advanced Metallic Materials | No | \$19,326 | \$5,025 | \$24,351 | \$24,351 |
| 3/25/20 to 3/31/20 | 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> |
|---|---|--|--------------------|----------------------|--------------------|--------------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124163-06-I08 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$42,438 | \$11,034 | \$53,472 | \$53,472 |
| 8/27/19 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 | | |
| C-124163-06-I09 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$7,864 | \$2,045 | \$9,909 | \$9,909 |
| 9/23/19 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 | | |
| C-124163-07 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$17,596 | \$4,575 | \$22,171 | \$22,171 |
| 10/1/19 to 3/31/20 | 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 | | |
| C-124163-07-I01 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$17,595 | \$4,575 | \$22,170 | \$22,170 |
| 11/7/19 to 3/31/20 | 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 | | |
| C-124163-07-I02 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$17,596 | \$4,575 | \$22,171 | \$22,171 |
| 11/25/19 to 3/31/20 | 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 | | |
| C-124163-07-I03 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$17,596 | \$4,575 | \$22,171 | \$22,171 |
| 12/20/19 to 3/31/20 | 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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|---|---|--|-------------|---------------|-----------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124163-07-I04 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$17,596 | \$4,575 | \$22,171 | \$22,171 |
| 2/14/20 to 3/31/20 | 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 | |
| C-124163-07-I05 | Extended Durability of Materials in Aerospace Propulsion and Power Systems | No | \$15,873 | \$4,127 | \$20,000 | \$20,000 |
| 3/25/20 to 3/31/20 | 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 | |
| C-124164-06-I08 | Analysis for Future Aircraft Propulsion Systems | No | \$26,649 | \$6,929 | \$33,578 | \$33,578 |
| 8/27/19 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 | |
| C-124164-06-I09 | Analysis for Future Aircraft Propulsion Systems | No | \$2,894 | \$753 | \$3,647 | \$3,647 |
| 9/23/19 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 | |
| C-124164-07 | Analysis for Future Aircraft Propulsion Systems | No | \$10,556 | \$2,744 | \$13,300 | \$13,300 |
| 10/1/19 to 3/31/20 | 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 | |
| C-124164-07-I01 | Analysis for Future Aircraft Propulsion Systems | No | \$10,556 | \$2,744 | \$13,300 | \$13,300 |
| 11/7/19 to 3/31/20 | 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 | |
| C-124164-07-I02 | Analysis for Future Aircraft Propulsion Systems | No | \$10,556 | \$2,744 | \$13,300 | \$13,300 |
| 11/25/19 to 3/31/20 | 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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|--|--|--|--------------------|----------------------|--------------------|------------------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124164-07-I03 | Analysis for Future Aircraft Propulsion Systems | No | \$10,317 | \$2,683 | \$13,000 | \$13,000 |
| <i>12/20/19 to 3/31/20 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 | | |
| C-124164-07-I04 | Analysis for Future Aircraft Propulsion Systems | No | \$10,317 | \$2,683 | \$13,000 | \$13,000 |
| <i>2/14/20 to 3/31/20 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 | | |
| C-124164-07-I05 | Analysis for Future Aircraft Propulsion Systems | No | \$10,317 | \$2,683 | \$13,000 | \$13,000 |
| <i>3/25/20 to 3/31/20 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 | | |
| C-124208-07-I08 | Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan | No | \$42,003 | \$10,921 | \$52,924 | \$52,924 |
| <i>8/27/19 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 | | |
| C-124208-07-I09 | Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan | No | \$12,943 | \$3,365 | \$16,308 | \$16,308 |
| <i>9/23/19 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 | | |
| C-124208-08 | Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan | No | \$18,386 | \$4,780 | \$23,166 | \$23,166 |
| <i>10/1/19 to 3/31/20 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 | | |
| C-124208-08-I01 | Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan | No | \$18,386 | \$4,780 | \$23,166 | \$23,166 |
| <i>11/7/19 to 3/31/20 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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|--|---|--|--------------------|----------------------|--------------------|--------------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124208-08-I02 | Aeroelastic Analysis for Boundary Layer Ingesting Inlet-Fan | No | \$18,386 | \$4,780 | \$23,166 | \$23,166 |
| <i>11/25/19 to 3/31/20 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 | | |
| C-124216-06-I08 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$33,243 | \$8,643 | \$41,886 | \$41,886 |
| <i>8/27/19 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 | | |
| C-124216-06-I09 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$6,749 | \$1,755 | \$8,504 | \$8,504 |
| <i>9/23/19 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 | | |
| C-124216-07 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$13,227 | \$3,439 | \$16,666 | \$16,666 |
| <i>10/1/19 to 3/31/20 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 | | |
| C-124216-07-I01 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$13,369 | \$3,476 | \$16,845 | \$16,845 |
| <i>11/7/19 to 3/30/20 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 | | |
| C-124216-07-I02 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$13,369 | \$3,476 | \$16,845 | \$16,845 |
| <i>11/25/19 to 3/31/20 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 | | |
| C-124216-07-I03 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$12,972 | \$3,373 | \$16,345 | \$16,345 |
| <i>12/20/19 to 3/31/20 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

This report does **not** show all projects that were active in FY20. 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> |
|--|---|--|--------------------|----------------------|--------------------|--------------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124216-07-I04 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$12,972 | \$3,373 | \$16,345 | \$16,345 |
| <i>2/14/20 to 3/31/20 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 | | | |
| C-124216-07-I05 | Analysis and Testing of Advanced Materials and Structures (85T.08) | No | \$12,698 | \$3,302 | \$16,000 | \$16,000 |
| <i>3/25/20 to 3/31/20 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 | | | |
| C-124218-06-I08 | Advanced Aerospace Seals Research | No | \$54,927 | \$14,281 | \$69,208 | \$69,208 |
| <i>8/27/19 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 | | | |
| C-124218-07 | Advanced Aerospace Seals Research | No | \$27,607 | \$7,178 | \$34,785 | \$34,785 |
| <i>10/1/19 to 3/31/20 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 | | | |
| C-124218-07-I01 | Advanced Aerospace Seals Research | No | \$27,607 | \$7,178 | \$34,785 | \$34,785 |
| <i>11/7/19 to 3/31/20 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 | | | |
| C-124218-07-I02 | Advanced Aerospace Seals Research | No | \$27,607 | \$7,178 | \$34,785 | \$34,785 |
| <i>11/25/19 to 3/31/20 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 | | | |
| C-124218-07-I03 | Advanced Aerospace Seals Research | No | \$26,372 | \$6,857 | \$33,229 | \$33,229 |
| <i>12/20/19 to 3/31/20 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

This report does **not** show all projects that were active in FY20. 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> |
|---|---|--|--------------------|----------------------|--------------------|------------------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-124218-07-I04 | Advanced Aerospace Seals Research | No | \$15,873 | \$4,127 | \$20,000 | \$20,000 |
| <i>2/20/20 to 3/31/20</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 | | | |
| C-124218-07-I05 | Advanced Aerospace Seals Research | No | \$7,937 | \$2,063 | \$10,000 | \$10,000 |
| <i>3/25/20 to 3/31/20</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 | | | |
| C-125269-08 | Computational Investigation of Turbine Aerodynamics and Heat Transfer-GlennHT CFD Analysis (WO #14) | No | \$29,368 | \$5,873 | \$35,241 | \$35,241 |
| <i>10/1/19 to 3/31/20</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 | | | |
| C-125830-04-I08 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$29,519 | \$7,675 | \$37,194 | \$37,194 |
| <i>8/27/19 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 | | | |
| C-125830-05 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$11,007 | \$2,862 | \$13,869 | \$13,869 |
| <i>10/1/19 to 3/31/20</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 | | | |
| C-125830-05-I01 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$11,007 | \$2,862 | \$13,869 | \$13,869 |
| <i>11/7/19 to 3/31/20</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 |
|---|---|--|-------------|-----------------|-------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-125830-05-I02 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$11,007 | \$2,862 | \$13,869 | \$13,869 |
| <i>11/25/19 to 3/31/20 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 | | |
| C-125830-05-I03 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$11,007 | \$2,862 | \$13,869 | \$13,869 |
| <i>12/20/19 to 3/31/20 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 | | |
| C-125830-05-I04 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$11,007 | \$2,862 | \$13,869 | \$13,869 |
| <i>2/14/20 to 3/31/20 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 | | |
| C-125830-05-I05 | Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations | No | \$10,317 | \$2,683 | \$13,000 | \$13,000 |
| <i>3/25/20 to 3/31/20 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 | | |
| C-125891-03-I08 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$32,483 | \$8,445 | \$40,928 | \$40,928 |
| <i>8/27/19 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 | | |
| C-125891-03-I09 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$3,290 | \$855 | \$4,145 | \$4,145 |
| <i>9/23/19 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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|--|---|--|-----------------|-----------------|-----------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-125891-04 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>10/1/19 to 3/31/20 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 | | |
| C-125891-04-I01 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>11/7/19 to 3/31/20 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 | | |
| C-125891-04-I02 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>11/25/19 to 3/31/20 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 | | |
| C-125891-04-I03 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>12/20/19 to 3/31/20 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 | | |
| C-125891-04-I04 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>2/14/20 to 3/31/20 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 | | |
| C-125891-04-I05 | High Temperature Materials and Coatings for Extreme Environments - OY3 | No | \$12,518 | \$3,255 | \$15,773 | \$15,773 |
| <i>3/25/20 to 3/31/20 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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|---|--|--|-----------------|---------------|-------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| C-126736-03 | Regionally Aligned Priorities in Delivering Skills (RAPIDS 4.0) | No | \$474,287 | \$0 | \$474,287 | \$260,858 |
| 4/21/20 to 6/30/22 | Ohio Department of Higher Education | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Schroeder, Adam Michael | Mechanical, Industrial, and Manufacturing Engineering, Department of | 40 | | | |
| Co-I | Alaraje, Abdunnasser | Engineering Technology, Department of | 15 | | | |
| Co-I | Elahinia, Mohammad | Mechanical, Industrial, and Manufacturing Engineering, Department of | 15 | | | |
| Co-I | Lawrence, Joseph G. | Polymer Institute | 20 | | | |
| Co-I | Relue, Patricia Ann | Bioengineering, Department of | 10 | | | |
| C-127233-02 | Snow Test for Ford Vehicle Camera | No | \$86,765 | \$42,949 | \$129,714 | \$129,714 |
| 1/1/20 to 12/31/20 | Ford Motor Company | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Sojoudi, Hossein | Mechanical, Industrial, and Manufacturing Engineering, Department of | 100 | | | |
| Stdnt Schol | Otto, Gabriel Joseph | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | |
| C-127596-03 | Advanced Computational Simulation of Multistage Turbomachinery | No | \$103,178 | \$20,635 | \$123,813 | \$123,813 |
| 10/1/19 to 3/31/20 | 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 | | | |
| C-128194-01-I01 | Advanced Aerospace Seals Research for Reimbursable Interagency Agreement with DARPA – Task 91T.34 | No | \$7,937 | \$2,063 | \$10,000 | \$10,000 |
| 3/25/20 to 3/31/20 | 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 | | | |
| N-126236-01 | Greater, Equity Access, and Readiness for Success for Engineering and Technology (GEARSET) | No | \$894,460 | \$105,524 | \$999,984 | \$499,992 |
| 1/1/20 to 12/31/24 | National Science Foundation | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Berhan, Lesley | Mechanical, Industrial, and Manufacturing Engineering, Department of | 50 | | | |
| Co-I | Kumar, Revathy | Educational Foundations and Leadership | 40 | | | |
| Co-I | Toole, Thomas Michael | Civil & Environmental Engineering, Department of | 10 | | | |
| N-127404-01 | Customized 3D printed PEEK-AMP Dental Implants with Enhanced Osseointegration | No | \$29,000 | \$0 | \$29,000 | \$29,000 |
| 7/1/19 to 6/30/21 | International Association for Dental Research through University of Michigan | | | | | |
| <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 | | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|--|--------------------------|--|-----------------|-------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| N-127657-01 | Air Wave Bearings for Turbine Engines | No | \$837,586 | \$260,951 | \$1,098,537 | \$1,098,537 |
| <i>9/30/19 to 9/29/22 Office of Naval Research</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Ene, Nicoleta | Mechanical, Industrial, and Manufacturing Engineering, Department of | 100 | | |
| N-127742-01 | Development of Hot Non-Vitiated Air for Hypersonic Testing | No | \$457,786 | \$195,052 | \$652,838 | \$326,419 |
| <i>3/25/20 to 1/24/21 Office of Naval Research through Teledyne</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Huebner, Steven Roy | Mechanical, Industrial, and Manufacturing Engineering, Department of | 43 | | |
| | Co-I | Alba Rubio, Ana Carolina | Chemical Engineering, Department of | 15 | | |
| | Co-I | Cioc, Sorin | Mechanical, Industrial, and Manufacturing Engineering, Department of | 7 | | |
| | Co-I | Mason, Mark R. | Chemistry and Biochemistry, Department of | 35 | | |
| N-127814-01 | Experimental and Numerical Studies of Snow Formation, Characterization, and Accumulation | No | \$44,426 | \$0 | \$44,426 | \$44,426 |
| <i>9/1/19 to 8/31/20 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 | | |
| N-127824-01 | Patient-Specific Three-dimensional (3D) Printed Bioceramic Scaffold for Alveolar Ridge Preservation | No | \$5,000 | \$0 | \$5,000 | \$5,000 |
| <i>1/1/20 to 12/31/21 American Academy of Implant Dentistry Foundation through University of Michigan</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 | | |
| N-127862-01 | Fundamental Research on Controlled Porous Surfaces to Enhance Nucleate Boiling of Mixtures | No | \$46,826 | \$0 | \$46,826 | \$46,826 |
| <i>9/1/19 to 8/31/20 American Chemical Society</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Gupta, Anju R. | Mechanical, Industrial, and Manufacturing Engineering, Department of | 100 | | |
| N-127897-01 | Novel Bioceramic-based 3D Printed Hybrid Scaffold for Local MicroRNA Delivery | No | \$18,186 | \$1,819 | \$20,005 | \$20,005 |
| <i>8/1/19 to 7/31/21 OsteoScience Foundation through University of Michigan</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 | | |
| N-127907-01 | Intergovernmental Personnel Act Assignment (IPA) Program | No | \$290,331 | \$0 | \$290,331 | \$290,331 |
| <i>8/19/19 to 8/18/20 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 | | |

Engineering, College of

This report does **not** show all projects that were active in FY20. 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 |
|--|--|--|------------------|-----------------|------------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| N-128194-01 | Advanced Aerospace Seals Research for Reimbursable Interagency Agreement with DARPA – Task 91T.34 | No | \$8,007 | \$2,082 | \$10,089 | \$10,089 |
| <i>2/1/20 to 3/31/20 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 | | |
| N-128290-01 | Scalable Production of Boron Nitride Nano-sheets (BNNS) using Compressible Flow Exfoliation | No | \$27,304 | \$13,515 | \$40,819 | \$40,819 |
| <i>3/16/20 to 7/31/21 National Aeronautics and Space Administration</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 | | |
| N-128307-01 | Compact Gas Turbine Compressor CFD Analysis | No | \$75,897 | \$21,360 | \$97,257 | \$97,257 |
| <i>4/1/20 to 9/30/20 National Aeronautics and Space Administration through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Hixon, Duane | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 100 | | |
| N-128330-01 | Compact Gas Turbine Compressor CFD Analysis | No | \$95,817 | \$24,912 | \$120,729 | \$120,729 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 100 | | |
| N-128331-01 | Reimbursable Research and Engineering Support for Development and Testing of High Temperature Seals for DARPA High-Speed Vehicle Program - SAE-0102 | No | \$24,065 | \$6,257 | \$30,322 | \$30,322 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 100 | | |
| N-128332-01 | Research and Engineering Support for Advanced Seals Development | No | \$129,445 | \$33,656 | \$163,101 | \$163,101 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 100 | | |
| N-128333-01 | Experimental and Computational Investigation of Turbine Aerodynamics & Heat Transfer for CGT Power Extraction and High Power Density Core | No | \$27,968 | \$7,272 | \$35,240 | \$35,240 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | 100 | | |

Engineering, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|--|--|-------------|---------------|-----------------|-------------------|
| Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | | | |
| N-128334-01 | Advanced Computational Tools for the Simulation of Multistage Turbomachinery in Support of Aeropropulsion | No | \$82,580 | \$21,471 | \$104,051 | \$104,051 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128335-01 | Analysis for Future Aircraft Propulsion Systems | No | \$63,335 | \$16,467 | \$79,802 | \$79,802 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128351-01 | High Temperature Materials & Coatings for Extreme Environments | No | \$73,394 | \$19,083 | \$92,477 | \$92,477 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128352-01 | Nondestructive Evaluation for Aerospace Materials & Structures | No | \$64,528 | \$16,777 | \$81,305 | \$81,305 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128353-01 | Advanced Microscopy and Microstructural Analysis | No | \$216,462 | \$56,280 | \$272,742 | \$272,742 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128354-01 | Analysis and Testing of Advanced Materials & Structures | No | \$75,665 | \$19,673 | \$95,338 | \$95,338 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| N-128355-01 | Experimental Support for Measurements of Blade Vibrations | No | \$20,629 | \$5,363 | \$25,992 | \$25,992 |
| <i>4/1/20 to 9/30/20 NASA John H. Glenn Research Center at Lewis Field through HX5, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Keith, Theo G. | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 100 | |
| S-127638-01 | Mitigation of Snow Formation and Accumulation on Solar Panels of Clearway Energy Group | No | \$63,545 | \$31,455 | \$95,000 | \$95,000 |
| <i>1/1/20 to 12/31/20 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 | |
| Dir Ctr/Inst | Katey, Bright | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | | |
| Stdnt Schol | Otto, Gabriel Joseph | | | | | |

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 (Mechanical, Industrial, and Manufactu | | Award Count: 88.55 | | | \$5,735,155 | |
| Polymer Institute | | | | | | |
| C-126736-03 | Regionally Aligned Priorities in Delivering Skills (RAPIDS 4.0) | No | \$474,287 | \$0 | \$474,287 | \$94,857 |
| <i>4/21/20 to 6/30/22</i> | <i>Ohio Department of Higher Education</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Schroeder, Adam Michael | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 40 | |
| Co-I | Alaraje, Abdunnasser | Engineering Technology, Department of | | | 15 | |
| Co-I | Elahinia, Mohammad | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 15 | |
| Co-I | Lawrence, Joseph G. | Polymer Institute | | | 20 | |
| Co-I | Relue, Patricia Ann | Bioengineering, Department of | | | 10 | |
| N-127757-01 | Development of High Temperature Support Material for Additive Manufacturing | No | \$34,835 | \$11,321 | \$46,156 | \$46,156 |
| <i>7/11/19 to 6/30/20</i> | <i>Eaton Corporation</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Lawrence, Joseph G. | Polymer Institute | | | 100 | |
| Stdnt Schol | Harger, Jonathon Chance | Engineering Technology, Department of | | | | |
| Sum of Department (Polymer Institute) | | Award Count: 1.20 | | | \$141,013 | |
| Sum of College (Engineering, College of) | | Award Count: 131.51 | | | \$9,273,625 | |

Health & Human Services, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|-------------------------------------|------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Occupational Therapy Program | | | | | | |
| N-127788-01 | Project Prepare | No | \$201,252 | \$5,316 | \$206,568 | \$206,568 |
| <i>10/1/19 to 9/30/20</i> | <i>U.S. Department of Education</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Metz, Alexia E. | Occupational Therapy Program | | | 100 | |
| Sum of Department (Occupational Therapy Program) | | Award Count: 1.00 | | | \$206,568 | |

School of Exercise Rehab Sciences

| | | | | | | |
|---------------------------|---|-----------------------------------|----------------|------------|-----------------|----------------|
| N-127835-01 | Influence of Sensory System Constraints on Brain Activity During Postural Control Task Performance | No | \$1,658 | \$0 | \$1,658 | \$1,658 |
| <i>9/1/19 to 12/31/20</i> | <i>Ohio Physical Therapy Association</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Norte, Grant Edward | School of Exercise Rehab Sciences | | | 100 | |

Health & Human Services, College of

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| | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|-----------------------------------|--------------|--------------------|----------------------|--------------------|--------------------------|
| School of Exercise Rehab Sciences | | | | | | | |
| N-127871-01 | Influence of Sensory System Constraints on Electrocortical Activity During Postural Control Task Performance | | No | \$348 | \$0 | \$348 | \$348 |
| <i>8/12/19 to 8/11/20</i> | <i>Ohio Athletic Trainers' Association</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Norte, Grant Edward | School of Exercise Rehab Sciences | | | 100 | | |
| N-127874-01 | Relationship Between Hamstrings Function and Co-Activation at the Knee During Functional Tasks | | No | \$250 | \$0 | \$250 | \$250 |
| <i>9/1/19 to 8/31/20</i> | <i>Ohio Athletic Trainers' Association</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Norte, Grant Edward | School of Exercise Rehab Sciences | | | 100 | | |
| N-127923-01 | Does a 4-week Nordic Hamstrings Exercise Protocol Influence Hamstrings Muscle Volumes in Patients after ACL | | No | \$6,000 | \$0 | \$6,000 | \$6,000 |
| <i>10/1/19 to 12/31/20</i> | <i>Great Lakes Athletic Trainers' Association</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Norte, Grant Edward | School of Exercise Rehab Sciences | | | 100 | | |
| Sum of Department (School of Exercise Rehab Sciences) Award Count: 4.00 | | | | | | | \$8,256 |
| School of Intervention & Wellness | | | | | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | | No | \$114,325 | \$9,147 | \$123,472 | \$12,347 |
| <i>9/30/19 to 9/29/20</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 (School of Intervention & Wellness) Award Count: 0.10 | | | | | | | \$12,347 |
| School of Population Health | | | | | | | |
| C-101313-14 | NIOSH Training Grant Project: Industrial Hygiene-UniversityToledo | | No | \$70,683 | \$1,268 | \$71,951 | \$71,951 |
| <i>7/1/19 to 6/30/20</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 | | | 100 | | |
| Co-I | Akbar-Khanzadeh, Farhang | School of Population Health | | | 0 | | |

Health & Human Services, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|-----------------------------------|--------------------|----------------------|--------------------|--------------------------|
| School of Population Health | | | | | | |
| C-124040-04 | Health Promotion Coach Agreement | No | \$98,567 | \$9,857 | \$108,424 | \$108,424 |
| <i>6/1/20 to 5/31/21 Board of County (Lucas) Commissioners</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Boardley, Debra J. | School of Population Health | 100 | | | |
| C-126524-04 | Increasing Access of Trauma-Informed Care by CPS-Involved Youth and Families | No | \$30,189 | \$9,811 | \$40,000 | \$40,000 |
| <i>9/30/19 to 9/29/20 Substance Abuse and Mental Health Services Administration through ProMedica Health System</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Dake, Joseph | School of Population Health | 100 | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | No | \$114,325 | \$9,147 | \$123,472 | \$24,694 |
| <i>9/30/19 to 9/29/20 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 | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | No | \$746,823 | \$74,681 | \$821,504 | |
| <i>7/3/19 to 6/30/20 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 | Cameron, Brent D. | Bioengineering, Department of | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | |
| Co-I | Foss, Matthew J. | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | 50 | | | |
| Co-I | Singh, Shipra | School of Population Health | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | |

Health & Human Services, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| School of Population Health | | | | | | |
| N-128090-01 | How much is too much?: Assessing the microcystin inhalation risk to shoreline populations | No | \$102,476 | \$0 | \$102,476 | \$71,733 |
| <i>1/1/20 to 6/30/21</i> | | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Ames, April L. | School of Population Health | | | 30 | |
| Co-I | Dwyer, Daryl | Environmental Sciences, Department of | | | 15 | |
| Co-I | Saltzman, Barbara | School of Population Health | | | 20 | |
| Co-I | Sigler, William | Environmental Sciences, Department of | | | 15 | |
| Co-I | Valigosky, Michael | School of Population Health | | | 20 | |
| Sum of Department (School of Population Health) Award Count: 3.90 | | | | | | \$316,803 |
| School of Social Justice | | | | | | |
| C-109685-09 | Child Welfare Workforce Professional Education Program | No | \$230,000 | \$16,500 | \$246,500 | \$246,500 |
| <i>7/1/19 to 6/30/21</i> | | <i>Administration for Children and Families through Ohio Department of Jobs and Family Services</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Prior, Michael | School of Social Justice | | | 100 | |
| C-124919-07 | Healthy Start Initiative: Eliminating Racial/Ethnic Disparities | No | \$44,545 | \$4,455 | \$49,000 | \$49,000 |
| <i>4/1/20 to 3/31/21</i> | | <i>Health Resources & Services Administration through Lucas County Regional Health District</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Williamson, Celia | School of Social Justice | | | 100 | |
| C-127084-02 | Infant Vitality Community Intensive Pilot Project #04860041IV0118 | No | \$27,273 | \$2,727 | \$30,000 | \$30,000 |
| <i>7/1/19 to 6/30/20</i> | | <i>Hospital Council of Northwest Ohio</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Williamson, Celia | School of Social Justice | | | 100 | |
| Co-I | Petra, Megan Meta | School of Social Justice | | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | No | \$114,325 | \$9,147 | \$123,472 | \$12,347 |
| <i>9/30/19 to 9/29/20</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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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|---------------------------|---------------------------|----------------------|--------------------|--------------------------|
| School of Social Justice | | | | | | |
| N-127832-01 | Implementation of canine-assisted forensic interviews with children | No | \$45,721 | \$4,572 | \$50,293 | \$7,544 |
| <i>11/1/19 to 4/30/21 Human-Animal Bond Research Institute (HABRI)</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Newton, Kamala London | Psychology, Department of | 85 | | | |
| Co-I | Hoy-Gerlach, Janet Marie | School of Social Justice | 15 | | | |
| N-128034-01 | Focus on Runaways | No | \$65,390 | \$0 | \$65,390 | \$65,390 |
| <i>2/1/20 to 1/31/21 Ohio Office of Criminal Justice Services</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Williamson, Celia | School of Social Justice | 100 | | | |
| N-128487-01 | FOCUS on Runaways | No | \$29,477 | \$14,754 | \$44,231 | \$44,231 |
| <i>2/1/20 to 3/30/26 Federal Transit Administration through Toledo Area Regional Transit Authority</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Williamson, Celia | School of Social Justice | 100 | | | |
| Stdnt Schol | Guerrero, Jenna | | | | | |
| R-109685-08-101 | Child Welfare Workforce Professional Education Program | No | \$115,000 | \$8,250 | \$123,250 | \$123,250 |
| <i>7/1/18 to 6/30/19 Administration for Children and Families through Ohio Department of Jobs and Family Services</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Prior, Michael | School of Social Justice | 100 | | | |
| R-125544-05 | Center for Student Advocacy & Wellness | No | \$208,700 | \$58,526 | \$267,226 | \$267,226 |
| <i>10/1/19 to 9/30/20 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 | | | |
| R-127626-02 | NWO Pathways HUB | No | \$13,043 | \$1,957 | \$15,000 | \$15,000 |
| <i>1/1/20 to 12/31/20 Ohio Commission on Minority Health through Hospital Council of Northwest Ohio</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Williamson, Celia | School of Social Justice | 100 | | | |
| Sum of Department (School of Social Justice) | | | Award Count: 8.25 | | \$860,488 | |
| Sum of College (Health & Human Services, College of) | | | Award Count: 17.25 | | \$1,404,462 | |

Honors College

This report does **not** show all projects that were active in FY20. 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> |
|-----------------------|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Honors Program | | | | | | |

Honors College

This report does **not** show all projects that were active in FY20. 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> |
|---|---|--|--|--|--------------|--------------------|--------------------------|--------------------|------------------------------|
| Honors Program | | | | | | | | | |
| N-127946-01 | Choose Ohio First: IMProving Retention and Student Success in Computing (COFIMPRESS-C) | | | | No | \$50,059 | \$0 | \$50,059 | \$10,012 |
| <i>4/1/20 to 3/31/21</i> | <i>Ohio Department of Higher Education</i> | | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | | <u>% Credit</u> | | |
| PI/PD | Alaraje, Abdunnasser | Engineering Technology, Department of | | | | | 50 | | |
| Co-I | Appel, Heidi M. | Honors Program | | | | | 20 | | |
| Co-I | Serpen, Gursel | Electrical Engineering and Computer Science, Department of | | | | | 30 | | |
| Sum of Department (Honors Program) | | | | | | | Award Count: 0.20 | | \$10,012 |
| Sum of College (Honors College) | | | | | | | Award Count: 0.20 | | \$10,012 |

Human Resources

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

| | | | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|---|-----------------------------------|--|--|--------------|--------------------|--------------------------|--------------------|------------------------------|
| Human Resources | | | | | | | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | | | | No | \$114,325 | \$9,147 | \$123,472 | \$12,347 |
| <i>9/30/19 to 9/29/20</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 (Human Resources) | | | | | | | Award Count: 0.10 | | \$12,347 |
| Sum of College (Human Resources) | | | | | | | Award Count: 0.10 | | \$12,347 |

Law, College of

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

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

Law, College of

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|--|-------------------|--------------------|--------------------------|--------------------|--------------------------|
| Law, College of | | | | | | |
| N-127756-01 | Low Income Taxpayer Clinic | No | \$31,208 | \$10,143 | \$41,351 | \$41,351 |
| <i>1/1/20 to 12/31/20</i> | <i>U.S. Department of the Treasury</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Bourell, Christopher L. | Law, College of | | 100 | | |
| Sum of Department (Law, College of) | | | | Award Count: 1.00 | | \$41,351 |
| Sum of College (Law, College of) | | | | Award Count: 1.00 | | \$41,351 |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|---|------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Advanced Clinical Simulation | | | | | | |
| N-127970-01 | In vitro and in vivo testing of the Beat Analytics System of continuous patient monitoring | No | \$42,008 | \$17,124 | \$59,132 | |
| <i>1/3/20 to 1/2/21</i> | <i>Darroch Medical Solutions</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Topp, Robert Vincent | Nursing, College of | | 100 | | |
| Co-I | Burks, Nathan Allen | Advanced Clinical Simulation | | | | |
| Co-I | Chen, Yixing | Advanced Clinical Simulation | | | | |
| Sum of Department (Advanced Clinical Simulation) | | | | Award Count: | | |

AHEC

| | | | | | | |
|-----------------------------------|--|-------------------|--------------------|--------------------------|--------------------|--------------------|
| C-010336-26 | AHEC Point of Service Maintenance and Enhancement | No | \$1,217,821 | \$5,639 | \$1,223,460 | \$1,223,460 |
| <i>9/1/19 to 8/31/20</i> | <i>Health Resources & Services Administration</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Combs, Courtney Kay | AHEC | | 100 | | |
| Dir Ctr/Inst | Miller, Patsy J. | AHEC | | | | |
| N-128481-01 | Area Health Education Centers Program COVID | No | \$95,455 | \$0 | \$95,455 | \$95,455 |
| <i>5/1/20 to 4/30/21</i> | <i>Health Resources & Services Administration</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Combs, Courtney Kay | AHEC | | 100 | | |
| Sum of Department (AHEC) | | | | Award Count: 2.00 | | \$1,318,915 |

Anesthesiology, Department of

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|---|---|--|-------------|-----------------|-------------|-------------------|
| Anesthesiology, Department of | | | | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | No | \$746,823 | \$74,681 | \$821,504 | \$410,752 |
| 7/3/19 to 6/30/20 | 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 | Cameron, Brent D. | Bioengineering, Department of | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | |
| Co-I | Foss, Matthew J. | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | | 50 | | |
| Co-I | Singh, Shipra | School of Population Health | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | |
| Sum of Department (Anesthesiology, Department of) Award Count: 0.50 | | | | | | \$410,752 |
| Cancer Biology, Department of | | | | | | |
| C-126620-02 | Role of reduced nitric oxide in ECM stiffening for breast cancer initiation | No | \$165,000 | \$33,000 | \$198,000 | \$198,000 |
| 1/1/20 to 12/31/20 | American Cancer Society - National | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Furuta, Saori | Cancer Biology, Department of | | 100 | | |
| C-127013-02 | Characterization of miRNA as negative regulator of the metastasis suppressor gene RKIP and target for anti-metastasis therapy in RKIP-deficient breast cancers | No | \$70,000 | \$28,000 | \$98,000 | \$98,000 |
| 8/1/19 to 7/31/20 | Fully Honest Corporation Ltd. | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Yeung, Kam C. | Cancer Biology, Department of | | 100 | | |
| N-127072-01 | Nuclear Receptor Chaperones in Signaling & Metabolism | No | \$250,000 | \$133,750 | \$383,750 | |
| 7/2/19 to 6/30/20 | National Institute of Diabetes, Digestive & Kidney Diseases | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sanchez, Edwin | Physiology & Pharmacology, Department of | | 100 | | |
| Co-I | Hinds, Terry D. | Physiology & Pharmacology, Department of | | | | |
| Co-I | Lecka-Czernik, Beata | Orthopedics | | | | |
| Co-I | Smas, Cynthia M. | Cancer Biology, Department of | | | | |

Medicine and Life Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Cancer Biology, Department of | | | | | | |
| N-127138-01-A1 | Understanding and targeting MELK overexpression in breast cancer cells | No | \$312,725 | \$155,530 | \$468,255 | \$23,413 |
| <i>12/1/19 to 11/30/22 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 | 95 | | | |
| Co-I | Furuta, Saori | Cancer Biology, Department of | 5 | | | |
| N-127674-01 | APC regulation of doxorubicin resistance in breast cancer | No | \$10,910 | \$2,182 | \$13,092 | \$13,092 |
| <i>7/1/19 to 6/30/20 American Cancer Society - National through Indiana University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zhang, Jian-Ting | Cancer Biology, Department of | 100 | | | |
| N-127728-01 | Normalizing arginine metabolism with sepiaptein for immunostimulatory-shift of HER2+ breast cancer | No | \$228,750 | \$123,907 | \$352,657 | \$335,024 |
| <i>3/4/20 to 2/28/21 National Cancer Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Furuta, Saori | Cancer Biology, Department of | 95 | | | |
| Co-I | Asea, Alexzander A. | Medicine, Department of | 5 | | | |
| Statistician | Khuder, Sadik | Medicine, Department of | | | | |
| N-127867-01 | Inhibiting fatty acid synthase to improve efficacy of neoadjuvant chemotherapy | No | \$10,000 | \$0 | \$10,000 | \$10,000 |
| <i>10/1/19 to 12/31/20 Breast Cancer Research Foundation through Indiana University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zhang, Jian-Ting | Cancer Biology, Department of | 100 | | | |
| N-127879-01 | MicroRNA Biomarkers for Oropharyngeal Cancer | No | \$6,792 | \$2,208 | \$9,000 | \$9,000 |
| <i>8/1/19 to 2/29/20 National Institutes of Health through Washington University in St. Louis</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Yang, Qin | Cancer Biology, Department of | 100 | | | |
| T-127458-02 | Molecular targeting the translational control axis in Wnt/β-catenin signaling pathway | No | \$101,569 | \$54,339 | \$155,908 | \$155,908 |
| <i>7/17/19 to 7/31/23 National Cancer Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zhang, Jian-Ting | Cancer Biology, Department of | 100 | | | |
| Co-I | Liu, JingYuan | Cancer Biology, Department of | | | | |
| T-127458-03 | Molecular targeting the translational control axis in Wnt/β-catenin signaling pathway | No | \$228,750 | \$122,572 | \$351,322 | \$351,322 |
| <i>8/1/19 to 7/31/20 National Cancer Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zhang, Jian-Ting | Cancer Biology, Department of | 100 | | | |
| Co-I | Liu, JingYuan | Cancer Biology, Department of | | | | |

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> |
|--|--|--|--------------------|----------------------|--------------------|--------------------------|
| Cancer Biology, Department of | | | | | | |
| T-127667-01 | Effective targeting surviving dimerization interface with small molecule inhibitors | No | \$170,503 | \$91,219 | \$261,722 | \$104,689 |
| <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 | | | |
| T-127796-03 | ATR Isomerization in Cellular Responses to UV Damage of DNA | No | \$221,887 | \$118,894 | \$340,781 | \$340,781 |
| <i>8/1/19 to 7/31/20 National Cancer Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zou, Yue | Cancer Biology, Department of | 100 | | | |
| Co-I | Liu, JingYuan | Cancer Biology, Department of | | | | |
| Sum of Department (Cancer Biology, Department of) Award Count: 9.40 | | | | | | \$1,639,229 |
| Family Medicine, Department of | | | | | | |
| N-126701-01 | Choose Ohio First: PCMH | Yes | \$71,225 | \$0 | \$71,225 | \$17,806 |
| <i>7/1/17 to 6/30/18 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Schaefer, Paul L. | Resid Prgm-Family Practice | 75 | | | |
| Co-PI | Hickey, Daniel | Family Medicine, Department of | 25 | | | |
| Stdnt Schol | Ingram, Evan Miles | | | | | |
| Stdnt Schol | Miniato, Mohammed A. | | | | | |
| Stdnt Schol | Najjar, Amira Amanda | | | | | |
| Stdnt Schol | Saleh, Hanan Ahmed | | | | | |
| Stdnt Schol | Sims, Ariel B. | | | | | |
| Stdnt Schol | Soni, Jalpa Shivam | | | | | |
| Sum of Department (Family Medicine, Department of) Award Count: 0.25 | | | | | | \$17,806 |
| Med Microbiology & Immunology, Department of | | | | | | |
| C-120298-11 | Choose Ohio First Scholarship Program - Bioinformatics Program | No | \$84,732 | \$0 | \$84,732 | \$84,732 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Blumenthal, Robert | Med Microbiology & Immunology, Department of | 100 | | | |
| C-124969-05 | Intravital assessment of B. burgdorferi immune clearance in skin | No | \$260,154 | \$116,354 | \$376,508 | \$376,508 |
| <i>6/1/20 to 5/31/21 National Institute of Allergy & 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 | | | |

Medicine and Life Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|--|--------------------|----------------------|--------------------|--------------------------|
| Med Microbiology & Immunology, Department of | | | | | | |
| C-125914-02 | How Non-Transcriptional IRF3 Prevents ALD | No | \$118,750 | \$63,531 | \$182,281 | \$173,167 |
| <i>9/1/19 to 8/31/21</i> | | <i>National Institute on Alcohol Abuse and Alcoholism</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. | Neurosciences, Department of | 5 | | | |
| C-126083-02 | The role of platelets in oral candidiasis | No | \$240,971 | \$130,123 | \$371,094 | \$185,547 |
| <i>1/1/20 to 12/31/20</i> | | <i>National Institute of Dental and Craniofacial Research</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Conti, Heather Raquel | Biological Sciences, Department of | 50 | | | |
| Co-I | Worth, Randall G. | Med Microbiology & Immunology, Department of | 50 | | | |
| C-126083-02-I01 | The role of platelets in oral candidiasis | No | \$26,863 | \$14,371 | \$41,234 | \$20,617 |
| <i>1/1/20 to 12/31/20</i> | | <i>National Institute of Dental and Craniofacial Research</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Conti, Heather Raquel | Biological Sciences, Department of | 50 | | | |
| Co-I | Worth, Randall G. | Med Microbiology & Immunology, Department of | 50 | | | |
| C-127107-02 | Virulence inducing signals of Vibrio cholerae | No | \$125,000 | \$67,501 | \$192,501 | \$192,501 |
| <i>1/1/20 to 12/31/20</i> | | <i>National Institute of Allergy & Infectious Diseases</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Matson, Jyl S. | Med Microbiology & Immunology, Department of | 100 | | | |
| N-126987-01-A1 | Transcriptional and non-transcriptional functions of IRF3 in ALD | No | \$25,488 | \$13,636 | \$39,124 | \$39,124 |
| <i>7/5/19 to 6/30/20</i> | | <i>National Institutes of Health through Cleveland Clinic</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Chattopadhyay, Saurabh | Med Microbiology & Immunology, Department of | 100 | | | |
| N-127415-01 | 26th Annual Midwest Microbial Pathogenesis Conference (MMPC) | No | \$8,000 | \$0 | \$8,000 | \$8,000 |
| <i>7/5/19 to 6/30/20</i> | | <i>National Institute of Allergy & Infectious Diseases</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Huntley, Jason F. | Med Microbiology & Immunology, Department of | 50 | | | |
| PI/PD | Wooten, Ronald Mark | Med Microbiology & Immunology, Department of | 50 | | | |
| N-127747-01 | AAI Fellowship | No | \$24,816 | \$0 | \$24,816 | \$24,816 |
| <i>9/1/19 to 8/31/20</i> | | <i>American Association of Immunology</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Ferreira, Viviana P. | Med Microbiology & Immunology, Department of | 100 | | | |

Medicine and Life Sciences, College of

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| | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|---|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Med Microbiology & Immunology, Department of | | | | | | | |
| N-127752-01 | Machine Learning and Network Science for Predicting Kidney Transplant Survival | | No | \$183,561 | \$91,016 | \$274,577 | \$68,644 |
| <i>8/1/19 to 7/31/20 National Institutes of Health</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Xu, Kevin Shuai | Electrical Engineering and Computer Science, Department of | | | | 65 | |
| Co-I | Chen, Tian | Mathematics & Statistics, Department of | | | | 10 | |
| Co-I | Stepkowski, Stanislaw M. | Med Microbiology & Immunology, Department of | | | | 25 | |
| Stdnt Schol | Rizvi, Nabah | Electrical Engineering and Computer Science, Department of | | | | | |
| N-127936-01 | Understanding the proviral role for TRAF6 interaction with the viral protease in flavivirus replication and pathogenesis | | No | \$250,000 | \$135,833 | \$385,833 | \$385,833 |
| <i>5/15/20 to 4/30/21 National Institute of Allergy & Infectious Diseases</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Taylor, Roger Travis | Med Microbiology & Immunology, Department of | | | | 100 | |
| Co-I | Chattopadhyay, Saurabh | | | | | | |
| N-128110-01 | Characterization of Apellis complement inhibitors | | No | \$99,520 | \$54,238 | \$153,758 | \$153,758 |
| <i>1/1/20 to 12/31/21 Apellis Pharmaceuticals</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Ferreira, Viviana P. | Med Microbiology & Immunology, Department of | | | | 100 | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | | No | \$192,789 | \$0 | \$192,789 | \$9,639 |
| <i>1/1/20 to 6/30/21 Ohio Department of Higher Education through Ohio State University</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | | | 35 | |
| Co-I | Gohara, Amira | Pathology, Department of | | | | 5 | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | | | 5 | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | | | 5 | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | | | | 5 | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | | | 35 | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | | | 5 | |
| Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | | | | 5 | |
| N-128157-01 | The role of foreshore sands in human exposure to microcystin | | No | \$100,274 | \$0 | \$100,274 | \$30,082 |
| <i>1/1/20 to 6/30/21 Ohio Department of Higher Education through Ohio State University</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Sigler, William | Environmental Sciences, Department of | | | | 70 | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | | | 30 | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|--|--|---------------------------|--------------------|----------------------|--------------------|--------------------------|
| Med Microbiology & Immunology, Department of | | | | | | | |
| T-128316-02 | Dissecting catalytic and regulatory functions of nonsegmented negative strand RNA viral polymerases | | No | \$225,000 | \$122,437 | \$347,437 | \$347,437 |
| <i>6/1/20 to 5/31/21</i> | <i>National Institute of Allergy & Infectious Diseases</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Ogino, Tomoaki | Med Microbiology & Immunology, Department of | | | 100 | | |
| T-128317-05 | Anti-viral actions of interferon | | No | \$2,169 | \$1,182 | \$3,351 | \$3,351 |
| <i>4/1/20 to 6/30/20</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 | Ogino, Tomoaki | Med Microbiology & Immunology, Department of | | | 100 | | |
| Sum of Department (Med Microbiology & Immunology, Dep) | | | Award Count: 12.55 | | | | \$2,103,757 |
| Medicine, Department of | | | | | | | |
| C-100043-20 | Ryan White Title IV Women, Infants, Children, Youth And Affected Family Members AIDS Healthcare | | No | \$415,287 | \$46,142 | \$461,429 | \$461,429 |
| <i>8/1/19 to 7/31/22</i> | <i>U.S. Department of Health and Human Services</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Duggan, Joan | Medicine, Department of | | | 100 | | |
| C-100389-19 | Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program | | No | \$107,382 | \$10,738 | \$118,120 | \$118,120 |
| <i>4/1/20 to 3/31/21</i> | <i>HIV/AIDS Bureau</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Duggan, Joan | Medicine, Department of | | | 100 | | |
| C-100389-19-101 | Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program | | No | \$322,144 | \$32,214 | \$354,358 | \$354,358 |
| <i>4/1/20 to 3/31/21</i> | <i>HIV/AIDS Bureau</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Duggan, Joan | Medicine, Department of | | | 100 | | |
| C-124630-06 | 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 | | No | \$6,451 | \$2,064 | \$8,515 | \$8,515 |
| <i>7/1/19 to 6/30/20</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 | Khouri, Samer J. | Medicine, Department of | | | | | |

Medicine and Life Sciences, College of

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|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| C-125658-02 | A5332: Randomized Trial to Prevent Vascular Events in HIV - REPRIEVE | Yes | \$6,574 | \$1,709 | \$8,283 | \$8,283 |
| 5/1/18 to 4/30/21 <i>National Heart, Lung & Blood Institute through Massachusetts General Hospital</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Duggan, Joan | Medicine, Department of | 100 | | | |
| Co-I | Sheikh, Mujeeb Abdul | Medicine, Department of | | | | |
| C-125732-04 | Counter Regulatory Mechanisms of Cardiotonic Steroids in Cardio-Renal Syndrome | No | \$250,000 | \$128,750 | \$378,750 | \$340,875 |
| 4/1/20 to 3/31/21 <i>National Heart, Lung & Blood Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Kennedy, David Joseph | Medicine, Department of | 90 | | | |
| Co-I | Haller, Steven T. | Medicine, Department of | | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | | |
| Co-I | Zhu, Jianglong | Chemistry and Biochemistry, Department of | 5 | | | |
| C-126102-02 | MicroRNA-based therapy for rheumatoid arthritis | No | \$3,305 | \$1,768 | \$5,073 | \$5,073 |
| 7/1/19 to 6/30/20 <i>National Institutes of Health through Washington State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Khuder, Sadik | Medicine, Department of | 100 | | | |
| C-126227-03 | 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)" | No | \$2,545 | \$815 | \$3,360 | \$3,360 |
| 7/1/19 to 6/30/20 <i>Boehringer Ingelheim Pharmaceuticals, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Khouri, 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 | | | |
| C-126685-02 | Role of histone Methyltransferase EZH3 in Acute and Chronic Renal Injury | No | \$6,157 | \$3,294 | \$9,451 | \$9,451 |
| 8/1/19 to 7/31/20 <i>National Institutes of Health through Rhode Island Hospital</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Dworkin, Lance | Medicine, Department of | 100 | | | |
| C-126765-02 | Paraoxonase-1 regulation of renal inflammation in Chronic Kidney Disease | No | \$5,000 | \$0 | \$5,000 | \$5,000 |
| 7/1/19 to 6/30/20 <i>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 | | | |

Medicine and Life Sciences, College of

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|--|--|-------------------------|--------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| C-126847-05 | The Melanocortineric pathway in glomerular disease | No | \$227,790 | \$123,955 | \$351,745 | \$351,745 |
| <i>6/1/20 to 5/31/21 National Institute of Diabetes, Digestive & Kidney Diseases</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gong, Rujun | Medicine, Department of | 98 | | | |
| Co-I | Dworkin, Lance | Medicine, Department of | 2 | | | |
| C-126971-03 | 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 ("Cypress 1" J1L-AM-JZGC) | No | \$3,346 | \$1,004 | \$4,350 | \$4,350 |
| <i>7/1/19 to 6/30/20 Eli Lilly and Company</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 | | | | |
| C-127093-02 | An Open-label Extension of BPS-314d-MR-PAH-302 in Pulmonary Arterial Hypertension Patients | No | \$7,049 | \$2,256 | \$9,305 | \$9,305 |
| <i>7/1/19 to 6/30/20 Lung Biotechnology Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Moukarbel, George Victor | Medicine, Department of | 80 | | | |
| Co-I | Garris, Theresa | Medicine, Department of | 10 | | | |
| Co-I | Khouri, Samer J. | Medicine, Department of | 10 | | | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

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|---|--|-------------------------------|------------------|-----------------|------------------|-------------------|
| Medicine, Department of | | | | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | No | \$746,823 | \$74,681 | \$821,504 | \$410,752 |
| <i>7/3/19 to 6/30/20 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 | Cameron, Brent D. | Bioengineering, Department of | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | |
| Co-I | Foss, Matthew J. | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | | 50 | | |
| Co-I | Singh, Shipra | School of Population Health | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | |
| C-127205-02 | 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 | No | \$3,030 | \$970 | \$4,000 | \$4,000 |
| <i>7/1/19 to 6/30/20 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 | | | | |
| C-127257-02 | 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 | No | \$2,841 | \$909 | \$3,750 | \$3,750 |
| <i>7/1/19 to 6/30/20 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 | Vergheese, Cherian | Medicine, Department of | | | | |
| Dir Ctr/Inst | Nemunaitis, Nadine | Medicine, Department of | | | | |

Medicine and Life Sciences, College of

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|--------------------------------|--|----------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| C-127352-02-W1 | 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 | No | \$13,208 | \$3,962 | \$17,170 | \$17,170 |
| <i>7/1/19 to 6/30/20</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 | Verghese, Cherian | Medicine, Department of | | | | |
| C-127611-02 | MINHC project | No | \$18,518 | \$1,482 | \$20,000 | \$10,000 |
| <i>9/1/19 to 8/31/20</i> | <i>Health Resources & Services Administration through University of Illinois at Chicago</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sahloff, Eric G. | Pharmacy Practice, Department of | | 50 | | |
| Co-I | Duggan, Joan | Medicine, Department of | | 50 | | |
| C-127826-02 | Validation of Biomarkers of Risk for the Early Detection of Lung Cancer (EDRN) | No | \$24,755 | \$13,244 | \$37,999 | \$37,999 |
| <i>4/1/20 to 3/31/21</i> | <i>National Cancer Institute through Fred Hutchinson Cancer Research Center</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Willey, James | Medicine, Department of | | 100 | | |
| N-101551-01 | A Randomized, Open-label, Controlled, Phase II Trial of Combination Chemotherapy with or without Panitumumab as First-line Treatment of Subjects with Metastatic or Recurrent Head and Neck Cancer, and Cross-over Second-line Panitumumab Monotherapy of Subjects who Fail the Combination | Yes | \$(7,037) | \$(1,759) | \$(8,796) | |
| <i>4/9/07 to 4/8/11</i> | <i>Amgen, Inc.</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Chaudhuri, Prabir | Surgery, Department of | | 100 | | |
| Co-I | Chaudhary, Rekha | Medicine, Department of | | | | |
| Co-I | Mohamed, Iman E. | Medicine, Department of | | | | |
| Co-I | Veltri, Salvatore | Medicine, Department of | | | | |

Medicine and Life Sciences, College of

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|---|---|---------------------|-------------------------|-----------------|-------------|-------------------|
| Medicine, Department of | | | | | | |
| N-127408-01-A1 | Sequencing Familial Lung Cancer | No | \$24,288 | \$12,993 | \$37,281 | \$37,281 |
| <i>1/22/20 to 12/31/20 National Institutes of Health through Baylor College of Medicine</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Wiley, James | Medicine, Department of | 75 | | |
| | Co-I | Gaba, Colette R. | Medicine, Department of | 25 | | |
| N-127444-01 | A Phase 1, Open-Label, Dose-Escalation and Expansion, Safety and Tolerability Study of INCB062079 in Subjects With Advanced Hepatocellular Carcinoma and Other Malignancies | Yes | \$14,380 | \$0 | \$14,380 | \$14,380 |
| <i>6/26/19 to 6/30/20 Incyte</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Edelman, Gerald | Medicine, Department of | 100 | | |
| | Dir Ctr/Inst | Nemunaitis, Nadine | Medicine, Department of | | | |
| N-127521-01 | MEDTAPP Diabetes QI/Consortium | No | \$36,244 | \$3,624 | \$39,868 | \$39,868 |
| <i>7/3/19 to 6/30/20 Centers for Medicare and Medicaid Services through Case Western Reserve University/Case Medical Center</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Jaume, Juan Carlos | Medicine, Department of | 100 | | |
| N-127545-01 | Phase 1 Study of KN026 in HER2 Expressing Breast Cancer, Gastric/Gastroesophageal Junction Cancer and other Locally Advanced/Metastatic Solid Tumors | Yes | \$235,551 | \$0 | \$235,551 | \$235,551 |
| <i>4/25/19 to 6/30/20 Jiangsu Alphamab Biopharmaceuticals Co., Ltd</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Edelman, Gerald | Medicine, Department of | 100 | | |
| N-127574-01 | A Phase 1/2 Study of In Situ Vaccination with Tremelimumab and IV Durvalumab (MEDI4736) Plus the Toll-like Receptor Agonist PolyICLC in Subjects with Advanced, Measurable, Biopsy-accessible Cancers | Yes | \$74,908 | \$0 | \$74,908 | \$74,908 |
| <i>5/14/19 to 5/13/20 Ludwig Institute for Cancer Research</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Hamouda, Danae M. | Medicine, Department of | 100 | | |
| | Dir Ctr/Inst | Nemunaitis, Nadine | Medicine, Department of | | | |
| N-127598-01 | A Randomized, Controlled Phase 3 Study of Cabozantinib (XL184) in Combination with Atezolizumab versus Sorafenib in Subjects with Advanced Hepatocellular Carcinoma who have not received Previous Systemic Anticancer Therapy | No | \$17,822 | \$5,703 | \$23,525 | \$23,525 |
| <i>6/4/19 to 6/3/20 Exelixis</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Nemunaitis, John J. | Medicine, Department of | 100 | | |

Medicine and Life Sciences, College of

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|--------------------------------|---|---|--------------|--------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | | |
| N-127617-01 | High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease | | No | \$37,834 | \$20,240 | \$58,074 | \$55,170 |
| <i>2/1/20 to 1/31/21</i> | <i>U.S. Department of Commerce through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | | 48 | | |
| PI/PD | Kennedy, David Joseph | Medicine, Department of | | | 47 | | |
| Co-I | Blomquist, Thomas M. | Pathology, Department of | | | | | |
| Co-I | Gohara, Amira | Pathology, Department of | | | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | | 5 | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | | | | |
| N-127689-01-A1 | Evaluation of dipeptidyl peptidase-IV inhibitor use in hospitalized patients with diabetes | | No | \$2,500 | \$0 | \$2,500 | |
| <i>11/1/19 to 10/31/20</i> | <i>American College of Clinical Pharmacy</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Petite, Sarah E. | Pharmacy Practice, Department of | | | 100 | | |
| Statistician | Khuder, Sadik | Medicine, Department of | | | | | |
| N-127714-01 | A Phase 1/2, Open-Label Study of ADXS-503 Alone and in Combination with Pembrolizumab in Subjects with Metastatic Squamous or Non-Squamous Non-Small Cell Lung Cancer | | No | \$15,958 | \$5,107 | \$21,065 | \$21,065 |
| <i>10/1/19 to 6/30/20</i> | <i>Advaxis Immunotherapies</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Nemunaitis, John J. | Medicine, Department of | | | 100 | | |
| N-127728-01 | Normalizing arginine metabolism with sepiaptein for immunostimulatory-shift of HER2+ breast cancer | | No | \$228,750 | \$123,907 | \$352,657 | \$17,633 |
| <i>3/4/20 to 2/28/21</i> | <i>National Cancer Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Furuta, Saori | Cancer Biology, Department of | | | 95 | | |
| Co-I | Asea, Alexzander A. | Medicine, Department of | | | 5 | | |
| Statistician | Khuder, Sadik | Medicine, Department of | | | | | |
| N-127737-01 | A Phase 1/2, Open-Label, Multi-Center, First-in-Human Study of the Safety, Tolerability, Pharmacokinetics, and Anti-Tumor Activity of TPX-0005 in Patients with Advanced Solid Tumors Harboring ALK, ROS1, or NTRK1-3 Rearrangements (TRIDENT-1) | | No | \$14,489 | \$4,636 | \$19,125 | \$19,125 |
| <i>6/13/19 to 6/30/20</i> | <i>Turning Point Therapeutics, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Nemunaitis, John J. | Medicine, Department of | | | 100 | | |

Medicine and Life Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|--------------------------|-------------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| N-127744-01 | The Boston University-UCLA Lung Cancer Biomarker Development Lab | No | \$15,000 | \$8,025 | \$23,025 | \$23,025 |
| <i>8/6/19 to 8/31/19 National Cancer Institute through Boston University</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Willey, James | Medicine, Department of | 100 | | |
| N-127768-01 | An open-label, multi-center, phase 1b/2 study to evaluate the safety and efficacy of copanlisib in combination with nivolumab in patients with advanced solid tumors | Yes | \$21,375 | \$0 | \$21,375 | \$21,375 |
| <i>7/24/19 to 6/30/20 Bayer HealthCare Pharmaceuticals</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Hamouda, Danae M. | Medicine, Department of | 100 | | |
| N-127770-01 | A Phase 3, Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel-group Study to Investigate the Efficacy and Safety of in Subjects with Acute Coronary Syndrome | Yes | \$14,000 | \$0 | \$14,000 | \$14,000 |
| <i>6/13/19 to 6/30/20 CSL Behring LLC</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Moukarbel, George Victor | Medicine, Department of | 100 | | |
| | Stdnt Schol | Burket, Mark | Medicine, Department of | | | |
| N-127772-01 | Visiting Students to PI lab | No | \$11,364 | \$3,636 | \$15,000 | \$15,000 |
| <i>7/1/19 to 10/1/19 House of Invention International</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Asea, Alexzander A. | Medicine, Department of | 100 | | |
| N-127812-01 | A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 3 Study Evaluating the Safety and Efficacy of Intravenous Iloprost in Subjects With Systemic Sclerosis Experiencing Symptomatic Digital Ischemic Episodes (AURORA Study) | Yes | \$92,959 | \$0 | \$92,959 | \$92,959 |
| <i>7/26/19 to 6/30/20 EICOS SCIENCES, INC.</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Kahaleh, M Bashar | Medicine, Department of | 100 | | |
| N-127826-01 | Validation of Biomarkers of Risk for the Early Detection of Lung Cancer (EDRN) | No | \$73,658 | \$39,407 | \$113,065 | \$113,065 |
| <i>4/1/19 to 3/31/21 National Cancer Institute through Fred Hutchinson Cancer Research Center</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Willey, James | Medicine, Department of | 100 | | |

Medicine and Life Sciences, College of

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|--------------------------------|--|---|--------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| N-127841-01-W1 | Clinical Lead QI | No | \$18,492 | \$1,849 | \$20,341 | \$20,341 |
| <i>7/3/19 to 6/30/20</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 | Ud Din, Shahab | Medicine, Department of | 100 | | | |
| N-127841-01-W2 | Clinical Lead QI | No | \$9,109 | \$910 | \$10,019 | \$10,019 |
| <i>7/3/19 to 6/30/20</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 | Ud Din, Shahab | Medicine, Department of | 100 | | | |
| N-127870-01 | A Phase 1-2 Dose-Escalation and Cohort-Expansion Study of Intravenous eFT226 in Subjects with Selected Advanced Solid Tumor Malignancies | Yes | \$112,701 | \$0 | \$112,701 | \$112,701 |
| <i>10/16/19 to 6/30/20</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 | | | | |
| PI/PD | Skeel, Roland | Medicine, Department of | 100 | | | |
| N-127940-01 | Evaluation of Burnout among Pharmacy Residents in the United States | No | \$4,630 | \$370 | \$5,000 | \$50 |
| <i>1/30/20 to 7/30/21</i> | | <i>ASHP Foundation</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gyori, Derek J. | Pharmacy Practice, Department of | 50 | | | |
| Co-I | Khuder, Sadik | Medicine, Department of | 1 | | | |
| Co-I | Murphy, Julie Anne Brousil | Pharmacy Practice, Department of | 49 | | | |
| N-128117-01 | Epigenetic Regulation Mediated Repression of Prostacyclin Receptor (IP) and Prostacyclin Synthase (PTGIS) in Scleroderma Vascular Smooth Muscle Cells and Microvascular Endothelial Cells | No | \$103,941 | \$56,648 | \$160,589 | \$160,589 |
| <i>4/3/20 to 4/2/22</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 | 28 | | | |
| Co-I | Wang, Yongqing | Medicine, Department of | 72 | | | |

Medicine and Life Sciences, College of

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|--------------------------------|---|--|-----------------|---------------|-------------|-------------------|
| Medicine, Department of | | | | | | |
| N-128152-01 | HABRI: Deep Phenotyping of Human Organ Biobank Specimens for Cyanotoxin Exposure in At- Risk Populations | No | \$217,897 | \$0 | \$217,897 | \$185,212 |
| <i>1/1/20 to 6/30/21</i> | | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | 35 | | | |
| Co-I | Gohara, Amira | Pathology, Department of | 5 | | | |
| Co-I | Hammersley, Jeffrey | Medicine, Department of | 5 | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | 35 | | | |
| Co-I | Malhotra, Deepak K. | Medicine, Department of | 5 | | | |
| Co-I | Mukundan, Deepa | Pediatrics, Department of | 5 | | | |
| Co-I | Willey, James | Medicine, Department of | 5 | | | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | No | \$192,789 | \$0 | \$192,789 | \$134,952 |
| <i>1/1/20 to 6/30/21</i> | | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | 35 | | | |
| Co-I | Gohara, Amira | Pathology, Department of | 5 | | | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | 5 | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | 5 | | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | 35 | | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | 5 | | | |
| Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | 5 | | | |
| N-128372-01 | TBD | No | \$10,000 | \$0 | \$10,000 | \$10,000 |
| <i>7/1/19 to 6/30/20</i> | | <i>Boston Scientific Corporation</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Nawras, Ali | Medicine, Department of | 100 | | | |
| N-128417-01 | Ryan White HIV/AIDS Program Part C EIS COVID-19 Response | No | \$96,364 | \$9,636 | \$106,000 | \$106,000 |
| <i>4/1/20 to 3/31/21</i> | | <i>Health Resources & Services Administration</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Duggan, Joan | Medicine, Department of | 100 | | | |
| N-128418-01 | Ryan White HIV/AIDS Program Part D WICY COVID-19 Response | No | \$30,795 | \$3,079 | \$33,874 | \$33,874 |
| <i>4/1/20 to 3/31/21</i> | | <i>Health Resources & Services Administration</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Duggan, Joan | Medicine, Department of | 100 | | | |

Medicine and Life Sciences, College of

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|--|---|-------------------------------|---------------------------|----------------------|--------------------|--------------------------|
| Medicine, Department of | | | | | | |
| R-101303-15 | Social Marketing Advertising CTR | No | \$27,000 | \$0 | \$27,000 | \$27,000 |
| <i>1/1/20 to 12/31/20</i> | <i>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 | | | |
| R-127064-02 | Cardi-OH | No | \$134,339 | \$13,434 | \$147,773 | \$147,773 |
| <i>7/3/19 to 6/30/20</i> | <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 | | | |
| T-127667-01 | Effective targeting surviving dimerization interface with small molecule inhibitors | No | \$170,503 | \$91,219 | \$261,722 | \$157,033 |
| <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 (Medicine, Department of) | | | Award Count: 44.06 | | \$4,087,009 | |
| Neurology, Department of | | | | | | |
| C-101471-03 | A Longitudinal Observational Follow-up of the PRECEPT Study Cohort (PostCEPT) | Yes | \$0 | \$0 | \$0 | \$0 |
| <i>1/1/07 to 12/31/07</i> | <i>National Institute of Neurological Disorders and Stroke through University of Rochester</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | 100 | | | |
| C-101471-04 | A Longitudinal Observational Follow-up of the PRECEPT Study Cohort (PostCEPT) | Yes | \$0 | \$0 | \$0 | \$0 |
| <i>1/1/08 to 12/31/08</i> | <i>National Institute of Neurological Disorders and Stroke through University of Rochester</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | 100 | | | |
| C-101471-05 | A Longitudinal Observational Follow-up of the PRECEPT Study Cohort (PostCEPT) | Yes | \$0 | \$0 | \$0 | \$0 |
| <i>1/1/09 to 12/31/09</i> | <i>National Institute of Neurological Disorders and Stroke through University of Rochester</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | 100 | | | |
| C-101471-06 | A Longitudinal Observational Follow-up of the PRECEPT Study Cohort (PostCEPT) | Yes | \$0 | \$0 | \$0 | \$0 |
| <i>6/15/10 to 8/31/13</i> | <i>National Institute of Neurological Disorders and Stroke through University of Rochester</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | 100 | | | |

Medicine and Life Sciences, College of

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|---------------------------------|---|---------------------------|--------------|--------------------|----------------------|--------------------|------------------------------|
| Neurology, Department of | | | | | | | |
| C-125520-02 | 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" | | No | \$16,421 | \$5,255 | \$21,675 | \$21,675 |
| <i>7/1/19 to 6/30/20</i> | <i>Pharmaceutical Research Associates, 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 | | | | | |
| C-125629-04 | 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 | | No | \$22,826 | \$7,304 | \$30,130 | \$30,130 |
| <i>7/1/19 to 6/30/20</i> | <i>Pharmaceutical Research Associates, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| C-127182-02 | Designed for DATA | | No | \$138,657 | \$11,093 | \$149,750 | |
| <i>9/30/19 to 9/29/20</i> | <i>Substance Abuse and Mental Health Services Administration</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Lewis, Chandani | Psychiatry, Department of | | | 34 | | |
| Co-I | Ali, Imran | Neurology, Department of | | | | | |
| Co-I | Dowling, Jamie L. | Psychiatry, Department of | | | 33 | | |
| Co-I | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | | 33 | | |
| C-127750-02 | An Open-label Extension Study Of The Safety And Clinical Utility Of IPX203 In Parkinson's Disease Patients With Motor Fluctuations | | Yes | \$10,500 | \$0 | \$10,500 | \$10,500 |
| <i>7/1/20 to 6/30/21</i> | <i>Impax Laboratories, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| N-122634-01 | A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multi-Center Trial Of Pregabalin Cras Adjunctive Therapy In Adult Patients With Partial Onset Seizures | | Yes | \$(2,362) | \$(638) | \$(3,000) | |
| <i>3/1/11 to 3/7/12</i> | <i>Pfizer, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Li, Hongyan | Resid Prgm-Neurology | | | 100 | | |
| Co-I | Ali, Imran | Neurology, Department of | | | | | |
| Co-I | Cole, Kimberly A. | Neurology, Department of | | | | | |
| Co-I | Ramsey-Williams, Vicki A. | Resid Prgm-Neurology | | | | | |

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|---------------------------------|--|-------------------------|--------------------------|--------------|--------------------|----------------------|--------------------|--------------------------|
| Neurology, Department of | | | | | | | | |
| N-127275-01 | Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter, Phase 3 Study to Evaluate the Efficacy and Safety of Intravenous BIIB093 (Glibenclamide) for Severe Cerebral Edema following Large Hemispheric Infarction | | | Yes | \$4,047 | \$0 | \$4,047 | \$4,047 |
| <i>2/27/19 to 6/30/20</i> | <i>Biogen, Inc. through ProMedica Health System</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Zaidi, Syed Fazal Abbas | Neurology, Department of | | | 100 | | |
| N-127279-01 | A Randomized Controlled Study to Compare the Safety and Efficacy of IPX203 with Immediate Release-Carbidopa-Levodopa in Parkinson's disease Patients with Motor Fluctuations | | | Yes | \$24,556 | \$0 | \$24,556 | \$24,556 |
| <i>4/30/19 to 6/30/20</i> | <i>Impax Laboratories, Inc.</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| N-127352-01-W2 | Observational evaluation of effectiveness and patient-reported outcomes (PROs) in suboptimally controlled patients previously Taking oral disease-modifying drugs (DMDs) for relapsing forms of Multiple Sclerosis (RMS) (MASTER-2) | | | Yes | \$5,500 | \$0 | \$5,500 | \$5,500 |
| <i>6/27/19 to 6/30/20</i> | <i>EMD Sorono</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Derani, Talal M. | Neurology, Department of | | | 100 | | |
| N-127352-01-W3 | CLadribine tablets: Observational evaluation of effectiveness and patient-reported outcomes (PROs) in suboptimally Controlled patients previously taking injectable disease-modifying drugs (DMDs) for relapsing forms of Multiple Sclerosis (RMS) (CLICK-MS) | | | Yes | \$5,500 | \$0 | \$5,500 | \$5,500 |
| <i>6/27/19 to 6/30/20</i> | <i>EMD Sorono</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Derani, Talal M. | Neurology, Department of | | | 100 | | |
| N-127467-01-W2 | An Open-Label, Multi-Center, Extension to Evaluate the Safety and Efficacy of Padsevonil as Adjunctive Treatment of Focal-Onset Seizures in Adult Subjects with Drug-Resistant Epilepsy | | | Yes | \$13,125 | \$0 | \$13,125 | \$13,125 |
| <i>4/22/19 to 6/30/20</i> | <i>UCB Biosciences</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Ali, Imran | Neurology, Department of | | | 100 | | |

Medicine and Life Sciences, College of

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|---|--|-----------------|--------------------------|--------------|--------------------|----------------------|--------------------|--------------------------|
| Neurology, Department of | | | | | | | | |
| N-127565-01 | A 14 Week, Double-Blind, Randomized, Three Arm, Parallel Group Study to Assess the Efficacy and Safety of Two Doses of Pridopidine versus Placebo for the Treatment of Levodopa Induced Dyskinesia in Patients with Parkinson's Disease. ("Study") in accordance with Sponsor's protocol no. PL101-LID201 | | | Yes | \$22,224 | \$0 | \$22,224 | \$22,224 |
| 5/30/19 to 6/30/20 | <i>Prilenia Neurotherapeutics Ltd.</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| N-127577-01-W1 | A Randomized, Double-blind, Placebo-controlled, Multicenter Study to Evaluate the Safety, Tolerability and Efficacy of XEN1101 as Adjunctive Therapy in Focal-onset Epilepsy | | | Yes | \$16,133 | \$0 | \$16,133 | \$16,133 |
| 4/9/19 to 6/30/20 | Protocol Number: XPF-008-201 <i>Xenon Pharmaceuticals</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Ali, Imran | Neurology, Department of | | | 100 | | |
| N-127750-01 | An Open-label Extension Study Of The Safety And Clinical Utility Of IPX203 In Parkinson's Disease Patients With Motor Fluctuations | | | Yes | \$10,500 | \$0 | \$10,500 | \$10,500 |
| 7/29/19 to 6/30/20 | <i>Impax Laboratories, Inc.</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| N-127800-01 | A Pilot Randomized, Double-blind, Placebo-controlled Study to Evaluate Safety and Daytime Sedation in Subjects With Parkinson's Disease Treated With Pimavanserin or Low Dose Quetiapine | | | Yes | \$10,000 | \$0 | \$10,000 | \$10,000 |
| 7/30/19 to 6/30/20 | <i>Acadia Pharmaceuticals, Inc.</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| N-127996-01 | Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy, Safety, and Tolerability of 36 Weeks of Treatment with NLY01 in Early-stage Parkinson's Disease | | | Yes | \$14,250 | \$0 | \$14,250 | \$14,250 |
| 12/16/19 to 6/30/20 | <i>Neuraly Inc.</i> | | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| | PI/PD | Elmer, Lawrence | Neurology, Department of | | | 100 | | |
| Sum of Department (Neurology, Department of) Award Count: 17.00 | | | | | | | | \$188,141 |

Neurosciences, Department of

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|--|--|--|-------------|---------------|-----------------|-------------------|
| Neurosciences, Department of | | | | | | |
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | \$67,098 |
| <i>7/1/19 to 6/30/20 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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | Psychiatry, Department of | | | | |
| C-125914-02 | How Non-Transcriptional IRF3 Prevents ALD | No | \$118,750 | \$63,531 | \$182,281 | \$9,114 |
| <i>9/1/19 to 8/31/21 National Institute on Alcohol Abuse and Alcoholism</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. | Neurosciences, Department of | | | 5 | |
| C-126970-06 | Cell-specific analysis of sub-kinomes in schizophrenia | No | \$250,000 | \$89,585 | \$339,585 | \$339,585 |
| <i>5/1/20 to 4/30/21 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 | |
| N-127294-01-A1 | Integrative role of bilirubin on obesity | No | \$31,000 | \$16,585 | \$47,585 | \$47,585 |
| <i>4/1/20 to 3/31/21 National Institute of Diabetes, Digestive & Kidney Diseases through University of Mississippi</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Hinds, Terry D. | Neurosciences, Department of | | | 100 | |
| N-127388-01-A1 | Translational assessment of brain bioenergetic function in schizophrenia | No | \$90,063 | \$48,184 | \$138,247 | \$138,247 |
| <i>12/1/19 to 10/31/20 National Institutes of Health through University of Maryland at Baltimore</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | McCullumsmith, Robert E. | Neurosciences, Department of | | | 100 | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|--|--|--------------------------|---|-----------------|-------------|-------------------|
| Neurosciences, Department of | | | | | | |
| N-127409-01-A1 | Molecular and Functional Analysis of Hirschsprung Defects in Humans and Mouse | No | \$60,558 | \$32,398 | \$92,956 | \$46,478 |
| <i>4/15/20 to 3/31/21 National Institutes of Health through University of Pittsburgh</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Howard, Marthe | Neurosciences, Department of | 50 | | |
| | Co-I | Kalinoski, Andrea L. | Surgery, Department of | 50 | | |
| N-128465-01 | Research Gift from UTF to Neurosciences (Environmental contributors to autism risk) | No | \$475,000 | \$0 | \$475,000 | \$475,000 |
| <i>10/1/19 to 12/31/20 ProMedica Health System</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Burkett, James Patrick | Neurosciences, Department of | 100 | | |
| S-126111-02-S1 | Development of Attenuated Furoxans as Novel Therapies for Alzheimer's Disease | No | \$219,962 | \$117,679 | \$337,641 | \$253,231 |
| <i>9/1/19 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 | 25 | | |
| | Co-I | McCullumsmith, Robert E. | Neurosciences, Department of | 75 | | |
| T-126982-03 | Proteomic analysis of the postsynaptic density-95 interactome in schizophrenia | No | \$7,653 | \$4,094 | \$11,747 | \$11,747 |
| <i>2/8/19 to 12/31/19 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 | | |
| | Co-I | Funk, Adam J. | Neurosciences, Department of | | | |
| T-127778-05 | Mechanisms of developmental regulation of affective behaviors | No | \$24,254 | \$12,976 | \$37,230 | \$37,230 |
| <i>8/23/19 to 4/30/20 National Institute of Child Health & Human Development</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Ninan, Ipe | Neurosciences, Department of | 100 | | |
| T-127778-06 | Mechanisms of developmental regulation of affective behaviors | No | \$217,952 | \$116,604 | \$334,556 | \$334,556 |
| <i>8/19/19 to 4/30/21 National Institute of Child Health & Human Development</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Ninan, Ipe | Neurosciences, Department of | 100 | | |
| T-127986-03 | Behavioral and Neurological Effects of Developmental Pyrethroid Exposure in Rodents | No | \$194,373 | \$54,627 | \$249,000 | \$249,000 |
| <i>5/1/20 to 4/30/21 National Institute of Environmental Health Sciences</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Burkett, James Patrick | Neurosciences, Department of | 100 | | |

Sum of Department (Neurosciences, Department of) Award Count: 9.40 \$2,008,871

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> |
|---|--|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Obstetrics & Gynecology, Department of | | | | | | | |
| C-126226-03 | Extension Study to Evaluate the Efficacy and Safety of Elgalox in Premenopausal Women with Heavy Menstrual Bleeding Associated with Uterine Fibroids - Protocol M12-816 | | No | \$2,444 | \$782 | \$3,226 | \$3,226 |
| <i>7/1/19 to 6/30/20</i> | <i>AbbVie</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Smaili, Sleiman K. | Obstetrics & Gynecology, Department of | | | | 100 | |
| Sum of Department (Obstetrics & Gynecology, Department) Award Count: 1.00 | | | | | | | \$3,226 |
| Orthopaedic Surgery, Department of | | | | | | | |
| N-127576-01 | Addressing the opioid epidemic through an all-Ohio collaborative medical school training curriculum | | No | \$37,325 | \$3,733 | \$41,058 | |
| <i>9/30/18 to 9/29/19</i> | <i>Ohio Department of Mental Health and Addiction Services through Northeast Ohio Medical University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | | | 100 | |
| Co-I | Gavin, Mary Jo | Orthopaedic Surgery, Department of | | | | | |
| Sum of Department (Orthopaedic Surgery, Department of) Award Count: | | | | | | | |
| Orthopedics | | | | | | | |
| C-127016-02 | Common mechanisms regulating osteocyte support for bone remodeling and energy metabolism | | No | \$99,305 | \$9,929 | \$109,234 | \$109,234 |
| <i>1/1/20 to 12/31/20</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 | |
| N-127072-01 | Nuclear Receptor Chaperones in Signaling & Metabolism | | No | \$250,000 | \$133,750 | \$383,750 | |
| <i>7/2/19 to 6/30/20</i> | <i>National Institute of Diabetes, Digestive & Kidney Diseases</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Sanchez, Edwin | Physiology & Pharmacology, Department of | | | | 100 | |
| Co-I | Hinds, Terry D. | Physiology & Pharmacology, Department of | | | | | |
| Co-I | Lecka-Czernik, Beata | Orthopedics | | | | | |
| Co-I | Smias, Cynthia M. | Cancer Biology, Department of | | | | | |
| N-128268-01 | J & J Course Support | | No | \$2,000 | \$0 | \$2,000 | \$2,000 |
| <i>2/1/20 to 8/16/20</i> | <i>Johnson & Johnson Medical Device Business Services Inc</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Ebraheim, Nabil | Orthopedics | | | | 100 | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|--|---|---|-----------------|---------------|-------------|-------------------|
| Orthopedics | | | | | | |
| N-128273-01 | J & J Course Support | No | \$4,000 | \$0 | \$4,000 | \$4,000 |
| <i>1/30/20 to 9/15/20 Johnson & Johnson Medical Device Business Services Inc</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Ebraheim, Nabil | Orthopedics | 100 | | | |
| Sum of Department (Orthopedics) Award Count: 3.00 | | | | | | \$115,234 |
| Pathology, Department of | | | | | | |
| N-127410-01 | MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$545,650 | \$0 | \$545,650 | \$272,825 |
| <i>9/1/19 to 8/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gunning, William T. | Pathology, Department of | 50 | | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | 13 | | | |
| Co-I | Lind-Kovacs, Cora | Chemistry and Biochemistry, Department of | 12 | | | |
| Co-I | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | 12 | | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | 13 | | | |
| N-127617-01 | High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease | No | \$37,834 | \$20,240 | \$58,074 | |
| <i>2/1/20 to 1/31/21 U.S. Department of Commerce through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | 48 | | | |
| PI/PD | Kennedy, David Joseph | Medicine, Department of | 47 | | | |
| Co-I | Blomquist, Thomas M. | Pathology, Department of | | | | |
| Co-I | Gohara, Amira | Pathology, Department of | | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | | | |
| N-127773-01 | Testing Services on Whole Blood | No | \$7,500 | \$2,400 | \$9,900 | \$9,900 |
| <i>7/1/19 to 9/30/21 Invitro Cell Research ICR, LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gunning, William T. | Pathology, Department of | 100 | | | |
| N-127931-01 | OHIO ACTION FUND: MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$116,925 | \$0 | \$116,925 | \$116,925 |
| <i>9/1/19 to 8/31/22 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gunning, William T. | Pathology, Department of | 100 | | | |

Medicine and Life Sciences, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|--|---|-------------------------|--|-----------------|-------------|-------------------|
| Pathology, Department of | | | | | | |
| N-127971-01 | Assistant of Pathologist Program | No | \$2,000 | \$0 | \$2,000 | \$2,000 |
| <i>10/1/19 to 12/31/19 American Society of Clinical Pathologists</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Dominiak, Nicole Rachel | Pathology, Department of | 100 | | |
| N-128152-01 | HABRI: Deep Phenotyping of Human Organ Biobank Specimens for Cyanotoxin Exposure in At- Risk Populations | No | \$217,897 | \$0 | \$217,897 | \$10,895 |
| <i>1/1/20 to 6/30/21 Ohio Department of Higher Education through Ohio State University</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Haller, Steven T. | Medicine, Department of | 35 | | |
| | Co-I | Gohara, Amira | Pathology, Department of | 5 | | |
| | Co-I | Hammersley, Jeffrey | Medicine, Department of | 5 | | |
| | Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | |
| | Co-I | Kennedy, David Joseph | Medicine, Department of | 35 | | |
| | Co-I | Malhotra, Deepak K. | Medicine, Department of | 5 | | |
| | Co-I | Mukundan, Deepa | Pediatrics, Department of | 5 | | |
| | Co-I | Willey, James | Medicine, Department of | 5 | | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | No | \$192,789 | \$0 | \$192,789 | \$9,639 |
| <i>1/1/20 to 6/30/21 Ohio Department of Higher Education through Ohio State University</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Haller, Steven T. | Medicine, Department of | 35 | | |
| | Co-I | Gohara, Amira | Pathology, Department of | 5 | | |
| | Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | 5 | | |
| | Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | 5 | | |
| | Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | 5 | | |
| | Co-I | Kennedy, David Joseph | Medicine, Department of | 35 | | |
| | Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | 5 | | |
| | Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | 5 | | |
| Sum of Department (Pathology, Department of) Award Count: 3.60 | | | | | | \$422,184 |
| Pediatrics, Department of | | | | | | |
| C-010085-41 | Regional Comprehensive Genetics Services | No | \$147,613 | \$0 | \$147,613 | \$147,613 |
| <i>7/1/19 to 6/30/20 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 | | |
| C-010085-41-101 | Regional Comprehensive Genetics Services | No | \$5,273 | \$0 | \$5,273 | \$5,273 |
| <i>2/14/20 to 6/30/20 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 | | |

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> |
|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| Pediatrics, Department of | | | | | | |
| N-128152-01 | HABRI: Deep Phenotyping of Human Organ Biobank Specimens for Cyanotoxin Exposure in At- Risk Populations | No | \$217,897 | \$0 | \$217,897 | \$10,895 |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | 35 | | |
| Co-I | Gohara, Amira | Pathology, Department of | | 5 | | |
| Co-I | Hammersley, Jeffrey | Medicine, Department of | | 5 | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 5 | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | 35 | | |
| Co-I | Malhotra, Deepak K. | Medicine, Department of | | 5 | | |
| Co-I | Mukundan, Deepa | Pediatrics, Department of | | 5 | | |
| Co-I | Willey, James | Medicine, Department of | | 5 | | |
| N-128303-01 | Reach Out and Read | No | \$25,100 | \$0 | \$25,100 | \$25,100 |
| <i>1/1/20 to 12/31/20</i> | <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 | | 100 | | |
| Co-I | Legendre, Lori R. | Pediatrics, Department of | | | | |
| Sum of Department (Pediatrics, Department of) Award Count: 3.05 | | | | | | \$188,881 |
| Physiology & Pharmacology, Department of | | | | | | |
| C-125185-04 | Resp18 a novel genetic determinant of blood pressure regulation and renal function | No | \$70,000 | \$7,000 | \$77,000 | \$77,000 |
| <i>7/1/19 to 6/30/20</i> | <i>American Heart Association - National</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Kumarasamy, Sivarajan | Physiology & Pharmacology, Department of | | 100 | | |
| C-126570-03 | Genetic, Epigenetic and Dietary Salt effects on Microbiota and Hypertension | No | \$431,411 | \$235,119 | \$666,530 | \$666,530 |
| <i>5/1/20 to 4/30/21</i> | <i>National Heart, Lung & Blood Institute</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Joe, Bina | Physiology & Pharmacology, Department of | | 100 | | |
| Co-I | Kumar, Matam Vijay | Physiology & Pharmacology, Department of | | | | |
| C-126676-04 | Interplay between Dietary Fiber and Gut Microbiota in Hepatocellular Carcinoma | No | \$181,361 | \$81,153 | \$262,514 | \$262,514 |
| <i>7/1/19 to 6/30/20</i> | <i>National Cancer Institute</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Kumar, Matam Vijay | Physiology & Pharmacology, Department of | | 100 | | |

Medicine and Life Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|-----------------------------|---|----------------------|--------------------|--------------------------|
| Physiology & Pharmacology, Department of | | | | | | |
| C-126745-06 | Resource for Rat Genetic Models of Aerobic Capacity | No | \$129,435 | \$69,248 | \$198,683 | \$198,683 |
| 7/1/19 to 6/30/21 <i>National Institutes of Health</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Koch, Lauren Gerard | Physiology & Pharmacology, Department of | 100 | | |
| | Co-I | Joe, Bina | Physiology & Pharmacology, Department of | | | |
| C-126924-03 | Catalytic Iron: A Novel Regulator of Netosis in Inflammatory Bowel Disease | No | \$58,250 | \$0 | \$58,250 | \$58,250 |
| 7/1/19 to 6/30/20 <i>Crohn's and Colitis Foundation of America</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Kumar, Matam Vijay | Physiology & Pharmacology, Department of | 100 | | |
| C-126965-04 | Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis | No | \$161,362 | \$62,737 | \$224,099 | \$224,099 |
| 12/1/19 to 11/30/20 <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 | Physiology & Pharmacology, Department of | 100 | | |
| C-126965-04-I01 | Intrarenal Arteries Sense N-formyl Peptides Leading to Vascular Injury in Sepsis | No | \$16,221 | \$8,679 | \$24,900 | \$24,900 |
| 12/1/19 to 11/30/20 <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 | Physiology & Pharmacology, Department of | 100 | | |
| C-127042-02 | Transfer PI: Cam McCarthy Decreased autophagy leads to proteotoxicity and senescence in hypertension-associated premature vascular aging | No | \$54,316 | \$0 | \$54,316 | \$54,316 |
| 7/1/19 to 6/30/20 <i>American Heart Association - National</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Joe, Bina | Physiology & Pharmacology, Department of | 100 | | |
| C-127153-02 | Pre-doc Fellowship for Hannah Saternos : Role of ciliary muscarinic acetylcholine receptor 3 in hypertension in Polycystic Kidney Disease | No | \$26,844 | \$0 | \$26,844 | |
| 1/1/20 to 12/31/20 <i>American Heart Association - National</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | |
| | PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | 100 | | |
| | Co-I | Joe, Bina | Physiology & Pharmacology, Department of | | | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|---|-----------------------|--------------|---|----------------------|--------------------|--------------------------|
| Physiology & Pharmacology, Department of | | | | | | | |
| N-127072-01 | Nuclear Receptor Chaperones in Signaling & Metabolism | | No | \$250,000 | \$133,750 | \$383,750 | \$383,750 |
| <i>7/2/19 to 6/30/20</i> | <i>National Institute of Diabetes, Digestive & Kidney Diseases</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Sanchez, Edwin | | Physiology & Pharmacology, Department of | | 100 | |
| | Co-I | Hinds, Terry D. | | Physiology & Pharmacology, Department of | | | |
| | Co-I | Lecka-Czernik, Beata | | Orthopedics | | | |
| | Co-I | Smas, Cynthia M. | | Cancer Biology, Department of | | | |
| N-127617-01 | High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease | | No | \$37,834 | \$20,240 | \$58,074 | |
| <i>2/1/20 to 1/31/21</i> | <i>U.S. Department of Commerce through Ohio State University</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Haller, Steven T. | | Medicine, Department of | | 48 | |
| | PI/PD | Kennedy, David Joseph | | Medicine, Department of | | 47 | |
| | Co-I | Blomquist, Thomas M. | | Pathology, Department of | | | |
| | Co-I | Gohara, Amira | | Pathology, Department of | | | |
| | Co-I | Isailovic, Dragan | | Chemistry and Biochemistry, Department of | | 5 | |
| | Co-I | Modyanov, Nikolai | | Physiology & Pharmacology, Department of | | | |
| N-127662-01 | Host-gut microbiota interaction in hypertension | | No | \$47,037 | \$2,963 | \$50,000 | \$50,000 |
| <i>7/8/19 to 10/31/20</i> | <i>Biocodex Microbiota Foundation</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Yang, Tao | | Physiology & Pharmacology, Department of | | 80 | |
| | Co-I | Joe, Bina | | Physiology & Pharmacology, Department of | | 20 | |
| N-127729-01 | Genome-wide investigation of circular RNAs in alcohol-related phenotypes using the Hybrid Rat Diversity Panel | | No | \$21,818 | \$2,182 | \$24,000 | \$24,000 |
| <i>8/1/19 to 5/31/20</i> | <i>National Institute on Drug Abuse through University of Tennessee</i> | | | | | | |
| | <u>Role</u> | <u>Name</u> | | <u>Department</u> | | <u>% Credit</u> | |
| | PI/PD | Cheng, Xi | | Physiology & Pharmacology, Department of | | 100 | |

Medicine and Life Sciences, College of

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| | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> | |
|---|---|--|--------------|--------------------|----------------------|--------------------|---------------------------|--------------------|
| Physiology & Pharmacology, Department of | | | | | | | | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | | No | \$192,789 | \$0 | \$192,789 | \$9,639 | |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | | | 35 | | |
| Co-I | Gohara, Amira | Pathology, Department of | | | | 5 | | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | | | 5 | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | | | 5 | | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | | | | 5 | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | | | 35 | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | | | 5 | | |
| Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | | | | 5 | | |
| S-126745-06-S1 | Resource for Rat Genetic Models of Aerobic Capacity | | No | \$88,905 | \$42,268 | \$131,173 | \$131,173 | |
| <i>7/1/19 to 6/30/20</i> | <i>National Institutes of Health</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Koch, Lauren Gerard | Physiology & Pharmacology, Department of | | | | 100 | | |
| Co-I | Joe, Bina | Physiology & Pharmacology, Department of | | | | | | |
| Sum of Department (Physiology & Pharmacology, Departm) | | | | | | | Award Count: 12.05 | \$2,164,854 |
| Psychiatry, Department of | | | | | | | | |
| C-010532-25 | Adult Psychiatry Residency and Training Program | | No | \$38,095 | \$1,905 | \$40,000 | \$40,000 | |
| <i>7/1/19 to 6/30/20</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 | | |
| C-101317-15 | Child and Adolescent Psychiatry Residency and Training Program | | No | \$28,571 | \$1,429 | \$30,000 | \$30,000 | |
| <i>7/1/19 to 6/30/20</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 | | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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> |
|----------------------------------|---|--|--------------------|----------------------|--------------------|--------------------------|
| Psychiatry, Department of | | | | | | |
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | \$597,174 |
| <i>7/1/19 to 6/30/20</i> | <i>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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | Psychiatry, Department of | | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | No | \$114,325 | \$9,147 | \$123,472 | \$12,347 |
| <i>9/30/19 to 9/29/20</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 | | |

Medicine and Life Sciences, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|----------------------------------|--|------------------------------------|-------------|-----------------|-------------|-------------------|
| Psychiatry, Department of | | | | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | No | \$746,823 | \$74,681 | \$821,504 | |
| 7/3/19 to 6/30/20 | <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 | Cameron, Brent D. | Bioengineering, Department of | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | |
| Co-I | Foss, Matthew J. | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | | 50 | | |
| Co-I | Singh, Shipra | School of Population Health | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | |
| C-127182-02 | Designed for DATA | No | \$138,657 | \$11,093 | \$149,750 | \$149,750 |
| 9/30/19 to 9/29/20 | <i>Substance Abuse and Mental Health Services Administration</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Lewis, Chandani | Psychiatry, Department of | | 34 | | |
| Co-I | Ali, Imran | Neurology, Department of | | | | |
| Co-I | Dowling, Jamie L. | Psychiatry, Department of | | 33 | | |
| Co-I | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | 33 | | |
| C-127192-02 | Emergency Department Case Manager | No | \$60,000 | \$0 | \$60,000 | \$60,000 |
| 7/1/19 to 6/30/20 | <i>Ohio Department of Mental Health and Addiction Services</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | 100 | | |
| N-127387-01 | Optimizing HEALing in Ohio Communities (OHIO) | No | \$45,586 | \$24,389 | \$69,975 | \$69,975 |
| 7/1/19 to 3/31/20 | <i>National Institute on Drug Abuse through Case Western Reserve University/Case Medical Center</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | 100 | | |
| N-127576-01 | Addressing the opioid epidemic through an all-Ohio collaborative medical school training curriculum | No | \$37,325 | \$3,733 | \$41,058 | \$41,058 |
| 9/30/18 to 9/29/19 | <i>Ohio Department of Mental Health and Addiction Services through Northeast Ohio Medical University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | McCullumsmith, Cheryl Beth | Psychiatry, Department of | | 100 | | |
| Co-I | Gavin, Mary Jo | Orthopaedic Surgery, Department of | | | | |

Medicine and Life Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|---------------------------|--------------------|----------------------|--------------------|--------------------------|
| Psychiatry, Department of | | | | | | |
| N-128480-01 | Autism and Social Neuroscience | No | \$225,000 | \$0 | \$225,000 | \$225,000 |
| <i>1/1/20 to 12/31/20 ProMedica Health System</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Andari, Elissar | Psychiatry, Department of | 100 | | | |
| R-127604-02 | Ohio State Opioid Response (SOR) Project | No | \$455,150 | \$44,850 | \$500,000 | \$500,000 |
| <i>9/30/19 to 9/29/20 Substance Abuse and Mental Health Services Administration through Mental Health and Recovery Services Board</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | McCullumsmith, Cheryl Beth | Psychiatry, Department of | 100 | | | |
| R-127604-02-I01 | Ohio State Opioid Response (SOR) Project | No | \$4,546 | \$454 | \$5,000 | \$5,000 |
| <i>9/30/19 to 9/29/20 Substance Abuse and Mental Health Services Administration through Mental Health and Recovery Services Board</i> | | | | | | |
| <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: 9.99 | | | | | | \$1,730,304 |

Radiology, Department of

| | | | | | | |
|--|--|--|-----------------|-----------|-----------|--|
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | |
| <i>7/1/19 to 6/30/20 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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | 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> |
|---|---|--------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Radiology, Department of | | | | | | |
| N-125468-01 | First Sense Breast Exam/Therma-Scan System to Collect Data to Det. the Safety & 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 | Yes | \$(6,538) | \$(1,962) | \$(8,500) | \$(8,500) |
| <i>11/30/15 to 11/29/16</i> | <i>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 | | | | |
| Sum of Department (Radiology, Department of) | | | | | | Award Count: 1.00 |
| | | | | | | \$(8,500) |
| Resid Prgm-Family Practice | | | | | | |
| C-126701-03 | Choose Ohio First: PCMH | No | \$150,000 | \$0 | \$150,000 | \$150,000 |
| <i>7/1/19 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 | Schaefer, Paul L. | Resid Prgm-Family Practice | | | 100 | |
| N-126701-01 | Choose Ohio First: PCMH | Yes | \$71,225 | \$0 | \$71,225 | \$53,419 |
| <i>7/1/17 to 6/30/18</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 | | | 75 | |
| Co-PI | Hickey, Daniel | Family Medicine, Department of | | | 25 | |
| Stdnt Schol | Ingram, Evan Miles | | | | | |
| Stdnt Schol | Miniato, Mohammed A. | | | | | |
| Stdnt Schol | Najjar, Amira Amanda | | | | | |
| Stdnt Schol | Saleh, Hanan Ahmed | | | | | |
| Stdnt Schol | Sims, Ariel B. | | | | | |
| Stdnt Schol | Soni, Jalpa Shivam | | | | | |
| Sum of Department (Resid Prgm-Family Practice) | | | | | | Award Count: 1.75 |
| | | | | | | \$203,419 |
| Resid Prgm-Medicine | | | | | | |

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> | |
|---|---|------------------------------------|--------------|--------------------|----------------------|--------------------|--------------------------|------------------|
| Resid Prgm-Medicine | | | | | | | | |
| C-127179-02 | Medicaid Equity Simulation Project MEDTAPP Providers As Allies In Equity And Care (PAEC) | | No | \$746,823 | \$74,681 | \$821,504 | | |
| <i>7/3/19 to 6/30/20</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 | Cameron, Brent D. | Bioengineering, Department of | | | | | | |
| Co-I | Casabianca, Andrew | Anesthesiology, Department of | | | | | | |
| Co-I | Foss, Matthew J. | | | | | | | |
| Co-I | Hinch, Bryan Thomas | Resid Prgm-Medicine | | | | | | |
| Co-I | Jones, Whitney W. | Medicine, Department of | | | | | | |
| Co-I | Papadimos, Thomas J. | Anesthesiology, Department of | | | | | | |
| Co-I | Pappada, Scott Michael | Anesthesiology, Department of | | | 50 | | | |
| Co-I | Singh, Shipra | School of Population Health | | | | | | |
| Co-I | Williams, Kristi | Psychiatry, Department of | | | | | | |
| Sum of Department (Resid Prgm-Medicine) | | | | | | | Award Count: | |
| Resid Prgm-Neurology | | | | | | | | |
| N-122634-01 | A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multi-Center Trial Of Pregabalin Cras Adjunctive Therapy In Adult Patients With Partial Onset Seizures | | Yes | \$(2,362) | \$(638) | \$(3,000) | \$(3,000) | |
| <i>3/1/11 to 3/7/12</i> | <i>Pfizer, Inc.</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Li, Hongyan | Resid Prgm-Neurology | | | 100 | | | |
| Co-I | Ali, Imran | Neurology, Department of | | | | | | |
| Co-I | Cole, Kimberly A. | Neurology, Department of | | | | | | |
| Co-I | Ramsey-Williams, Vicki A. | Resid Prgm-Neurology | | | | | | |
| Sum of Department (Resid Prgm-Neurology) | | | | | | | Award Count: 1.00 | \$(3,000) |
| Resid Prgm-Urology | | | | | | | | |
| N-127102-01-A1 | Molecular Marker for Centrioles Remodeling in Human Reproduction | | No | \$50,000 | \$24,833 | \$74,833 | \$3,742 | |
| <i>9/6/19 to 8/31/20</i> | <i>National Institute of Child Health & Human Development</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Avidor-Reiss, Tomer | Biological Sciences, Department of | | | 95 | | | |
| Co-I | Sindhvani, Puneet | Resid Prgm-Urology | | | 5 | | | |
| Sum of Department (Resid Prgm-Urology) | | | | | | | Award Count: 0.05 | \$3,742 |
| Surgery, Department of | | | | | | | | |

Medicine and Life Sciences, College of

This report does **not** show all projects that were active in FY20. 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> |
|-------------------------------|--|--|--------------------|----------------------|--------------------|------------------------------|
| Surgery, Department of | | | | | | |
| C-125299-04 | Study of Early Brain Alterations that Predict Development of Chronic PTSD | No | \$482,920 | \$188,062 | \$670,982 | |
| <i>7/1/19 to 6/30/20</i> | <i>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 | Buehler, Mark A. | Radiology, 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 | Boddapati, Rupesh VN | Psychiatry, Department of | | | | |
| Stdnt Schol | Gibson, Elizabeth Marie | Psychiatry, Department of | | | | |
| Stdnt Schol | Grau, Aaron Scott | Psychiatry, Department of | | | | |
| Stdnt Schol | Lughmani, Musa Bashaar | Psychiatry, Department of | | | | |
| Stdnt Schol | Mathews, Jeremy | Psychiatry, Department of | | | | |
| Stdnt Schol | Vuppala, Sai Bhargav Ganga | Psychiatry, Department of | | | | |
| C-126971-03 | 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 ("Cypress 1" J1L-AM-JZGC) | No | \$3,346 | \$1,004 | \$4,350 | |
| <i>7/1/19 to 6/30/20</i> | <i>Eli Lilly and Company</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 | | | | |

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> |
|-------------------------------|--|-------------------------|--------------|--------------------|----------------------|--------------------|------------------------------------|
| Surgery, Department of | | | | | | | |
| C-127205-02 | 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 | | No | \$3,030 | \$970 | \$4,000 | |
| <i>7/1/19 to 6/30/20</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 | | | | | |
| C-127352-02-W1 | 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 | | No | \$13,208 | \$3,962 | \$17,170 | |
| <i>7/1/19 to 6/30/20</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 | | | | | |
| N-101551-01 | A Randomized, Open-label, Controlled, Phase II Trial of Combination Chemotherapy with or without Panitumumab as First-line Treatment of Subjects with Metastatic or Recurrent Head and Neck Cancer, and Cross-over Second-line Panitumumab Monotherapy of Subjects who Fail the Combination | | Yes | \$(7,037) | \$(1,759) | \$(8,796) | \$(8,796) |
| <i>4/9/07 to 4/8/11</i> | <i>Amgen, Inc.</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | |
| PI/PD | Chaudhuri, Prabir | Surgery, Department of | | | | 100 | |
| Co-I | Chaudhary, Rekha | Medicine, Department of | | | | | |
| Co-I | Mohamed, Iman E. | Medicine, Department of | | | | | |
| Co-I | Veltri, Salvatore | 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> |
|---|---|------------------------------|--------------------|----------------------|--------------------|--|
| Surgery, Department of | | | | | | |
| N-127409-01-A1 | Molecular and Functional Analysis of Hirschsprung Defects in Humans and Mouse | No | \$60,558 | \$32,398 | \$92,956 | \$46,478 |
| <i>4/15/20 to 3/31/21 National Institutes of Health through University of Pittsburgh</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Howard, Marthe | Neurosciences, Department of | | | 50 | |
| Co-I | Kalinoski, Andrea L. | Surgery, Department of | | | 50 | |
| Sum of Department (Surgery, Department of) | | | | | | Award Count: 1.50 \$37,682 |
| Urology, Department of | | | | | | |
| C-125772-02 | A New Empirical Model of Deceased Donor Kidney Allocation | No | \$15,885 | \$8,498 | \$24,383 | \$24,383 |
| <i>6/1/19 to 5/31/21 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 | |
| C-127516-02 | APOL1 studies in kidney transplantation consortium clinical centers (ASK-CCC) | No | \$1,954 | \$1,046 | \$3,000 | \$3,000 |
| <i>6/1/19 to 5/31/20 National Institutes of Health through Cleveland Clinic Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Ekwenna, Obi | Urology, Department of | | | 100 | |
| N-127516-01 | APOL1 studies in kidney transplantation consortium clinical centers (ASK-CCC) | No | \$1,954 | \$1,046 | \$3,000 | \$3,000 |
| <i>6/1/18 to 5/31/19 National Institutes of Health through Cleveland Clinic Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Ekwenna, Obi | Urology, Department of | | | 100 | |
| N-128239-01 | The PROspera Kidney Transplant ACTIVE Rejection Detection Registry (PROACTIVE) Study | No | \$0 | \$0 | \$0 | \$0 |
| <i>4/21/20 to 6/30/20 Natera Inc</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Ekwenna, Obi | Urology, Department of | | | 100 | |
| Sum of Department (Urology, Department of) | | | | | | Award Count: 4.00 \$30,383 |
| Sum of College (Medicine and Life Sciences, College of) | | | | | | Award Count: 137.15 \$16,662,889 |

Natural Sciences & Mathematics, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Biological Sciences, Department of | | | | | | |

Natural Sciences & Mathematics, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|---|--|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Biological Sciences, Department of | | | | | | | | |
| C-125765-04 | Analysis of mechanisms involved in induction of abiotic and biotic stress tolerance in Horticulture Crops Through Nutrition or Temperature | | | No | \$176,180 | \$17,618 | \$193,798 | \$193,798 |
| 7/1/19 to 6/30/20 | U.S. Department of Agriculture | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Leisner, Scott M. | Biological Sciences, Department of | | | | 100 | | |
| C-125932-03 | Immune Evasion in Aquatic Rhabdoviral Pathogens | | | No | \$287,791 | \$0 | \$287,791 | \$287,791 |
| 7/1/19 to 6/30/20 | U.S. Department of Agriculture | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Krishnamurthy, Malathi | Biological Sciences, Department of | | | | 100 | | |
| Co-I | Leaman, Douglas W. | Biological Sciences, Department of | | | | | | |
| C-126083-02 | The role of platelets in oral candidiasis | | | No | \$240,971 | \$130,123 | \$371,094 | \$185,547 |
| 1/1/20 to 12/31/20 | National Institute of Dental and Craniofacial Research | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Conti, Heather Raquel | Biological Sciences, Department of | | | | 50 | | |
| Co-I | Worth, Randall G. | Med Microbiology & Immunology, Department of | | | | 50 | | |
| C-126083-02-I01 | The role of platelets in oral candidiasis | | | No | \$26,863 | \$14,371 | \$41,234 | \$20,617 |
| 1/1/20 to 12/31/20 | National Institute of Dental and Craniofacial Research | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Conti, Heather Raquel | Biological Sciences, Department of | | | | 50 | | |
| Co-I | Worth, Randall G. | Med Microbiology & Immunology, Department of | | | | 50 | | |
| C-126916-02 | Identification of novel regulators of invadopodia formation | | | No | \$50,000 | \$25,000 | \$75,000 | \$75,000 |
| 1/1/20 to 12/31/20 | National Cancer Institute | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Garcia-Mata, Rafael | Biological Sciences, Department of | | | | 100 | | |
| C-126943-03 | RESEARCH - PGR: Elucidating Maize Gene Regulatory Networks to Accelerate Translational Genomics | | | No | \$88,440 | \$40,748 | \$129,188 | \$129,188 |
| 2/1/20 to 1/31/21 | National Science Foundation through Michigan State University | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Gray, John | Biological Sciences, Department of | | | | 100 | | |
| N-127102-01-A1 | Molecular Marker for Centrioles Remodeling in Human Reproduction | | | No | \$50,000 | \$24,833 | \$74,833 | \$71,091 |
| 9/6/19 to 8/31/20 | National Institute of Child Health & Human Development | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Avidor-Reiss, Tomer | Biological Sciences, Department of | | | | 95 | | |
| Co-I | Sindhvani, Puneet | Resid Prgm-Urology | | | | 5 | | |

Natural Sciences & Mathematics, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| Biological Sciences, Department of | | | | | | |
| N-127138-01-A1 | Understanding and targeting MELK overexpression in breast cancer cells | No | \$312,725 | \$155,530 | \$468,255 | \$444,842 |
| <i>12/1/19 to 11/30/22</i> | | <i>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 | 95 | | | |
| Co-I | Furuta, Saori | Cancer Biology, Department of | 5 | | | |
| N-127256-01 | The Role of MicroRNAs in Axon Pathfinding | No | \$50,000 | \$24,750 | \$74,750 | \$74,750 |
| <i>7/16/19 to 6/30/20</i> | | <i>National Institute of Child Health & Human Development</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Liu, Guofa | Biological Sciences, Department of | 100 | | | |
| N-127305-01 | Regulation of MLK3 by LATS | No | \$300,000 | \$150,666 | \$450,666 | \$450,666 |
| <i>9/1/19 to 8/31/22</i> | | <i>National Cancer Institute</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Chadee, Deborah N. | Biological Sciences, Department of | 100 | | | |
| Stdnt Schol | Harmych, Sarah Jane | Biological Sciences, Department of | | | | |
| N-127322-01 | The molecular roles of polycystin in cytokinesis | No | \$300,000 | \$144,437 | \$444,437 | \$444,437 |
| <i>9/1/19 to 8/31/22</i> | | <i>National Institute of General Medical Sciences</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Chen, Qian | Biological Sciences, Department of | 100 | | | |
| N-127410-01 | MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$545,650 | \$0 | \$545,650 | \$70,934 |
| <i>9/1/19 to 8/31/20</i> | | <i>National Science Foundation</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gunning, William T. | Pathology, Department of | 50 | | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | 13 | | | |
| Co-I | Lind-Kovacs, Cora | Chemistry and Biochemistry, Department of | 12 | | | |
| Co-I | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | 12 | | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | 13 | | | |
| N-127676-01 | Regulation of epithelial junctions and lumen morphogenesis by the Scribble/SGEF/Dlg1 complex | No | \$216,690 | \$98,484 | \$315,174 | \$315,174 |
| <i>4/1/20 to 3/31/21</i> | | <i>National Institute of General Medical Sciences</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Garcia-Mata, Rafael | Biological Sciences, Department of | 100 | | | |
| Co-I | Goicoechea, Silvia M. | | | | | |

Natural Sciences & Mathematics, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|--|--|--------------------|----------------------|---------------------------|--------------------------|
| Biological Sciences, Department of | | | | | | |
| N-127701-01 | Molecular Marker for Centriole Remodeling in Bovine Reproduction | No | \$20,000 | \$0 | \$20,000 | \$20,000 |
| <i>9/1/19 to 8/31/21</i> | | <i>Select Sires Inc.</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Avidor-Reiss, Tomer | Biological Sciences, Department of | 100 | | | |
| N-128361-01 | Expanding the SCOPE of Science Classes through Cyber-Enabled Instrumentation | No | \$27,830 | \$5,566 | \$33,396 | \$10,019 |
| <i>6/1/20 to 6/30/21</i> | | <i>American Society for Cell Biology</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Garcia-Mata, Rafael | Biological Sciences, Department of | 15 | | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | 15 | | | |
| Co-I | Kirschbaum, Kristin | Instrumentation Center | 70 | | | |
| R-126039-02 | Development of a Standard Silicon Grow-Out Method to Determine Plant-Available Silicon from Various Fertilizers | No | \$104,242 | \$52,117 | \$156,359 | \$156,359 |
| <i>5/1/19 to 11/18/21</i> | | <i>Plant Tuff, Inc.</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Zellner, Wendy L. | Biological Sciences, Department of | 100 | | | |
| R-127701-02 | Molecular Marker for Centriole Remodeling in Bovine Reproduction | No | \$20,000 | \$0 | \$20,000 | \$20,000 |
| <i>9/1/20 to 8/31/21</i> | | <i>Select Sires Inc.</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Avidor-Reiss, Tomer | Biological Sciences, Department of | 100 | | | |
| S-127305-01-S1 | Regulation of MLK3 by LATS | No | \$105,120 | \$52,946 | \$158,066 | \$158,066 |
| <i>3/1/20 to 8/31/20</i> | | <i>National Cancer Institute</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Chadee, Deborah N. | Biological Sciences, Department of | 100 | | | |
| S-127676-01-S1 | Regulation of epithelial junctions and lumen morphogenesis by the Scribble/SGEF/Dlg1 complex | No | \$150,024 | \$0 | \$150,024 | \$150,024 |
| <i>4/1/20 to 3/31/21</i> | | <i>National Institute of General Medical Sciences</i> | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Garcia-Mata, Rafael | Biological Sciences, Department of | 100 | | | |
| | | Sum of Department (Biological Sciences, Department of) | | | Award Count: 16.33 | \$3,278,304 |
| Chemistry and Biochemistry, Department of | | | | | | |
| C-123393-06 | Trehalose and Mycolic Acid Use in Mycobacteria | No | \$293,862 | \$145,462 | \$439,324 | \$439,324 |
| <i>7/1/19 to 6/30/20</i> | | <i>National Institute of Allergy & Infectious Diseases & 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 | Suheck, Steven Joseph | Chemistry and Biochemistry, Department of | 50 | | | |

Natural Sciences & Mathematics, College of

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|---|---|-------------|-----------------|-------------|-------------------|
| Chemistry and Biochemistry, Department of | | | | | | |
| C-125732-04 | Counter Regulatory Mechanisms of Cardiotonic Steroids in Cardio-Renal Syndrome | No | \$250,000 | \$128,750 | \$378,750 | \$37,875 |
| <i>4/1/20 to 3/31/21 National Heart, Lung & Blood Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Kennedy, David Joseph | Medicine, Department of | | 90 | | |
| Co-I | Haller, Steven T. | Medicine, Department of | | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 5 | | |
| Co-I | Zhu, Jianglong | Chemistry and Biochemistry, Department of | | 5 | | |
| N-126842-01 | Late Stage Derivatization of Complex Molecules via Hydrogen Bond-Directed C-H Functionalization | No | \$300,000 | \$150,594 | \$450,594 | \$450,594 |
| <i>8/1/19 to 7/31/22 National Institute of General Medical Sciences</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Young, Michael Christopher | Chemistry and Biochemistry, Department of | | 100 | | |
| N-127342-01 | Fundamental study of synthetic and transformational reactions of molecular silver and gold nanoparticles | No | \$179,946 | \$90,054 | \$270,000 | \$270,000 |
| <i>8/15/19 to 7/31/22 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 | | |
| N-127410-01 | MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$545,650 | \$0 | \$545,650 | \$65,478 |
| <i>9/1/19 to 8/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Gunning, William T. | Pathology, Department of | | 50 | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | | 13 | | |
| Co-I | Lind-Kovacs, Cora | Chemistry and Biochemistry, Department of | | 12 | | |
| Co-I | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | | 12 | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | | 13 | | |
| N-127518-01 | Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity | No | \$405,151 | \$145,076 | \$550,227 | \$247,602 |
| <i>1/1/20 to 12/31/20 National Institute of Allergy & Infectious Diseases</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sucheck, Steven Joseph | Chemistry and Biochemistry, Department of | | 45 | | |
| PI/PD | Wall, Katherine Ann | Medicinal and Biological Chemistry, Department of | | 38 | | |
| Co-I | Prestwich, Erin G. | Medicinal and Biological Chemistry, Department of | | 17 | | |

Natural Sciences & Mathematics, College of

This report does **not** show all projects that were active in FY20. 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> |
|--|---|--|--------------------|----------------------|--------------------|--------------------------|
| Chemistry and Biochemistry, Department of | | | | | | |
| N-127522-01 | Development of analytical methods for complex matrices using matrix-compatible SPME fibers | No | \$26,756 | \$13,244 | \$40,000 | \$40,000 |
| <i>9/1/19 to 8/31/21 Supelco</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Gionfriddo, Emanuela | Chemistry and Biochemistry, Department of | | | 100 | |
| N-127616-01 | On-site and in laboratory quantitative analysis of pharmaceuticals and PFAS in fish by solid-phase microextraction technology coupled to mass spectrometry | No | \$40,115 | \$19,857 | \$59,972 | \$59,972 |
| <i>2/1/20 to 1/31/21 National Oceanic and Atmospheric Administration through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Gionfriddo, Emanuela | Chemistry and Biochemistry, Department of | | | 100 | |
| N-127617-01 | High-throughput analysis of human toxicity and therapeutics targets of emergent chemicals of concern across gut, liver, and kidney systems in health and disease | No | \$37,834 | \$20,240 | \$58,074 | \$2,904 |
| <i>2/1/20 to 1/31/21 U.S. Department of Commerce through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | | 48 | |
| PI/PD | Kennedy, David Joseph | Medicine, Department of | | | 47 | |
| Co-I | Blomquist, Thomas M. | Pathology, Department of | | | | |
| Co-I | Gohara, Amira | Pathology, Department of | | | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | | 5 | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | | | |
| N-127742-01 | Development of Hot Non-Vitiated Air for Hypersonic Testing | No | \$457,786 | \$195,052 | \$652,838 | \$228,493 |
| <i>3/25/20 to 1/24/21 Office of Naval Research through Teledyne</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Huebner, Steven Roy | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 43 | |
| Co-I | Alba Rubio, Ana Carolina | Chemical Engineering, Department of | | | 15 | |
| Co-I | Cioc, Sorin | Mechanical, Industrial, and Manufacturing Engineering, Department of | | | 7 | |
| Co-I | Mason, Mark R. | Chemistry and Biochemistry, Department of | | | 35 | |
| N-127795-01 | Iron-Catalyzed Cross-Coupling of Heterocycles | No | \$25,000 | \$0 | \$25,000 | \$25,000 |
| <i>10/1/19 to 6/30/20 American Chemical Society</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Mason, Mark R. | Chemistry and Biochemistry, Department of | | | 100 | |
| N-127952-03 | Novel methods and Technologies for Synthesis of Biomedically Relevant Carbohydrates | No | \$161,842 | \$76,875 | \$238,717 | \$238,717 |
| <i>8/1/19 to 6/30/20 National Institutes of Health through University of Georgia at Athens</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Andreana, Peter R. | Chemistry and Biochemistry, Department of | | | 100 | |

Natural Sciences & Mathematics, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|---|--|--------------------|----------------------|--------------------|--------------------------|
| Chemistry and Biochemistry, Department of | | | | | | |
| N-128149-01 | Mycobacterial trehalose metabolism as drug targets | No | \$69,099 | \$34,204 | \$103,303 | \$103,303 |
| <i>3/18/20 to 6/30/20</i> | <i>National Institute of Allergy & Infectious Diseases through University of Nebraska Medical Center</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sucheck, Steven Joseph | Chemistry and Biochemistry, Department of | | 100 | | |
| N-128152-01 | HABRI: Deep Phenotyping of Human Organ Biobank Specimens for Cyanotoxin Exposure in At- Risk Populations | No | \$217,897 | \$0 | \$217,897 | \$10,895 |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | 35 | | |
| Co-I | Gohara, Amira | Pathology, Department of | | 5 | | |
| Co-I | Hammersley, Jeffrey | Medicine, Department of | | 5 | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 5 | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | 35 | | |
| Co-I | Malhotra, Deepak K. | Medicine, Department of | | 5 | | |
| Co-I | Mukundan, Deepa | Pediatrics, Department of | | 5 | | |
| Co-I | Willey, James | Medicine, Department of | | 5 | | |
| N-128154-01 | HABRI: Microcystin Degrading Bacteria as a Novel Therapy for Microcystin Exposure and Hepatotoxicity | No | \$192,789 | \$0 | \$192,789 | \$9,639 |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Haller, Steven T. | Medicine, Department of | | 35 | | |
| Co-I | Gohara, Amira | Pathology, Department of | | 5 | | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | 5 | | |
| Co-I | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 5 | | |
| Co-I | Kang, Dae Wook | Civil & Environmental Engineering, Department of | | 5 | | |
| Co-I | Kennedy, David Joseph | Medicine, Department of | | 35 | | |
| Co-I | Modyanov, Nikolai | Physiology & Pharmacology, Department of | | 5 | | |
| Co-I | Seo, Youngwoo | Civil & Environmental Engineering, Department of | | 5 | | |
| N-128363-01 | Harmful Algae Microbiome | No | \$33,445 | \$16,555 | \$50,000 | \$30,000 |
| <i>6/30/20 to 9/30/20</i> | <i>U.S. Department of Energy through Lawrence Livermore National Laboratory</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | 60 | | |
| Co-I | Bridgeman, Thomas B. | Lake Erie Soil and Water Research and Education Center | | 40 | | |
| Sum of Department (Chemistry and Biochemistry, Departm) | | | | | | Award Count: 9.77 |
| | | | | | | \$2,259,796 |

Environmental Sciences, Department of

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> |
|--|---|---------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Environmental Sciences, Department of | | | | | | |
| C-125801-04 | Examination of Factors Influencing Lake Whitefish Recruitment in the Detroit River and Western Lake Erie | No | \$170,213 | \$29,787 | \$200,000 | \$200,000 |
| <i>8/1/19 to 7/31/21 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 | | |
| C-126353-02 | Modeling the Response of Fish and Benthic Invertebrate Responses to Changes in Stream Flow and Land Use in the Cape Fear And Yadkin/Pee Dee River Basins | No | \$9,389 | \$1,643 | \$11,032 | \$11,032 |
| <i>7/1/17 to 9/30/20 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Qian, Song S. | Environmental Sciences, Department of | | 100 | | |
| C-126439-03 | Grass Carp Spawning Potential in the Sandusky River | No | \$86,661 | \$15,166 | \$101,827 | \$101,827 |
| <i>9/15/19 to 9/14/21 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Qian, Song S. | Environmental Sciences, Department of | | 50 | | |
| Co-I | Mayer, Christine Marie | Environmental Sciences, Department of | | 50 | | |
| C-127220-01-I01 | Gray Vireo Demography | No | \$3,968 | \$1,032 | \$5,000 | \$5,000 |
| <i>12/10/18 to 12/31/19 U.S. Fish and Wildlife Service through New Mexico Dept. of Game and Fish</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Streby, Henry M. | Environmental Sciences, Department of | | 100 | | |
| C-127220-02 | Gray Vireo Demography | No | \$17,248 | \$4,484 | \$21,732 | \$21,732 |
| <i>1/1/20 to 12/31/20 U.S. Fish and Wildlife Service through New Mexico Dept. of Game and Fish</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Streby, Henry M. | Environmental Sciences, Department of | | 100 | | |
| Stdnt Schol | Glanville, Kandace | Environmental Sciences, Department of | | | | |
| Stdnt Schol | Kammerichs-Berke, Deven | Environmental Sciences, Department of | | | | |
| Stdnt Schol | Stephens, Gage | Environmental Sciences, Department of | | | | |
| C-127391-02 | Identification of Optimal Sites for Maumee AOC Restoration Actions in the Lower Maumee River | No | \$123,671 | \$20,977 | \$144,648 | \$144,648 |
| <i>3/18/20 to 3/19/21 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Hintz, William | Environmental Sciences, Department of | | 50 | | |
| Co-I | Crail, Todd | Environmental Sciences, Department of | | 25 | | |
| Co-I | Mayer, Christine Marie | Environmental Sciences, Department of | | 25 | | |

Natural Sciences & Mathematics, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|---|---------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Environmental Sciences, Department of | | | | | | |
| N-127213-01 | Biological and Geochemical Controls on Phosphorus Bioavailability in Arctic Tundra | No | \$201,457 | \$83,147 | \$284,604 | \$284,604 |
| <i>11/1/19 to 10/31/22 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Weintraub, Michael N. | Environmental Sciences, Department of | | | 100 | |
| N-127524-01 | Assessment of Sandusky River habitat for walleye spawning | No | \$65,329 | \$3,789 | \$69,118 | \$69,118 |
| <i>7/1/19 to 6/30/20 U.S. Fish and Wildlife Service through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Bossenbroek, Jonathan | Environmental Sciences, Department of | | | 34 | |
| Co-I | Crail, Todd | Environmental Sciences, Department of | | | 32 | |
| Co-I | Mayer, Christine Marie | Environmental Sciences, Department of | | | 34 | |
| N-127589-01 | Assessing the impact of shore management on the resilience of coastal environmental microbiomes | No | \$40,134 | \$19,866 | \$60,000 | \$60,000 |
| <i>2/1/20 to 1/31/21 National Oceanic and Atmospheric Administration through Ohio Sea Grant Program</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Spanbauer, Trisha | Environmental Sciences, Department of | | | 85 | |
| Co-I | Becker, Richard | Environmental Sciences, Department of | | | 15 | |
| N-127660-01 | Forecasting the Risk of High Microcystin Exposure in Western Lake Erie Using Routine Monitoring Data | No | \$23,211 | \$6,035 | \$29,246 | \$29,246 |
| <i>7/1/19 to 9/30/20 National Oceanic and Atmospheric Administration through University of Michigan</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Qian, Song S. | Environmental Sciences, Department of | | | 100 | |
| N-127705-01 | Foodweb Dynamics in Western Lake Erie Associated with CSMI Sampling | No | \$191,489 | \$33,511 | \$225,000 | \$225,000 |
| <i>9/15/19 to 9/14/21 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Mayer, Christine Marie | Environmental Sciences, Department of | | | 50 | |
| Co-I | DeBruyne, Robin | Environmental Sciences, Department of | | | 50 | |
| N-127766-01 | Building Resilient Shorelines-Phase IV | No | \$27,288 | \$2,729 | \$30,017 | \$30,017 |
| <i>7/1/19 to 6/30/20 National Oceanic and Atmospheric Administration through Ohio Department of Natural Resources</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Becker, Richard | Environmental Sciences, Department of | | | 25 | |
| Co-I | Bossenbroek, Jonathan | Environmental Sciences, Department of | | | 25 | |
| Co-I | Mayer, Christine Marie | Environmental Sciences, Department of | | | 25 | |
| Co-I | Qian, Song S. | Environmental Sciences, Department of | | | 25 | |

Natural Sciences & Mathematics, College of

This report does **not** show all projects that were active in FY20. 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> |
|--|--|---------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Environmental Sciences, Department of | | | | | | |
| N-127785-01 | Investigating leaf angle response to temperature and carbon dioxide | No | \$179,635 | \$14,163 | \$193,798 | \$193,798 |
| <i>8/1/19 to 7/31/22 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 | | | |
| N-127833-01 | Transitioning to a Long-Term Ecosystem Monitoring Program in the St. Clair-Detroit River System | No | \$255,319 | \$44,681 | \$300,000 | \$300,000 |
| <i>9/15/19 to 9/14/21 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Mayer, Christine Marie | Environmental Sciences, Department of | 50 | | | |
| Co-PI | DeBruyne, Robin | Environmental Sciences, Department of | 50 | | | |
| N-127902-01 | Celebrate 100 Grant program | No | \$9,720 | \$0 | \$9,720 | \$9,720 |
| <i>9/1/19 to 10/31/20 American Geophysical Union</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Doro, Kennedy Okioghene | Environmental Sciences, Department of | 100 | | | |
| N-127978-01 | Dissolved Phosphate and Nitrogen Analyses of Soil Resin Strip Extracts | No | \$1,396 | \$454 | \$1,850 | \$1,850 |
| <i>11/1/19 to 10/31/20 University of Notre Dame</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Weintraub, Michael N. | Environmental Sciences, Department of | 100 | | | |
| N-128087-01 | Surficial Geology Mapping of Glacial Lake Agassiz Strandlines, Polk County, Minnesota, dated 11/18/2019 | No | \$14,830 | \$2,669 | \$17,499 | \$17,499 |
| <i>5/1/20 to 4/30/21 U.S. Geological Survey</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Fisher, Timothy G. | Environmental Sciences, Department of | 100 | | | |
| N-128090-01 | How much is too much?: Assessing the microcystin inhalation risk to shoreline populations | No | \$102,476 | \$0 | \$102,476 | \$30,743 |
| <i>1/1/20 to 6/30/21 Ohio Department of Higher Education through Ohio State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Ames, April L. | School of Population Health | 30 | | | |
| Co-I | Dwyer, Daryl | Environmental Sciences, Department of | 15 | | | |
| Co-I | Saltzman, Barbara | School of Population Health | 20 | | | |
| Co-I | Sigler, William | Environmental Sciences, Department of | 15 | | | |
| Co-I | Valigosky, Michael | School of Population Health | 20 | | | |

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> |
|---|---|--|--------------------|----------------------|--------------------|---------------------------|
| Environmental Sciences, Department of | | | | | | |
| N-128148-01 | Removal of invasive grass carp from Lake Erie and tributaries: targeted collection and modeling to improve catch | No | \$458,849 | \$25,985 | \$484,834 | \$484,834 |
| <i>2/18/20 to 6/30/21</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 | |
| N-128157-01 | The role of foreshore sands in human exposure to microcystin | No | \$100,274 | \$0 | \$100,274 | \$70,192 |
| <i>1/1/20 to 6/30/21</i> | <i>Ohio Department of Higher Education through Ohio State University</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Sigler, William | Environmental Sciences, Department of | | | 70 | |
| Co-I | Huntley, Jason F. | Med Microbiology & Immunology, Department of | | | 30 | |
| N-128267-01 | Grass carp removal from Lake Erie and tributaries | No | \$453,173 | \$22,659 | \$475,832 | \$475,832 |
| <i>3/15/20 to 2/28/21</i> | <i>Great Lakes Fishery Commission</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Mayer, Christine Marie | Environmental Sciences, Department of | | | 25 | |
| Co-I | Bossenbroek, Jonathan | Environmental Sciences, Department of | | | 25 | |
| Co-I | Hintz, William | Environmental Sciences, Department of | | | 25 | |
| Co-I | Qian, Song S. | Environmental Sciences, Department of | | | 25 | |
| N-128415-01 | Assessing ACPs for Nutrient Removal Effectiveness | No | \$45,000 | \$5,000 | \$50,000 | \$50,000 |
| <i>7/13/20 to 6/30/21</i> | <i>Ohio Lake Erie Commission</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Qian, Song S. | Environmental Sciences, Department of | | | 100 | |
| N-128416-01 | Wetlands' soil properties, hydrology, and nutrients retention capacity | No | \$44,759 | \$4,973 | \$49,732 | \$49,732 |
| <i>7/15/20 to 6/30/21</i> | <i>Ohio Lake Erie Commission</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Doro, Kennedy Okioghene | Environmental Sciences, Department of | | | 60 | |
| Co-I | Qian, Song S. | Environmental Sciences, Department of | | | 40 | |
| R-123614-08 | Research Support Agreement-Acquisition of Goods and Services | No | \$8,000 | \$800 | \$8,800 | \$8,800 |
| <i>8/15/19 to 8/14/21</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 | Kohart, Corbin Joseph | Environmental Sciences, Department of | | | | |
| Sum of Department (Environmental Sciences, Department) | | | | | | Award Count: 23.00 |
| | | | | | | \$2,875,224 |

Instrumentation Center

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> | |
|--|---|--|--------------|--------------------|----------------------|--------------------|--------------------------|------------------|
| Instrumentation Center | | | | | | | | |
| N-128361-01 | Expanding the SCOPE of Science Classes through Cyber-Enabled Instrumentation | | No | \$27,830 | \$5,566 | \$33,396 | \$23,377 | |
| <i>6/1/20 to 6/30/21</i> | <i>American Society for Cell Biology</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Garcia-Mata, Rafael | Biological Sciences, Department of | | | 15 | | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | | | 15 | | | |
| Co-I | Kirschbaum, Kristin | Instrumentation Center | | | 70 | | | |
| Sum of Department (Instrumentation Center) | | | | | | | Award Count: 0.70 | \$23,377 |
| Lake Erie Soil and Water Research and Education Center | | | | | | | | |
| C-126208-02 | Lake Erie Center for Fresh Waters and Human Health--BGSU NIH subaward | | No | \$22,862 | \$10,859 | \$33,721 | \$33,721 | |
| <i>7/1/19 to 6/30/21</i> | <i>National Institutes of Health through Bowling Green State University</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Bridgeman, Thomas B. | Lake Erie Soil and Water Research and Education Center | | | 100 | | | |
| C-127386-02 | Lake Erie Center for Fresh Waters and Human Health--BGSU NSF subaward | | No | \$53,882 | \$25,594 | \$79,476 | \$79,476 | |
| <i>10/1/19 to 9/30/20</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 | | | |
| N-127580-01 | Portable toxin detection technology to support Great Lakes decision support tools | | No | \$77,119 | \$35,200 | \$112,319 | \$112,319 | |
| <i>9/1/19 to 8/31/21</i> | <i>National Oceanic and Atmospheric Administration 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 | | | |
| N-128363-01 | Harmful Algae Microbiome | | No | \$33,445 | \$16,555 | \$50,000 | \$20,000 | |
| <i>6/30/20 to 9/30/20</i> | <i>U.S. Department of Energy through Lawrence Livermore National Laboratory</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Isailovic, Dragan | Chemistry and Biochemistry, Department of | | | 60 | | | |
| Co-I | Bridgeman, Thomas B. | Lake Erie Soil and Water Research and Education Center | | | 40 | | | |
| Sum of Department (Lake Erie Soil and Water Research and) | | | | | | | Award Count: 3.40 | \$245,516 |
| Mathematics & Statistics, Department of | | | | | | | | |
| C-126135-03 | Bifurcation Theory and Applications in Mathematical Epidemiology | | No | \$28,000 | \$5,600 | \$33,600 | \$33,600 | |
| <i>9/1/19 to 8/31/22</i> | <i>Simons Foundation</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | | |
| PI/PD | Shan, Chunhua | Mathematics & Statistics, 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> |
|---|---|--|--------------------|----------------------|--------------------|--------------------------|
| Mathematics & Statistics, Department of | | | | | | |
| C-126323-03 | Choose Ohio First | No | \$116,250 | \$0 | \$116,250 | \$116,250 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Martin, Geoffrey K. | Mathematics & Statistics, Department of | | | 100 | |
| C-126325-03 | Choose Ohio First | No | \$30,420 | \$0 | \$30,420 | \$30,420 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Chen, Zhiwei | Mathematics & Statistics, Department of | | | 100 | |
| C-126572-03 | RUI: Algebraic, Differential-Geometric, and Computational Aspects of Darboux Transformations in Classical and Super Settings | No | \$11,911 | \$5,896 | \$17,807 | \$17,807 |
| <i>7/1/17 to 10/31/20 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 & Statistics, Department of | | | 100 | |
| N-127752-01 | Machine Learning and Network Science for Predicting Kidney Transplant Survival | No | \$183,561 | \$91,016 | \$274,577 | \$27,458 |
| <i>8/1/19 to 7/31/20 National Institutes of Health</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Xu, Kevin Shuai | Electrical Engineering and Computer Science, Department of | | | 65 | |
| Co-I | Chen, Tian | Mathematics & Statistics, Department of | | | 10 | |
| Co-I | Stepkowski, Stanislaw M. | Med Microbiology & Immunology, Department of | | | 25 | |
| Stdnt Schol | Rizvi, Nabah | Electrical Engineering and Computer Science, Department of | | | | |
| Sum of Department (Mathematics & Statistics, Department) Award Count: 4.10 | | | | | | \$225,535 |
| Physics and Astronomy, Department of | | | | | | |
| C-126169-03 | Vacuum UV Laboratory Study of the Photodissociation of CS, C2, and CH | No | \$8,368 | \$3,975 | \$12,343 | \$12,343 |
| <i>1/1/20 to 12/31/20 National Aeronautics and Space Administration through University of California at Davis</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Federman, Steven R. | Physics and Astronomy, Department of | | | 100 | |
| C-126327-03 | Choose Ohio First | No | \$120,776 | \$0 | \$120,776 | \$120,776 |
| <i>7/1/19 to 6/30/20 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 | |

Natural Sciences & Mathematics, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|--------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Physics and Astronomy, Department of | | | | | | |
| C-126335-01-S3 | Infrared Abundances and the Chemical Enrichment of the Universe--17-ADAP17-0205 | No | \$23,646 | \$11,231 | \$34,877 | \$34,877 |
| <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 | |
| C-126335-01-S4 | Infrared Abundances and the Chemical Enrichment of the Universe--17-ADAP17-0205 | No | \$71,116 | \$33,780 | \$104,896 | \$104,896 |
| <i>3/17/20 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 | |
| C-126340-01-I02 | A Spitzer, Herschel and WISE Census of Protostars within 500 pc of the Sun | No | \$62,722 | \$29,793 | \$92,515 | \$92,515 |
| <i>8/12/19 to 8/9/21 National Aeronautics and Space Administration</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Megeath, Samuel Thomas | Physics and Astronomy, Department of | | | 100 | |
| C-126340-02 | A Spitzer, Herschel and WISE Census of Protostars within 500 pc of the Sun | No | \$60,058 | \$28,528 | \$88,586 | \$88,586 |
| <i>8/10/19 to 8/9/21 National Aeronautics and Space Administration</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Megeath, Samuel Thomas | Physics and Astronomy, Department of | | | 100 | |
| C-126690-02-I01 | Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High Efficiency and Stable Photoelectrochemical Water Splitting | No | \$24,712 | \$12,233 | \$36,945 | \$36,945 |
| <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 | |
| C-126690-03 | Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High Efficiency and Stable Photoelectrochemical Water Splitting | No | \$46,823 | \$23,177 | \$70,000 | \$70,000 |
| <i>3/1/20 to 2/28/21 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 | |
| C-126760-02 | Bow-shocks and Jets in the Far-IR: Velocity Resolved | No | \$48,963 | \$24,237 | \$73,200 | \$73,200 |
| <i>11/7/19 to 12/11/20 Universities Space Research Association</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Megeath, Samuel Thomas | Physics and Astronomy, Department of | | | 100 | |

Natural Sciences & Mathematics, College of

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| | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|--------------------------------------|--------------|--------------------|----------------------|--------------------|------------------------------|
| Physics and Astronomy, Department of | | | | | | | |
| C-126958-02 | Center for Hybrid Organic-Inorganic Semiconductors for Energy (CHOISE) | | No | \$73,579 | \$36,421 | \$110,000 | \$110,000 |
| <i>8/28/19 to 1/8/23</i> | <i>U.S. Department of Energy through Alliance for Sustainable Energy LLC</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Yan, Yanfa | Physics and Astronomy, Department of | | | 100 | | |
| C-127223-02 | Development of Low Cost Materials and Devices for Flexible Tandem Space Solar Cells (ROSET) | | No | \$551,266 | \$272,876 | \$824,142 | \$824,142 |
| <i>5/28/20 to 7/18/24</i> | <i>Air Force Research Laboratory</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Ellingson, Randall J. | Physics and Astronomy, Department of | | | 21 | | |
| Co-PI | Amar, Jacques G. | Physics and Astronomy, Department of | | | | | |
| Co-I | Collins, Robert W. | Physics and Astronomy, Department of | | | 15 | | |
| Co-I | Heben, Michael J. | Physics and Astronomy, Department of | | | 21 | | |
| Co-I | Khare, Sanjay V. | Physics and Astronomy, Department of | | | | | |
| Co-I | Phillips, Adam B. | Physics and Astronomy, Department of | | | 13 | | |
| Co-I | Podraza, Nikolas Jacob | Physics and Astronomy, Department of | | | 15 | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | | | 15 | | |
| Stdnt Schol | Kadur, Chandan S. | | | | | | |
| Stdnt Schol | Mai, Ngoc Lien | | | | | | |
| D-126499-01 | The 6 pc DASH: A WFC3 1.6 micron Survey of the Orion Integral Shaped Filament | | No | \$(7,146) | \$(6,788) | \$(13,934) | \$(13,934) |
| <i>1/1/18 to 12/31/20</i> | <i>Space Telescope Science Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Megeath, Samuel Thomas | Physics and Astronomy, Department of | | | 100 | | |
| N-127136-01 | Investigation of Defect Physics for Efficient, Durable and Ubiquitous Perovskite Solar Cells | | No | \$59,266 | \$29,337 | \$88,603 | \$88,603 |
| <i>6/1/19 to 5/31/21</i> | <i>U.S. Department of Energy through University of California at Los Angeles</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | | |
| PI/PD | Yan, Yanfa | Physics and Astronomy, Department of | | | 100 | | |

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|---|--------------------|----------------------|--------------------|--------------------------|
| Physics and Astronomy, Department of | | | | | | |
| N-127223-01 | Development of Low Cost Materials and Devices for Flexible Tandem Space Solar Cells (ROSET) | No | \$4,540,886 | \$2,076,114 | \$6,617,000 | \$6,617,000 |
| <i>7/19/19 to 7/18/24 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 | 21 | | | |
| Co-I | Amar, Jacques G. | Physics and Astronomy, Department of | | | | |
| Co-I | Collins, Robert W. | Physics and Astronomy, Department of | 15 | | | |
| Co-I | Heben, Michael J. | Physics and Astronomy, Department of | 21 | | | |
| Co-I | Khare, Sanjay V. | Physics and Astronomy, Department of | | | | |
| Co-I | Phillips, Adam B. | Physics and Astronomy, Department of | 13 | | | |
| Co-I | Podraza, Nikolas Jacob | Physics and Astronomy, Department of | 15 | | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | 15 | | | |
| N-127252-01-I01 | Radiative Feedback from Massive Stars as Traced by Multiband Imaging and Spectroscopic Mosaics | No | \$14,949 | \$7,400 | \$22,349 | \$22,349 |
| <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 | | | |
| N-127320-01 | Quantum theories of atomic and molecular interactions, and their applications | No | \$68,636 | \$33,975 | \$102,611 | \$102,611 |
| <i>9/1/19 to 8/31/22 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gao, Bo | Physics and Astronomy, Department of | 100 | | | |
| N-127382-01 | Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies | No | \$16,787 | \$8,310 | \$25,097 | \$25,097 |
| <i>7/1/19 to 6/30/20 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 | | | |
| N-127410-01 | MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$545,650 | \$0 | \$545,650 | \$70,934 |
| <i>9/1/19 to 8/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gunning, William T. | Pathology, Department of | 50 | | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | 13 | | | |
| Co-I | Lind-Kovacs, Cora | Chemistry and Biochemistry, Department of | 12 | | | |
| Co-I | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | 12 | | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | 13 | | | |

Natural Sciences & Mathematics, College of

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|--|---|--------------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Physics and Astronomy, Department of | | | | | | |
| N-127456-01 | Physics Testing Services Expedited Process Accounts | Yes | \$1,886 | \$613 | \$2,499 | \$2,499 |
| <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 | | | | |
| Co-PI | Heben, Michael J. | Physics and Astronomy, Department of | 100 | | | |
| N-127710-01 | Perovskite/Perovskite Tandem Photoelectrodes For Low-Cost Unassisted Photoelectrochemical Water Splitting | No | \$167,225 | \$82,775 | \$250,000 | \$250,000 |
| <i>10/1/19 to 11/30/20 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 | 80 | | | |
| Co-I | Song, Zhaoning | Physics and Astronomy, Department of | 20 | | | |
| N-127720-01 | Two Decades of Protostellar Variability in the IR: An ISO, Herschel, Spitzer, SOFIA and NEOWISE Archival Study | No | \$50,975 | \$25,233 | \$76,208 | \$76,208 |
| <i>1/1/20 to 12/31/20 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 | | | |
| N-127720-01-I01 | Two Decades of Protostellar Variability in the IR: An ISO, Herschel, Spitzer, SOFIA and NEOWISE Archival Study | No | \$50,975 | \$25,232 | \$76,207 | \$76,207 |
| <i>1/1/20 to 12/31/20 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 | | | |
| N-127790-01 | Back-Contact Interface Engineering for Higher Efficiency CdTe PV | No | \$534,205 | \$267,144 | \$801,349 | \$801,349 |
| <i>3/1/20 to 5/31/22 U.S. Department of Energy through Colorado State University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Heben, Michael J. | Physics and Astronomy, Department of | 20 | | | |
| Co-I | Ellingson, Randall J. | Physics and Astronomy, Department of | 20 | | | |
| Co-I | Phillips, Adam B. | Physics and Astronomy, Department of | 20 | | | |
| Co-I | Podraza, Nikolas Jacob | Physics and Astronomy, Department of | 20 | | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | 20 | | | |
| N-127804-01 | Toward Low-Cost, Efficient and Stable Perovskite Thin-Film Modules | No | \$706,486 | \$280,671 | \$987,157 | \$987,157 |
| <i>4/1/20 to 3/31/21 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 | 52 | | | |
| Co-I | Ellingson, Randall J. | Physics and Astronomy, Department of | 16 | | | |
| Co-I | Heben, Michael J. | Physics and Astronomy, Department of | 16 | | | |
| Co-I | Podraza, Nikolas Jacob | Physics and Astronomy, Department of | 16 | | | |

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| | | Cash? | Direct Cost | Indirect Cost | Total Award | Dept Award Credit |
|---|---|--|-------------|---------------|-----------------|-------------------|
| Physics and Astronomy, Department of | | | | | | |
| N-127831-01 | Improved Constraints on Grain Growth from a Survey of Phosphorus and Chlorine Depletions in the Diffuse ISM | No | \$10,435 | \$5,165 | \$15,600 | \$15,600 |
| <i>12/1/19 to 11/30/22 Space Telescope Science Institute</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Federman, Steven R. | Physics and Astronomy, Department of | | | 100 | |
| N-127974-01 | Targeting fiber quality attributes for the fiber of the future | No | \$8,696 | \$1,304 | \$10,000 | \$10,000 |
| <i>1/1/20 to 12/31/20 Cotton, Incorporated through Texas Tech University</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Ray, Aniruddha | Physics and Astronomy, Department of | | | 100 | |
| N-128336-01 | Fabrication of 12 VO2 Films on 4" Wafers for NVL | No | \$11,909 | \$5,895 | \$17,804 | \$17,804 |
| <i>3/13/20 to 11/16/20 U.S. Army Research, Development and Engineering Command</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Podraza, Nikolas Jacob | Physics and Astronomy, Department of | | | 100 | |
| N-128383-01 | Unlocking Far-Infrared Metal Abundances in NGC628 | No | \$78,140 | \$39,460 | \$117,600 | \$117,600 |
| <i>4/23/20 to 4/22/22 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 | Smith, John-David T. | Physics and Astronomy, Department of | | | 100 | |
| N-128396-01 | Improving Durability in the Next Generation of Photovoltaic Materials Through Discovery and Mitigation of Interface-Based Degradation Mechanisms | No | \$40,134 | \$19,866 | \$60,000 | \$60,000 |
| <i>6/3/20 to 9/30/20 U.S. Department of Energy through Lawrence Livermore National Laboratory</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Yan, Yanfa | Physics and Astronomy, Department of | | | 50 | |
| Co-I | Ellingson, Randall J. | Physics and Astronomy, Department of | | | 50 | |
| N-128403-01 | Seed Program: Investigation of Power Electronics and Control Systems for Nuclear/Renewable Energy Parks | No | \$41,472 | \$20,528 | \$62,000 | \$31,000 |
| <i>4/21/20 to 9/30/20 U.S. Department of Energy through Idaho National Labs</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | <u>% Credit</u> | |
| PI/PD | Khanna, Raghav | Electrical Engineering and Computer Science, Department of | | | 50 | |
| Co-I | Heben, Michael J. | Physics and Astronomy, Department of | | | 50 | |
| Stdnt Schol | McCaskey, Cameron Douglas | | | | | |
| Stdnt Schol | McGowan, Pierce M. | | | | | |

Natural Sciences & Mathematics, College of

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|---|--|--------------------------------------|---------------------------|----------------------|--------------------|--------------------------|
| Physics and Astronomy, Department of | | | | | | |
| S-126499-01-S2 | The 6 pc DASH: A WFC3 1.6 micron Survey of the Orion Integral Shaped Filament | No | \$10,970 | \$5,429 | \$16,399 | \$16,399 |
| <i>1/1/18 to 12/31/20</i> | <i>Space Telescope Science Institute</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Megeath, Samuel Thomas | Physics and Astronomy, Department of | | 100 | | |
| Sum of Department (Physics and Astronomy, Department of) | | | Award Count: 29.63 | | | \$10,942,763 |
| Sum of College (Natural Sciences & Mathematics, College) | | | Award Count: 86.93 | | | \$19,850,515 |

Nursing, College of

This report does **not** show all projects that were active in FY20. 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> |
|----------------------------|---|-----------------------------------|--------------------|----------------------|--------------------|--------------------------|
| Nursing, College of | | | | | | |
| C-126723-03 | Choose Ohio First - Nursing | No | \$10,000 | \$0 | \$10,000 | \$10,000 |
| <i>7/1/19 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 | Lewandowski, Linda A. | Nursing, College of | | 100 | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | No | \$114,325 | \$9,147 | \$123,472 | \$37,042 |
| <i>9/30/19 to 9/29/20</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 | | |
| N-127708-01 | Increasing Enrollment in the University of Toledo's Competency-Based (CBE) RN to BSN Program | No | \$101,636 | \$51,375 | \$153,011 | \$153,011 |
| <i>9/1/19 to 8/31/21</i> | <i>Ohio Board of Nursing</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sexton, Martha | Nursing, College of | | 55 | | |
| Co-I | Mitchell, Kathleen M. | Nursing, College of | | 45 | | |

Nursing, College of

This report does **not** show all projects that were active in FY20. 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> |
|---|---|------------------------------|--------------------|--------------------------|--------------------|------------------------------|
| Nursing, College of | | | | | | |
| N-127900-01 | The effect of the Bionix SafeStraw™ on symptoms of dysphagia among patients undergoing swallow study | No | \$8,870 | \$4,210 | \$13,080 | \$13,080 |
| <i>10/21/19 to 10/20/20 Bionix</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Topp, Robert Vincent | Nursing, College of | | 100 | | |
| N-127970-01 | In vitro and in vivo testing of the Beat Analytics System of continuous patient monitoring | No | \$42,008 | \$17,124 | \$59,132 | \$59,132 |
| <i>1/3/20 to 1/2/21 Darroch Medical Solutions</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Topp, Robert Vincent | Nursing, College of | | 100 | | |
| Co-I | Burks, Nathan Allen | Advanced Clinical Simulation | | | | |
| Co-I | Chen, Yixing | Advanced Clinical Simulation | | | | |
| Sum of Department (Nursing, College of) | | | | Award Count: 4.30 | | \$272,265 |
| Sum of College (Nursing, College of) | | | | Award Count: 4.30 | | \$272,265 |

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|--|---|--------------------|----------------------|--------------------|------------------------------|
| Medicinal and Biological Chemistry, Department of | | | | | | |
| C-125945-03 | Choose Ohio First for Excellence in the Pharmaceutical Sciences (COFEPS) | No | \$67,600 | \$0 | \$67,600 | \$67,600 |
| <i>7/1/19 to 6/30/20 Ohio Department of Higher Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Slama, James T. | Medicinal and Biological Chemistry, Department of | | 100 | | |
| C-126111-03 | Development of Attenuated Furoxans as Novel Therapies for Alzheimer's Disease | No | \$250,000 | \$135,208 | \$385,208 | \$385,208 |
| <i>3/15/20 to 1/31/21 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 | Madhavaram, Anvitha R. | | | | | |
| Stdnt Schol | Sood, Ambika | | | | | |
| Stdnt Schol | Zajac, Kelsee Keyshu | | | | | |

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY20. This report shows only new and on-going projects with **new** funds, i.e. not reported in a previous fiscal year.

| | | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> | |
|--|--|---|--------------|--------------------|----------------------|--------------------|--------------------------|--------------------|
| Medicinal and Biological Chemistry, Department of | | | | | | | | |
| N-127340-01 | Creation of Tools for the Determination of the Impact of Natural Modifications on RNA Damage | | No | \$486,490 | \$113,510 | \$600,000 | \$600,000 | |
| <i>8/1/19 to 7/31/22</i> | <i>National Science Foundation</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Bryant-Friedrich, Amanda C. | Medicinal and Biological Chemistry, Department of | | | | 100 | | |
| N-127518-01 | Methods to synthesize oligosaccharide-fusion protein conjugates and enhancement of their antigenicity | | No | \$405,151 | \$145,076 | \$550,227 | \$302,625 | |
| <i>1/1/20 to 12/31/20</i> | <i>National Institute of Allergy & Infectious Diseases</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Sucheck, Steven Joseph | Chemistry and Biochemistry, Department of | | | | 45 | | |
| PI/PD | Wall, Katherine Ann | Medicinal and Biological Chemistry, Department of | | | | 38 | | |
| Co-I | Prestwich, Erin G. | Medicinal and Biological Chemistry, Department of | | | | 17 | | |
| N-127575-01-A1 | Cofilin Signaling in Hemorrhagic Stroke | | No | \$250,000 | \$136,250 | \$386,250 | \$386,250 | |
| <i>6/15/20 to 3/31/21</i> | <i>National Institute of Neurological Disorders and Stroke</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Shah, Zahoor | Medicinal and Biological Chemistry, Department of | | | | 90 | | |
| Co-I | Tillekeratne, Liyanaratchige | Medicinal and Biological Chemistry, Department of | | | | 10 | | |
| N-128132-01 | Scholarship Fund | | No | \$12,000 | \$0 | \$12,000 | \$1,200 | |
| <i>7/30/19 to 7/29/24</i> | <i>Telangana Social Welfare Residential Educational Institutions Society</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | | | | 40 | | |
| Co-I | Hall, Frank | Pharmacology & Experimental Therapeutics, Department of | | | | 40 | | |
| Co-I | McInerney, Marcia | Medicinal and Biological Chemistry, Department of | | | | 10 | | |
| Co-I | Williams, Frederick E. | Pharmacology & Experimental Therapeutics, Department of | | | | 10 | | |
| S-126111-02-S1 | Development of Attenuated Furoxans as Novel Therapies for Alzheimer's Disease | | No | \$219,962 | \$117,679 | \$337,641 | \$84,410 | |
| <i>9/1/19 to 1/31/20</i> | <i>National Institute on Aging</i> | | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | | | <u>% Credit</u> | | |
| PI/PD | Schiefer, Isaac T. | Medicinal and Biological Chemistry, Department of | | | | 25 | | |
| Co-I | McCullumsmith, Robert E. | Neurosciences, Department of | | | | 75 | | |
| Sum of Department (Medicinal and Biological Chemistry, D | | | | | | | Award Count: 4.90 | \$1,827,293 |

Pharmacology & Experimental Therapeutics, Department of

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|---|--|---|-------------|-----------------|-------------|-------------------|
| Pharmacology & Experimental Therapeutics, Department of | | | | | | |
| C-126183-02 | High throughput approaches to determining the lethality of synthetic psychoactive cathinones using Danio rerio larvae | No | \$50,000 | \$26,750 | \$76,750 | \$7,675 |
| <i>7/1/19 to 6/30/21 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 & Experimental Therapeutics, Department of | | 10 | | |
| Stdnt Schol | Elhag, Raghad Abedelmagid | Pharmacy Practice, Department of | | | | |
| Stdnt Schol | Heeren, Sasha Heather | Pharmacy Practice, Department of | | | | |
| C-127153-02 | Pre-doc Fellowship for Hannah Saternos : Role of ciliary muscarinic acetylcholine receptor 3 in hypertension in Polycystic Kidney Disease | No | \$26,844 | \$0 | \$26,844 | \$26,844 |
| <i>1/1/20 to 12/31/20 American Heart Association - National</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| Co-I | Joe, Bina | Physiology & Pharmacology, Department of | | | | |
| N-127410-01 | MRI: Acquisition of a Transmission Electron Microscope for Research and Research Training | No | \$545,650 | \$0 | \$545,650 | \$65,478 |
| <i>9/1/19 to 8/31/20 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Gunning, William T. | Pathology, Department of | | 50 | | |
| Co-I | Avidor-Reiss, Tomer | Biological Sciences, Department of | | 13 | | |
| Co-I | Lind-Kovacs, Cora | Chemistry and Biochemistry, Department of | | 12 | | |
| Co-I | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | | 12 | | |
| Co-I | Yan, Yanfa | Physics and Astronomy, Department of | | 13 | | |
| N-127438-01 | Effects of chronic inhalation of electronic cigarette vapor containing nicotine on the levels of neurotransmitters in the brain | No | \$13,303 | \$0 | \$13,303 | \$13,303 |
| <i>3/1/19 to 8/14/20 King Saud University through University of Toledo Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Sari, Youssef | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| N-128132-01 | Scholarship Fund | No | \$12,000 | \$0 | \$12,000 | \$10,800 |
| <i>7/30/19 to 7/29/24 Telangana Social Welfare Residential Educational Institutions Society</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | | <u>% Credit</u> | | |
| PI/PD | Tiwari, Amit K. | Pharmacology & Experimental Therapeutics, Department of | | 40 | | |
| Co-I | Hall, Frank | Pharmacology & Experimental Therapeutics, Department of | | 40 | | |
| Co-I | McInerney, Marcia | Medicinal and Biological Chemistry, Department of | | 10 | | |
| Co-I | Williams, Frederick E. | Pharmacology & Experimental Therapeutics, Department of | | 10 | | |

Pharmacy & Pharmaceutical Sciences, College of

This report does **not** show all projects that were active in FY20. 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 |
|--|--|---|-------------|---------------|-------------|-------------------|
| Pharmacology & Experimental Therapeutics, Department of | | | | | | |
| N-128309-01 | AFPE Scholarship--Raghad Buqaileh | No | \$5,000 | \$0 | \$5,000 | \$5,000 |
| 6/30/20 to 6/30/21 American Foundation for Pharmaceutical Education | | | | | | |
| Role | Name | Department | | % Credit | | |
| PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| Stdnt Schol | Buqaileh, Raghad J. | Pharmacy Practice, Department of | | | | |
| S-126205-01-S1 | Muscarinic receptors signaling interplay between Alzheimer's disease and hypertension | No | \$100,000 | \$53,500 | \$153,500 | \$153,500 |
| 9/9/19 to 12/31/20 National Heart, Lung & Blood Institute | | | | | | |
| Role | Name | Department | | % Credit | | |
| PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| S-126205-01-S2 | Effect of muscarinic receptor agonist on cilia sensory function and structure | No | \$22,240 | \$11,972 | \$34,212 | \$34,212 |
| 3/15/20 to 11/30/20 National Heart, Lung & Blood Institute | | | | | | |
| Role | Name | Department | | % Credit | | |
| PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| Stdnt Schol | Aranda, Arianna Isabel | | | | | |
| S-126205-01-S3 | Role of muscarinic receptor antagonist in primary cilia structure | No | \$22,240 | \$11,992 | \$34,232 | \$34,232 |
| 5/1/20 to 12/31/20 National Heart, Lung & Blood Institute | | | | | | |
| Role | Name | Department | | % Credit | | |
| PI/PD | Aboualaiwi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | | 100 | | |
| Stdnt Schol | Buqaileh, Raghad J. | | | | | |
| Sum of Department (Pharmacology & Experimental Therap | | | | | | Award Count: 7.12 |
| | | | | | | \$351,044 |
| Pharmacy Practice, Department of | | | | | | |
| C-126183-02 | High throughput approaches to determining the lethality of synthetic psychoactive cathinones using Danio rerio larvae | No | \$50,000 | \$26,750 | \$76,750 | \$69,075 |
| 7/1/19 to 6/30/21 National Institutes of Health | | | | | | |
| Role | Name | Department | | % Credit | | |
| 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 & Experimental Therapeutics, Department of | | 10 | | |
| Stdnt Schol | Elhag, Raghad Abdelmagid | Pharmacy Practice, Department of | | | | |
| Stdnt Schol | Heeren, Sasha Heather | Pharmacy Practice, Department of | | | | |
| C-127611-02 | MINHC project | No | \$18,518 | \$1,482 | \$20,000 | \$10,000 |
| 9/1/19 to 8/31/20 Health Resources & Services Administration through University of Illinois at Chicago | | | | | | |
| Role | Name | Department | | % Credit | | |
| PI/PD | Sahloff, Eric G. | Pharmacy Practice, Department of | | 50 | | |
| Co-I | Duggan, Joan | Medicine, Department of | | 50 | | |

Pharmacy & Pharmaceutical Sciences, College of

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|--|---|---|---------------------------|----------------------|--------------------|--------------------------|
| Pharmacy Practice, Department of | | | | | | |
| N-127680-01 | Internship in UT lab | No | \$7,800 | \$780 | \$8,580 | \$8,580 |
| <i>7/25/19 to 3/24/20 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 | Smith, Amber | Pharmacy Practice, Department of | | | | |
| N-127689-01-A1 | Evaluation of dipeptidyl peptidase-IV inhibitor use in hospitalized patients with diabetes | No | \$2,500 | \$0 | \$2,500 | \$2,500 |
| <i>11/1/19 to 10/31/20 American College of Clinical Pharmacy</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Petite, Sarah E. | Pharmacy Practice, Department of | 100 | | | |
| Statistician | Khuder, Sadik | Medicine, Department of | | | | |
| N-127940-01 | Evaluation of Burnout among Pharmacy Residents in the United States | No | \$4,630 | \$370 | \$5,000 | \$4,950 |
| <i>1/30/20 to 7/30/21 ASHP Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Gyori, Derek J. | Pharmacy Practice, Department of | 50 | | | |
| Co-I | Khuder, Sadik | Medicine, Department of | 1 | | | |
| Co-I | Murphy, Julie Anne Brousil | Pharmacy Practice, Department of | 49 | | | |
| N-128309-01 | AFPE Scholarship--Raghad Buqaileh | No | \$5,000 | \$0 | \$5,000 | |
| <i>6/30/20 to 6/30/21 American Foundation for Pharmaceutical Education</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Aboualawi, Wissam Ali | Pharmacology & Experimental Therapeutics, Department of | 100 | | | |
| Stdnt Schol | Buqaileh, Raghad J. | Pharmacy Practice, Department of | | | | |
| Sum of Department (Pharmacy Practice, Department of) | | | Award Count: 4.39 | | \$95,105 | |
| Sum of College (Pharmacy & Pharmaceutical Sciences, Co) | | | Award Count: 16.41 | | \$2,273,442 | |

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> |
|------------------------------------|--|--------------|--------------------|----------------------|--------------------|--------------------------|
| Learning Enhancement Center | | | | | | |

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> |
|--|-------------------------------------|-----------------------------|--------------------|----------------------|--------------------|--------------------------|
| Learning Enhancement Center | | | | | | |
| C-103911-24 | UT Student Support Services | No | \$246,113 | \$19,689 | \$265,802 | \$265,802 |
| <i>9/1/19 to 8/31/20</i> | <i>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 | | 98 | | |
| Co-PI | Tucker, Tia Nicole | Learning Enhancement Center | | 2 | | |
| Data/Cler | Bonds, Audrey | Learning Enhancement Center | | | | |
| Data/Cler | Gennings, Anthony Jordan | Learning Enhancement Center | | | | |
| Data/Cler | Mayhew, Sierra Danielle | Learning Enhancement Center | | | | |
| Stdnt Schol | Alvarado, Alexis Mackenzie | Learning Enhancement Center | | | | |
| Stdnt Schol | Bell-Bey, Tamera Aremina | Learning Enhancement Center | | | | |
| Stdnt Schol | Bezeau, Serena May | Learning Enhancement Center | | | | |
| Stdnt Schol | Carpenter, Amaya N. | Learning Enhancement Center | | | | |
| Stdnt Schol | Castleberry, Morgan A. | Learning Enhancement Center | | | | |
| Stdnt Schol | Chau, Le Quynh Tue | Learning Enhancement Center | | | | |
| Stdnt Schol | Gay, Bruce lamont | Learning Enhancement Center | | | | |
| Stdnt Schol | House, Tatiana V. | Learning Enhancement Center | | | | |
| Stdnt Schol | Lewis, Robyn Lewis | Learning Enhancement Center | | | | |
| Stdnt Schol | Mcgowan, Dwayne | Learning Enhancement Center | | | | |
| Stdnt Schol | Moore, Alexi Kalyn | Learning Enhancement Center | | | | |
| Stdnt Schol | Mwae Thu, Theim | Learning Enhancement Center | | | | |
| Stdnt Schol | Northington, JonDareo' | Learning Enhancement Center | | | | |
| Stdnt Schol | Okwenne, Odinakachukwu Enoch | Learning Enhancement Center | | | | |
| Stdnt Schol | Okwuaka, Kaodilichukwu Emman | Learning Enhancement Center | | | | |
| Stdnt Schol | Pope, Peyton Makenzie | Learning Enhancement Center | | | | |
| Stdnt Schol | Reece, Ariyanna E. | Learning Enhancement Center | | | | |
| Stdnt Schol | Russell, Alysia Shanae | Learning Enhancement Center | | | | |
| Stdnt Schol | Russell, BreAnn | Learning Enhancement Center | | | | |
| Stdnt Schol | Sharpe, Natalie | Learning Enhancement Center | | | | |
| Stdnt Schol | Spandix, Justin D'Shawn | Learning Enhancement Center | | | | |
| Stdnt Schol | Streeter, Jenelle Rose | Learning Enhancement Center | | | | |
| Stdnt Schol | Tyree, Kasaad Malik | Learning Enhancement Center | | | | |
| Stdnt Schol | West, Auvondria | Learning Enhancement Center | | | | |
| Stdnt Schol | Williams, Kayla E. | Learning Enhancement Center | | | | |
| Sum of Department (Learning Enhancement Center) | | | | | | Award Count: 1.00 |
| | | | | | | \$265,802 |

Provost, Executive VP Academic Affairs

| | | | | | | |
|---------------------------|---|--|-----------------|-----------------|-----------------|-----------------|
| C-127595-02 | Strong Start to Finish Grant--Campus-Level Action and Success Supports (CLASS) | No | \$19,000 | \$0 | \$19,000 | \$19,000 |
| <i>1/1/20 to 12/31/20</i> | <i>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 | | |

Provost - Academic Affairs, Enrollment Services

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| | | <u>Cash?</u> | <u>Direct Cost</u> | <u>Indirect Cost</u> | <u>Total Award</u> | <u>Dept Award Credit</u> |
|---|---|--|--------------------|--------------------------|--------------------|------------------------------|
| Provost, Executive VP Academic Affairs | | | | | | |
| C-127595-02-I01 | Strong Start to Finish Grant--Campus-Level Action and Success Supports (CLASS) | No | \$5,000 | \$0 | \$5,000 | \$5,000 |
| 6/10/20 to 3/31/21 | <i>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 | | |
| Sum of Department (Provost, Executive VP Academic Affai) | | | | Award Count: 2.00 | | \$24,000 |
| Sum of College (Provost - Academic Affairs, Enrollment Se) | | | | Award Count: 3.00 | | \$289,802 |

Public Safety

This report does **not** show all projects that were active in FY20. 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> |
|--|---|-----------------------------------|--------------------|--------------------------|--------------------|------------------------------|
| University Police | | | | | | |
| C-127086-02 | Educating a Community Within a Community: Mental Health First Aid and Green Zone Training at the University of Toledo and Beyond | No | \$114,325 | \$9,147 | \$123,472 | \$12,347 |
| 9/30/19 to 9/29/20 | <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 (University Police) | | | | Award Count: 0.10 | | \$12,347 |
| Sum of College (Public Safety) | | | | Award Count: 0.10 | | \$12,347 |

Research & Sponsored Programs MC

This report does **not** show all projects that were active in FY20. 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> |
|--|--|--------------|--------------------|----------------------|--------------------|------------------------------|
| Research & Sponsored Programs | | | | | | |

Research & Sponsored Programs MC

This report does **not** show all projects that were active in FY20. 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> |
|--|--|--|--------------------|--------------------------|--------------------|--------------------------|
| Research & Sponsored Programs | | | | | | |
| N-127658-01 | Advance & I-Corps Joint Program | No | \$485,667 | \$44,329 | \$529,996 | \$529,996 |
| <i>10/1/19 to 9/30/21 National Science Foundation</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Rapino, Norman | Research & Sponsored Programs | 100 | | | |
| N-127793-01 | UT Rocket Fuel Fund II--TVSF | No | \$200,000 | \$0 | \$200,000 | \$200,000 |
| <i>12/16/19 to 12/16/21 Ohio Development Services Agency</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Genide, Brian Michael | Research & Sponsored Programs | 100 | | | |
| N-128160-01 | Entrepreneurial Signature Program | No | \$276,310 | \$88,419 | \$364,729 | \$364,729 |
| <i>1/1/20 to 12/31/20 Ohio Development Services Agency through JumpStart</i> | | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Rapino, Norman | Research & Sponsored Programs | 100 | | | |
| | | Sum of Department (Research & Sponsored Programs) | | Award Count: 3.00 | | \$1,094,725 |
| | | Sum of College (Research & Sponsored Programs MC) | | Award Count: 3.00 | | \$1,094,725 |

Student Affairs

This report does **not** show all projects that were active in FY20. 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> |
|---|--|--|--------------------|--------------------------|--------------------|--------------------------|
| Division of Student Affairs | | | | | | |
| C-110170-13 | Upward Bound Program | No | \$431,867 | \$34,549 | \$466,416 | \$466,416 |
| <i>9/1/19 to 8/31/20 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 | | | |
| C-126194-03 | Upward Bound Math & Science Program | No | \$266,238 | \$21,299 | \$287,537 | \$287,537 |
| <i>9/1/19 to 8/31/20 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 (Division of Student Affairs) | | Award Count: 2.00 | | \$753,953 |
| | | Sum of College (Student Affairs) | | Award Count: 2.00 | | \$753,953 |

University College

This report does **not** show all projects that were active in FY20. 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> |
|--|--|---------------------------|----------------------------|----------------------|--------------------|--------------------------|
| Dean - University College | | | | | | |
| N-123253-01 | Military Service Center Student Support | Yes | \$8,070 | \$0 | \$8,070 | \$8,070 |
| <i>1/1/12 to 6/30/13</i> | <i>U.S. Department of Veterans Affairs</i> | | | | | |
| <u>Role</u> | <u>Name</u> | <u>Department</u> | <u>% Credit</u> | | | |
| PI/PD | Lettman, Dennis S. | Dean - University College | 100 | | | |
| Sum of Department (Dean - University College) | | | Award Count: 1.00 | | | \$8,070 |
| Sum of College (University College) | | | Award Count: 1.00 | | | \$8,070 |
| Grand Total: | | | Award Count: 429.00 | | | \$55,044,284 |