

Cleveland State University
Office of the Vice President for Research
 Jerzy T. Sawicki, Ph.D.

YEAR-TO-DATE SUMMARY COMPARISON

July 1, 2019 - March 31, 2020

and

July 1, 2018 - March 31, 2019

Awards

	Dollars				Numbers	
	Direct	Indirect	Total	% Change (Total)		% Change
2019-2020	\$ 11,588,192	\$ 2,342,368	\$ 13,930,560	70.6%	92	21.1%
2018-2019	\$ 7,268,042	\$ 899,727	\$ 8,167,769		76	

Proposals

	Dollars				Numbers	
	Direct	Indirect	Total	% Change (Total)		% Change
2019-2020	\$ 47,619,024	\$ 13,846,064	\$ 61,465,088	24.8%	204	41.7%
2018-2019	\$ 37,268,236	\$ 11,988,770	\$ 49,257,006		144	

Expenditures

	Dollars			
	Direct	Indirect	Total	% Change (Total)
2019-2020	\$ 9,639,138	\$ 1,450,940	\$ 11,090,078	6.2%
2018-2019	\$ 9,120,351	\$ 1,317,732	\$ 10,438,083	

Awards *Includes Total Project Award Amount*
Monthly Comparison

	Fiscal Year 2020			Fiscal Year 2019		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 339,650	\$ 60,736	\$ 400,386	\$ 824,999	\$ 137,609	\$ 962,608
August	\$ 459,614	\$ 138,507	\$ 598,121	\$ 419,534	\$ 124,043	\$ 543,577
September	\$ 2,822,290	\$ 230,809	\$ 3,053,099	\$ 1,417,820	\$ 56,626	\$ 1,474,446
October	\$ 505,425	\$ 119,740	\$ 625,165	\$ 274,451	\$ 36,482	\$ 310,933
November	\$ 1,129,223	\$ 329,811	\$ 1,459,034	\$ 460,082	\$ 120,601	\$ 580,683
December	\$ 420,893	\$ 52,298	\$ 473,191	\$ 751,694	\$ -	\$ 751,694
January	\$ 2,826,941	\$ 660,387	\$ 3,487,328	\$ 1,573,204	\$ 239,249	\$ 1,812,453
February	\$ 263,717	\$ 51,918	\$ 315,635	\$ 1,009,362	\$ 106,267	\$ 1,115,629
March	\$ 2,820,439	\$ 698,162	\$ 3,518,601	\$ 536,896	\$ 78,850	\$ 615,746
April			\$ -	\$ 2,016,424	\$ 57,178	\$ 2,073,602
May			\$ -	\$ 491,007	\$ 151,011	\$ 642,018
June			\$ -	\$ 871,494	\$ 135,834	\$ 1,007,328
Totals						
March	\$ 11,588,192	\$ 2,342,368	\$ 13,930,560	\$ 7,268,042	\$ 899,727	\$ 8,167,769
Fiscal Year	\$ 11,588,192	\$ 2,342,368	\$ 13,930,560	\$ 10,646,967	\$ 1,243,750	\$ 11,890,717

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Proposals							
Monthly Comparison							
	Fiscal Year 2020			Fiscal Year 2019			
	Direct	Indirect	Total	Direct	Indirect	Total	
July	\$ 3,168,562	\$ 1,052,828	\$ 4,221,390	\$ 2,941,024	\$ 1,123,999	\$ 4,065,023	
August	\$ 4,266,380	\$ 1,012,096	\$ 5,278,476	\$ 2,699,601	\$ 742,911	\$ 3,442,512	
September	\$ 4,420,108	\$ 1,281,650	\$ 5,701,758	\$ 1,794,580	\$ 695,676	\$ 2,490,256	
October	\$ 14,857,699	\$ 4,566,774	\$ 19,424,473	\$ 9,429,391	\$ 2,963,533	\$ 12,392,924	
November	\$ 1,977,317	\$ 429,546	\$ 2,406,863	\$ 2,852,633	\$ 1,010,165	\$ 3,862,798	
December	\$ 1,753,945	\$ 327,508	\$ 2,081,453	\$ 1,404,326	\$ 663,566	\$ 2,067,892	
January	\$ 4,663,288	\$ 1,120,259	\$ 5,783,547	\$ 2,922,159	\$ 499,819	\$ 3,421,978	
February	\$ 7,621,335	\$ 2,766,414	\$ 10,387,749	\$ 11,147,794	\$ 3,487,870	\$ 14,635,664	
March	\$ 4,890,390	\$ 1,288,989	\$ 6,179,379	\$ 2,076,728	\$ 801,231	\$ 2,877,959	
April			\$ -	\$ 4,209,917	\$ 868,217	\$ 5,078,134	
May			\$ -	\$ 2,139,471	\$ 850,373	\$ 2,989,844	
June			\$ -	\$ 7,194,131	\$ 3,236,478	\$ 10,430,609	
Totals							
March	\$ 47,619,024	\$ 13,846,064	\$ 61,465,088	\$ 37,268,236	\$ 11,988,770	\$ 49,257,006	
Fiscal Year	\$ 47,619,024	\$ 13,846,064	\$ 61,465,088	\$ 50,811,755	\$ 16,943,838	\$ 67,755,593	

Expenditures							
Monthly Comparison							
	Fiscal Year 2020			Fiscal Year 2019			
	Direct	Indirect	Total	Direct	Indirect	Total	
July	\$ 1,071,893	\$ 267,524	\$ 1,339,417	\$ 1,457,335	\$ 271,801	\$ 1,729,136	
August	\$ 1,926,965	\$ 220,217	\$ 2,147,182	\$ 1,494,674	\$ 176,096	\$ 1,670,770	
September	\$ 724,482	\$ 135,301	\$ 859,783	\$ 1,032,818	\$ 153,509	\$ 1,186,327	
October	\$ 739,182	\$ 142,688	\$ 881,870	\$ 671,226	\$ 113,309	\$ 784,535	
November	\$ 775,021	\$ 124,180	\$ 899,201	\$ 1,551,103	\$ 130,655	\$ 1,681,758	
December	\$ 936,329	\$ 165,669	\$ 1,101,998	\$ 866,927	\$ 127,498	\$ 994,425	
January	\$ 1,444,714	\$ 94,656	\$ 1,539,370	\$ 277,686	\$ 85,464	\$ 363,150	
February	\$ 1,098,608	\$ 178,706	\$ 1,277,314	\$ 1,124,084	\$ 124,791	\$ 1,248,875	
March	\$ 921,944	\$ 121,999	\$ 1,043,943	\$ 644,499	\$ 134,609	\$ 779,107	
April			\$ -	\$ 788,412	\$ 110,687	\$ 899,099	
May			\$ -	\$ 1,008,594	\$ 194,772	\$ 1,203,366	
June			\$ -	\$ 2,235,101	\$ 337,435	\$ 2,572,536	
Totals							
March	\$ 9,639,138	\$ 1,450,940	\$ 11,090,078	\$ 9,120,351	\$ 1,317,732	\$ 10,438,083	
CSU Fiscal Year	\$ 9,639,138	\$ 1,450,940	\$ 11,090,078	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084	
CCF Fiscal Year*			\$ -				
Grand Total	\$ 9,639,138	\$ 1,450,940	\$ 11,090,078	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084	

**CCF Expenditures will be updated when available.

Cleveland State University
Office of the Vice President for Research
 Jerzy T. Sawicki, Ph.D.

YEAR-TO-DATE SUMMARY COMPARISON - AWARDS

July 1, 2019 - March 31, 2020

and

July 1, 2018 - March 31, 2019

College/Division

Awards *Includes Total Project Award Amount*

	Fiscal Year 2020				Fiscal Year 2019			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 270,470	\$ -	\$ 270,470	4	\$ 255,995	\$ -	\$ 255,995	4
College of Education & Human Services	\$ 941,982	\$ 37,599	\$ 979,581	7	\$ 387,874	\$ 12,126	\$ 400,000	4
College of Engineering	\$ 1,360,861	\$ 528,729	\$ 1,889,590	13	\$ 1,282,148	\$ 366,809	\$ 1,648,957	11
College of Law	\$ 131,250	\$ -	\$ 131,250	2	\$ 52,000	\$ -	\$ 52,000	1
College of Liberal Arts & Social Sciences	\$ 546,517	\$ 85,918	\$ 632,435	15	\$ 235,499	\$ 18,909	\$ 254,408	11
School of Nursing	\$ 182,930	\$ 11,714	\$ 194,644	5	\$ 157,663	\$ 10,372	\$ 168,035	6
College of Sciences & Health Professions	\$ 3,018,974	\$ 1,322,066	\$ 4,341,040	13	\$ 969,339	\$ 164,520	\$ 1,133,859	8
College of Urban Affairs	\$ 1,370,688	\$ 194,241	\$ 1,564,929	16	\$ 954,686	\$ 103,058	\$ 1,057,744	17
Central Administration	\$ 3,764,519	\$ 162,102	\$ 3,926,621	17	\$ 2,972,838	\$ 223,933	\$ 3,196,771	14
March Totals	\$ 11,588,191	\$ 2,342,369	\$ 13,930,560	92	\$ 7,268,042	\$ 899,727	\$ 8,167,769	76

Cleveland State University
Office of the Vice President for Research
 Jerzy T. Sawicki, Ph.D.

YEAR-TO-DATE SUMMARY COMPARISON - PROPOSALS

July 1, 2019 - March 31, 2020

and

July 1, 2018 - March 31, 2019

**College/Division
Proposals**

	Fiscal Year 2020				Fiscal Year 2019			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 280,472	\$ -	\$ 280,472	5	\$ 257,216	\$ 68,515	\$ 325,731	4
College of Education & Human Services	\$ 2,678,635	\$ 739,182	\$ 3,417,817	10	\$ 2,154,075	\$ 630,743	\$ 2,784,818	8
College of Engineering	\$ 14,762,909	\$ 4,012,909	\$ 18,775,818	52	\$ 15,276,423	\$ 5,164,077	\$ 20,440,500	39
College of Law	\$ 331,251	\$ -	\$ 331,251	3	\$ 236,999	\$ 78,278	\$ 315,277	2
College of Liberal Arts & Social Sciences	\$ 2,462,125	\$ 929,597	\$ 3,391,722	23	\$ 587,571	\$ 64,519	\$ 652,090	13
School of Nursing	\$ 1,651,259	\$ 769,690	\$ 2,420,949	4	\$ 545,235	\$ 34,675	\$ 579,910	7
College of Sciences & Health Professions	\$ 15,711,551	\$ 6,027,788	\$ 21,739,339	54	\$ 13,694,444	\$ 5,303,813	\$ 18,998,257	37
College of Urban Affairs	\$ 3,140,789	\$ 761,983	\$ 3,902,772	29	\$ 1,522,890	\$ 392,541	\$ 1,915,431	21
Central Administration	\$ 6,600,033	\$ 604,915	\$ 7,204,948	24	\$ 2,993,383	\$ 251,609	\$ 3,244,992	13
March Totals	\$ 47,619,024	\$ 13,846,064	\$ 61,465,088	204	\$ 37,268,236	\$ 11,988,770	\$ 49,257,006	144

Cleveland State University
Office of the Vice President for Research
 Jerzy T. Sawicki, Ph.D.

YEAR-TO-DATE SUMMARY COMPARISON - EXPENDITURES

July 1, 2019 - March 31, 2020

and

July 1, 2018 - March 31, 2019

College/Division Expenditures	Fiscal Year 2020			Fiscal Year 2019		
	Direct	Indirect	Total	Direct	Indirect	Total
College of Business Administration	\$ 215,602	\$ -	\$ 215,602	\$ 182,766	\$ -	\$ 182,766
College of Education & Human Services	\$ 420,479	\$ 31,194	\$ 451,672	\$ 527,072	\$ 49,296	\$ 576,367
College of Engineering	\$ 1,258,058	\$ 387,388	\$ 1,645,447	\$ 852,354	\$ 248,803	\$ 1,101,157
College of Law	\$ 22,304	\$ -	\$ 22,304	\$ 4,745	\$ -	\$ 4,745
College of Liberal Arts & Social Sciences	\$ 217,258	\$ 35,713	\$ 252,971	\$ 173,367	\$ 16,876	\$ 190,244
School of Nursing	\$ 142,564	\$ 8,078	\$ 150,642	\$ 175,061	\$ 5,669	\$ 180,730
College of Sciences & Health Professions	\$ 2,042,656	\$ 633,314	\$ 2,675,970	\$ 2,007,651	\$ 703,260	\$ 2,710,911
College of Urban Affairs	\$ 954,973	\$ 117,556	\$ 1,072,530	\$ 896,668	\$ 98,424	\$ 995,092
Central Administration	\$ 4,365,244	\$ 237,696	\$ 4,602,940	\$ 4,300,666	\$ 195,405	\$ 4,496,071
March Totals	\$ 9,639,138	\$ 1,450,940	\$ 11,090,078	\$ 9,120,351	\$ 1,317,732	\$ 10,438,083

Amount	Sponsor	Title	Principal Investigator
CENTRAL ADMINISTRATION			
Provost			
\$982,322	Ohio Department of Higher Education Third Frontier	Survive and Thrive	Gregory Hall
Research			
\$346,190	HX5 (National Aeronautics and Space Administration)	NDE techniques for Advanced Aerospace Materials and Structures	Jerzy Sawicki
\$51,000	National Aeronautics and Space Administration	Laser Beam Stabilization Studies Towards Free-Space Quantum/Laser Communication Applications	Jerzy Sawicki
ENGINEERING			
Chemical			
\$199,998	National Aeronautics and Space Administration	Spurious Grain Formation in Alloys Directionally Solidified on the Space Station due to Marangoni Convection	Surendra Tewari
Mechanical			
\$28,750	Ohio Space Grant Consortium	State of Ohio STEM Scholarship and Fellowship	Wei Zhang
LIBERAL ARTS & SOCIAL SCIENCES			
English			
\$74,300	Cleveland Foundation	Anisfield-Wolf Fellowship in Writing and Publishing	Frederick Karem
Music			
\$3,000	Nord Family Foundation	CAEC Nord Family Foundation 2020	Judith Ryder Frumker
SCIENCES & HEALTH PROFESSIONS			
Bio, Geo, Environ			
\$313,636	National Institutes of Health	Delineating the functions of EKLF during mammalian terminal erythroid differentiation	Merlin Nithya Gnanapragasam
Gene Regulation in Health & Disease			
\$1,485,000	National Institutes of Health	Safer and more effective FIX therapeutics: impact of codon optimization	Anton Komar
Mathematics			
\$18,306	Case Western Reserve University (National Institutes of Health)	Mitochondrial Biomarkers in Huntington's Disease	Yiyang Fan
URBAN			
Research & Public Policy			
\$16,099	Ohio Manufacturers' Association	Assist in production of the 2020 Election Guide	Mark Salling

Note: The Total Dollars of Awards in this report may differ from the totals contained in the Summary Comparison Section. This is due to the effect of cumulative transactions which cross reporting time periods.

**Cleveland State University
Office of Sponsored Programs and Research**

**Sponsored Programs and Research Award Activity Detail
July 1, 2019 through March 31, 2020**

Supplement to March 2020 Monthly Activity Report

Amount	Sponsor	Title	Principal Investigator
BUSINESS			
Dean's Office			
\$167,622	U.S. Small Business Administration-Development Services Agency	Small Business Development Center - Cleveland State University	Colette Hart
\$79,113	State of Ohio, Development Services Agency	Small Business Development Center	Colette Hart
\$18,335	Ohio Development Services Agency	SBDC FY19 Supplemental Grant Funding	Colette Hart
\$5,400	Ohio Development Services Agency	SBDC FY19 Supplemental Grant Funding #2	Colette Hart
CENTRAL ADMINISTRATION			
Academic Programs			
\$19,000	U.S. Department of Higher Education (Ohio Department of Higher Education)	Ohio Strong Start to Finish	John Holcomb
\$5,000	Association of Public & Land Grant Universities	Connect to College	Peter Meiksins
Graduate Studies			
\$102,600	Envision	Collaborative relationship with NEOSTEM Ecosystem	Nigamanth Sridhar
\$70,263	Ohio Department of Higher Education	Short Term Certificates: Finish Your Future	John Holcomb
Health & Wellness			
\$196,280	Medical Mutual	Wellness Initiative	Jeanell Hughes
Library			
\$4,999	State Library of Ohio	General Photograph Collection Conservation	Marsha Miles
\$603	State Library of Ohio	Celebrating Ohio Book Awards & Authors	Amanda Goodsett
Provost			
\$1,729,562	Ohio Department of Higher Education	Choose Ohio First 2020-2021	Barbara Margolius
\$982,322	Ohio Department of Higher Education Third Frontier	Survive and Thrive	Gregory Hall
\$175,000	U.S. Department of Education	Cleveland State University TRIO/Student Support Services 2015-2020	George Bovell
Research Office			
\$346,190	HX5 (National Aeronautics and Space Administration)	NDE techniques for Advanced Aerospace Materials and Structures	Jerzy Sawicki
\$150,000	Kent State University (Ohio Development Services Agency)	CSU & KSU Technology Validation and Start-up Fund-the TeCK Fund	Jerzy Sawicki
\$85,051	Universities Space Research Association (NASA)	Development and application of NDE techniques for advanced aerospace materials and structures	Jerzy Sawicki
\$51,000	National Aeronautics and Space Administration	Laser Beam Stabilization Studies Towards Free-Space Quantum/Laser Communication Applications	Jerzy Sawicki
\$1,251	Case Western Reserve University (Cleveland Foundation)	Cleveland IoT Collaborative - Phase 2	Jerzy Sawicki
Student Affairs			
\$7,500	Ohio State University	Impaired Driving Prevention Pilot Program	Denise Keary

Amount	Sponsor	Title	Principal Investigator
EDUCATION & HUMAN SERVICES			
CASAL			
\$24,512	Martha Holden Jennings Foundation	First Ring Leadership Academy: Professional Development Program for Teacher Leaders	Deborah Morin
Dean's Office			
\$166,800	Cleveland Foundation	Cleveland Foundation Teaching Fellows Program	Sajit Zachariah
Teacher Education			
\$592,028	Ohio Department of Higher Education	Teaching Credentials	Kathleen O'Hara
\$29,850	University of Cincinnati (Ohio Department of Education & Ohio Dean's Compact)	CSU 12-Hour Reading Core Curriculum Redesign	Laura Northrup
\$15,000	Martha Holden Jennings Foundation	Teacher Action Research	Grace Huang
Urban Education			
\$116,493	Ohio Department of Education	Evidence for School Climate and School Climate Improvement Process Research Project	Adam Voight
\$34,898	American Institutes for Research (U.S. Department of Education)	Cleveland Partnership for English Learner Success	Adam Voight
ENGINEERING			
Chemical & Biomedical			
\$299,873	National Science Foundation	Collaborative Research: Design and development of a multifunctional nanoplatform for augmented elastic matrix repair	Chandrasekhar Kothapalli
\$287,935	Cincinnati Children's Hospital Medical Center (National Institutes of Health)	Modeling diabetes using an integrated plate system	Moo-Yeal Lee
\$199,998	National Aeronautics and Space Administration	Spurious Grain Formation in Alloys Directionally Solidified on the Space Station due to Marangoni Convection	Surendra Tewari
\$10,080	National Science Foundation	Engineered Organic Color Centers for Profiling Protein-Carbohydrate Recognition- Supplemental Funding	Geyou Ao
Civil			
\$10,000	Rockport Ready Mix	Improving Sustainability of Ultra-High Performance Concrete Using Local Materials	Srinivas Allena
Electrical & Computer			
\$180,000	Florida International University (Department of Energy)	Secure Data Logging and Processing with Blockchain and Machine Learning	Wenbing Zhao
Mechanical			
\$580,249	National Science Foundation	CAREER: Flow Physics of Transient Rooftop Vortices at High Reynolds Numbers and Bio-Inspired Flow Control Strategies to Mitigate Wind Hazards	Wei Zhang
\$97,239	University of North Carolina at Charlotte (National Science Foundation)	Virtual Information-Fabric Infrastructure (VIFI) for Data-Driven Decisions from Distributed Data	Yongxin Tao
\$74,844	Washington State University (National Institutes of Health)	Reproducibility in simulation-based prediction of natural knee mechanics	Antonie van den Bogert
\$65,621	National Science Foundation	Research Coordination Networks	Yongxin Tao
\$50,000	National Science Foundation	USUK Workshop	Yongxin Tao
\$28,750	Ohio Space Grant Consortium	State of Ohio STEM Scholarship and Fellowship	Wei Zhang
\$5,000	Ohio Space Grant Consortium	Flow Physics of Transient Rooftop Vortices at High Reynolds Numbers to Mitigate Wind Hazards	Wei Zhang

Amount	Sponsor	Title	Principal Investigator
LAW			
Law			
\$100,000	George Gund Foundation	Day 1 Project	Jonathan Witmer-Rich
\$31,250	Charles Koch Foundation	Use of "big data" in law enforcement and policy	Brian Ray
LIBERAL ARTS & SOCIAL SCIENCES			
Art			
\$11,708	Ohio Arts Council	Sustainability 2019-2020	Robert Thurmer
Dean's Office			
\$6,000	Kulas Foundation	Kulas Student Ticket Program	Allyson Robichaud
English			
\$74,300	Cleveland Foundation	Anisfield-Wolf Fellowship in Writing and Publishing	Frederick Karem
History			
\$14,175	Ohio Humanities Council	Suffrage: Voting rights and the 15th and 19th Amendments	Robert Shelton
\$2,000	Cleveland Donauschwaben German-American Cultural Center	Cleveland German-American Oral History Project	Mark Cole
Music			
\$11,500	Cleveland Foundation	CAEC-Manager & General Operating	Judith Ryder Frumker
\$8,000	George Gund Foundation	Gund - CAEC Programs & Gen Op 2019	Judith Ryder Frumker
\$3,864	Ohio Arts Council	OAC Artstart-2019-20 Ohio Arts Council	Judith Ryder Frumker
\$3,000	Nord Family Foundation	CAEC Nord Family Foundation 2020	Judith Ryder Frumker
\$1,000	Cyrus Eaton Foundation	CAEC 2019-20 Cyrus Eaton	Judith Ryder Frumker
Social Work			
\$246,500	Ohio Department of Job and Family Services	Child Welfare Workforce Professional Education Program	Catherine Lewandowski
Sociology			
\$190,338	Cuyahoga County Board of Health (Center for Disease Control & Prevention)	Establishing Linkages to Care	Miyuki Tedor
\$60,050	ADAMHS Board of Cuyahoga County	Needs Assessment	Miyuki Tedor
NURSING			
Nursing			
\$114,752	Northeast Ohio Medical University (Health Resources and Services Administration)	Area Health Education Center	Joan Thoman
\$42,714	Northeast Ohio Medical University (Health Resources and Services Administration)	Geriatrics Workforce Enhancement Program	Joan Niederriter
\$26,000	Cuyahoga County Board of Health (Centers for Disease Control & Prevention)	Racial & Ethnic Approaches to Community Health (REACH)	Joan Thoman
\$6,614	Northeast Ohio Medical University (Health Resources and Services Administration)	Area Health Education Center	Joan Thoman

Amount	Sponsor	Title	Principal Investigator
\$4,564	Summa Health Systems (Health Resource and Service Administration)	Geriatrics Workforce Enhancement	Joan Niederriter
SCIENCES & HEALTH PROFESSIONS			
Bio, Geo, Environ			
\$313,636	National Institutes of Health	Delineating the functions of EKLF during mammalian terminal erythroid differentiation	Merlin Nithya Gnanapragasam
\$79,914	Iowa State University (United States Department of Agriculture)	Biogeochemical consequences of updating an aging agricultural infrastructure	Kevin Mueller
Chemistry			
\$371,250	Cleveland Clinic Lerner College of Medicine (National Institutes of Health)	Gut Microbiome and Cardiometabolic Diseases	Valentin Gogonea
Gene Regulation in Health & Disease			
\$1,485,000	National Institutes of Health	Safer and more effective FIX therapeutics: impact of codon optimization	Anton Komar
\$1,177,720	National Institutes of Health	eIF2A in translational control	Anton Komar
\$445,499	National Institutes of Health	Bending Primary Cilia: evidence for a structure-function relationship?	Andrew Resnick
\$29,700	Eli Lilly and Company	CRADA	Anton Komar
Mathematics			
\$148,622	Wayne State University (National Science Foundation)	Math Corps	Carol Phillips-Bey
\$20,585	Sanford I. Weill Medical College of Cornell University	Identifying mechanisms of tissue injury in MS lesions: a multi-modality imaging approach	Sandra Hurtado Rua
\$18,306	Case Western Reserve University (National Institutes of Health)	Mitochondrial Biomarkers in Huntington's Disease	Yiyang Fan
Physics			
\$216,875	University of Wisconsin-Madison (U.S.Department of Energy)	Characterizing Land-Atmosphere Interactions Using ARG SGP Observations	Thijs Heus
Psychology			
\$29,499	University of Pittsburgh (National Institutes of Health)	Biobehavioral inflexibility and risk for juvenile-onset depression	Ilya Yaroslavsky
\$4,434	Northwestern University (National Institutes of Health)	Language in Primary Progressive Aphasia	Robert Hurley
URBAN			
Dean's Office			
\$500,000	Ohio Department of Higher Education	Regional Leadership Development Initiative	Roland Anglin
Research & Public Policy			
\$400,000	Public Utilities Commission of Ohio	The Center for Emergency Preparedness	Robert Ziol
\$120,000	Advocate Aurora Health	Economic Impact of Advocate Aurora Health	Iryna Lendel
\$100,000	Ohio Department of Higher Education	Co-op Internship Program	Robert Ziol
\$80,000	U.S. Department of Commerce	EDA FY20-Yr 4 of 5	Iryna Lendel
\$37,125	Cleveland Indians Baseball, LLC	Economic Impact of Cleveland Indians	Iryna Lendel
\$16,400	Neighborhood Leadership Institute	NLC 36 Training and Development - fixed cost salary	Robert Ziol
\$16,099	Ohio Manufacturers' Association	Assist in production of the 2020 Election Guide	Mark Salling

Amount	Sponsor	Title	Principal Investigator
\$13,300	Chester Township	Chester Township Community Questionnaire	Kirby Date
\$12,500	Neighborhood Leadership Institute	NLC 35 Training and Development CR	Robert Ziol
\$5,000	Hambden Township	Hambden Township Comprehensive Plan Update	Kirby Date
\$2,004	Horizon Education Centers	Geospatial analysis of possible locations for new HEC sites in Cuyahoga County	Mark Salling
Urban Affairs			
\$147,500	Cuyahoga County	Cuyahoga County Research Services	Iryna Lendel
\$75,000	U.S. Department of Commerce	Technical Assistance for Eastgate	Iryna Lendel
\$40,000	City of East Cleveland	Creating Visioning Project for City of East Cleveland	Roland Anglin

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