

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON

July 1, 2019 - June 30, 2020

and

July 1, 2018 - June 30, 2019

Awards

	Dollars				Numbers	
	Direct	Indirect	Total	% Change (Total)		% Change
2019-2020	\$ 14,923,970	\$ 3,126,735	\$ 18,050,705	51.8%	125	3.3%
2018-2019	\$ 10,646,967	\$ 1,243,750	\$ 11,890,717		121	

Proposals

	Dollars				Numbers	
	Direct	Indirect	Total	% Change (Total)		% Change
2019-2020	\$ 56,588,727	\$ 17,034,412	\$ 73,623,139	8.7%	256	26.7%
2018-2019	\$ 50,811,755	\$ 16,943,838	\$ 67,755,593		202	

Expenditures

	Dollars			
	Direct	Indirect	Total	% Change (Total)
2019-2020	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343	-2.0%
2018-2019	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084	

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	\$ 886,862	\$ 173,053	\$ 1,059,915	\$ 2,016,424	\$ 57,178	\$ 2,073,602
May	\$ 588,274	\$ 16,006	\$ 604,280	\$ 491,007	\$ 151,011	\$ 642,018
June	\$ 1,860,642	\$ 595,308	\$ 2,455,950	\$ 871,494	\$ 135,834	\$ 1,007,328
Totals						
June	\$ 14,923,970	\$ 3,126,735	\$ 18,050,705	\$ 10,646,967	\$ 1,243,750	\$ 11,890,717
Fiscal Year	\$ 14,923,970	\$ 3,126,735	\$ 18,050,705	\$ 10,646,967	\$ 1,243,750	\$ 11,890,717

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Forrest Faison M.D., Sc.D.

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	\$ 2,176,946	\$ 844,787	\$ 3,021,733	\$ 4,209,917	\$ 868,217	\$ 5,078,134
May	\$ 2,314,692	\$ 349,284	\$ 2,663,976	\$ 2,139,471	\$ 850,373	\$ 2,989,844
June	\$ 4,478,065	\$ 1,994,277	\$ 6,472,342	\$ 7,194,131	\$ 3,236,478	\$ 10,430,609
Totals						
June	\$ 56,588,727	\$ 17,034,412	\$ 73,623,139	\$ 50,811,755	\$ 16,943,838	\$ 67,755,593
Fiscal Year	\$ 56,588,727	\$ 17,034,412	\$ 73,623,139	\$ 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	\$ 840,716	\$ 109,936	\$ 950,652	\$ 788,412	\$ 110,687	\$ 899,099
May	\$ 998,132	\$ 159,526	\$ 1,157,658	\$ 1,008,594	\$ 194,772	\$ 1,203,366
June	\$ 1,291,304	\$ 314,652	\$ 1,605,956	\$ 2,235,101	\$ 337,435	\$ 2,572,536
Totals						
June	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084
CSU Fiscal Year	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084
CCF Fiscal Year*			\$ -			
Grand Total	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084

**CCF Expenditures will be updated when available.

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON - AWARDS

July 1, 2019 - June 30, 2020

and

July 1, 2018 - June 30, 2019

College/Division

Awards *Includes Total Project Award Amount*

College/Division	Fiscal Year 2020				Fiscal Year 2019			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 317,309	\$ -	\$ 317,309	7	\$ 317,995	\$ -	\$ 317,995	5
College of Education & Human Services	\$ 2,080,470	\$ 453,040	\$ 2,533,507	13	\$ 624,154	\$ 18,358	\$ 642,512	10
College of Engineering	\$ 2,127,826	\$ 603,169	\$ 2,730,994	20	\$ 1,784,277	\$ 546,075	\$ 2,330,352	20
College of Law	\$ 170,800	\$ -	\$ 170,800	3	\$ 52,000	\$ -	\$ 52,000	1
College of Liberal Arts & Social Sciences	\$ 571,517	\$ 85,918	\$ 657,435	14	\$ 235,499	\$ 18,909	\$ 254,408	11
School of Nursing	\$ 182,930	\$ 11,714	\$ 194,644	5	\$ 171,163	\$ 11,872	\$ 183,035	7
College of Sciences & Health Professions	\$ 3,539,174	\$ 1,420,708	\$ 4,959,882	20	\$ 1,103,611	\$ 210,363	\$ 1,313,974	13
College of Urban Affairs	\$ 3,000,011	\$ 458,941	\$ 3,458,952	26	\$ 1,201,535	\$ 148,109	\$ 1,349,644	31
Central Administration	\$ 2,933,933	\$ 93,245	\$ 3,027,178	17	\$ 5,156,733	\$ 290,064	\$ 5,446,797	23
June Totals	\$ 14,923,970	\$ 3,126,735	\$ 18,050,701	125	\$ 10,646,967	\$ 1,243,750	\$ 11,890,717	121

Awards received under federal CARES act funding are not included in these totals, as they are not considered competitive external awards.

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON - PROPOSALS

July 1, 2019 - June 30, 2020

and

July 1, 2018 - June 30, 2019

College/Division Proposals

	Fiscal Year 2020				Fiscal Year 2019			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 531,971	\$ 22,466	\$ 554,437	7	\$ 366,763	\$ 91,576	\$ 458,339	6
College of Education & Human Services	\$ 4,196,131	\$ 1,369,810	\$ 5,565,941	18	\$ 2,746,200	\$ 709,726	\$ 3,455,926	15
College of Engineering	\$ 17,466,141	\$ 4,144,382	\$ 21,610,523	64	\$ 22,166,291	\$ 8,344,979	\$ 30,511,270	53
College of Law	\$ 370,800	\$ -	\$ 370,800	4	\$ 236,999	\$ 78,278	\$ 315,277	2
College of Liberal Arts & Social Sciences	\$ 2,464,615	\$ 929,597	\$ 3,394,212	24	\$ 1,491,129	\$ 341,782	\$ 1,832,911	17
School of Nursing	\$ 1,694,647	\$ 772,201	\$ 2,466,848	5	\$ 591,461	\$ 38,373	\$ 629,834	9
College of Sciences & Health Professions	\$ 20,448,758	\$ 8,151,409	\$ 28,600,167	69	\$ 16,475,041	\$ 6,580,214	\$ 23,055,255	46
College of Urban Affairs	\$ 4,447,070	\$ 1,015,232	\$ 5,462,302	40	\$ 1,955,987	\$ 502,921	\$ 2,458,908	33
Central Administration	\$ 4,968,594	\$ 629,315	\$ 5,597,909	25	\$ 4,781,884	\$ 255,989	\$ 5,037,873	21
June Totals	\$ 56,588,727	\$ 17,034,412	\$ 73,623,139	256	\$ 50,811,755	\$ 16,943,838	\$ 67,755,593	202

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON - EXPENDITURES

July 1, 2019 - June 30, 2020

and

July 1, 2018 - June 30, 2019

College/Division Expenditures	Fiscal Year 2020			Fiscal Year 2019		
	Direct	Indirect	Total	Direct	Indirect	Total
College of Business Administration	\$ 291,202	\$ -	\$ 291,202	\$ 256,196	\$ -	\$ 256,196
College of Education & Human Services	\$ 705,007	\$ 43,601	\$ 748,608	\$ 869,200	\$ 83,370	\$ 952,570
College of Engineering	\$ 1,799,089	\$ 554,006	\$ 2,353,094	\$ 1,466,484	\$ 429,565	\$ 1,896,049
College of Law	\$ 57,576	\$ -	\$ 57,576	\$ 33,481	\$ -	\$ 33,481
College of Liberal Arts & Social Sciences	\$ 326,346	\$ 64,198	\$ 390,543	\$ 247,548	\$ 23,935	\$ 271,483
School of Nursing	\$ 200,509	\$ 12,384	\$ 212,893	\$ 269,327	\$ 10,477	\$ 279,804
College of Sciences & Health Professions	\$ 2,879,628	\$ 888,250	\$ 3,767,878	\$ 2,847,186	\$ 988,866	\$ 3,836,052
College of Urban Affairs	\$ 1,260,748	\$ 162,368	\$ 1,423,116	\$ 1,257,717	\$ 135,363	\$ 1,393,080
Central Administration	\$ 5,249,184	\$ 310,248	\$ 5,559,432	\$ 5,905,319	\$ 289,050	\$ 6,194,369
June Totals	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343	\$ 13,152,458	\$ 1,960,626	\$ 15,113,084

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

**Sponsored Programs and Research Award Activity Detail
July 1, 2019 through June 30, 2020**

Supplement to June 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
\$26,839	U.S. Small Business Administration-Development Services Agency	Small Business Development Center - Cleveland State University	Colette Hart
\$18,335	Ohio Development Services Agency	SBDC FY19 Supplemental Grant Funding	Colette Hart
\$10,000	Ohio Development Services Agency	Ohio Export Internship Program	Colette Hart
\$10,000	Development Services Agency	Ohio Export Internship Programs	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			
\$98,350	Medical Mutual	FY20 Wellness Initiative	Jeanell Hughes
\$97,930	Medical Mutual	FY19 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
\$175,000	U.S. Department of Education	Cleveland State University TRIO/Student Support Services 2015-2020	Marina Bregu
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

Amount	Sponsor	Title	Principal Investigator
\$1,251	Case Western Reserve University (Cleveland Foundation)	Cleveland IoT Collaborative - Phase 2	Jerzy Sawicki
Student Affairs			
\$82,880	Global Cleveland	Economic Development Initiatives and Strategic Partnerships with Global Cleveland	Ali Soltanshahi
\$7,500	Ohio State University	Impaired Driving Prevention Pilot Program	Denise Keary
EDUCATION & HUMAN SERVICES			
CASAL			
\$24,512	Martha Holden Jennings Foundation	First Ring Leadership Academy: Professional Development Program for Teacher Leaders	Deborah Morin
\$24,483	Martha Holden Jennings Foundation	First Ring Leadership Academy: Professional Development Program for Teacher Leaders	Deborah Morin
Curriculum & Foundations			
\$4,000	Warrensville Heights School District (Ohio Department of Education)	Human Capital Strategies in Ohio Grant Opportunity	Diane Corrigan
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
\$27,148	Martha Holden Jennings Foundation	Youth Participatory Action Research	Mary Buckley
\$15,000	Martha Holden Jennings Foundation	Practitioner-Driven Action Research Professional Development Program: Partnership between Urban Public Schools and Cleveland State University	Grace Huang
\$15,000	Martha Holden Jennings Foundation	Teacher Action Research	Grace Huang
Urban Education			
\$1,399,067	U.S. Department of Education	Youth Participatory Action Research in the Secondary Curriculum	Adam Voight
\$116,493	Ohio Department of Education	Evidence for School Climate and School Climate Improvement Process Research Project	Adam Voight
\$84,228	University of Berkley (William T. Grant Foundation)	Who is Hearing "Youth Voice" Research? Strengthening the Use of Research Evidence from Youth Participatory Action Research (YPAR)	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 nanoplatfrom 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
\$99,792	Case Western Reserve University (National Science Foundation)	CAREER: Interrogating Dense Anisotropic Colloidal Suspensions with SMRTIRM	Nolan Holland
\$12,500	The Ohio State University (Ohio Department of Higher Education)	I-Corps@Ohio - Hexagonal Boron Nitride Nanosheets as Sunscreen	Geyou Ao
\$12,474	Case Western Reserve University (National Science Foundation)	GOALI: Collaborative Research: Non-Invasive Measurement of Kinematics and Rheology in a Drying Complex Fluid	Nolan Holland

Amount	Sponsor	Title	Principal Investigator
\$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			
\$260,392	National Science Foundation	Inter-governmental Agreement	Nigamanth Sridhar
\$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
\$249,569	Ohio Department of Higher Education Third Frontier	Controlling Functional Reaching with Eye and Head Movements of People with High Cervical Spinal Cord Injuries	Eric Scheerer
\$194,998	National Science Foundation	Collaborative Research: IRES Track I: US-Korea Collaboration on Biomimicry and Bio-inspired Fluid Flows (BIOFLOW IRES)	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
\$11,680	Ohio Space Grant Consortium	OSGC Internship	Wei Zhang
\$5,000	Ohio Space Grant Consortium	Flow Physics of Transient Rooftop Vortices at High Reynolds Numbers to Mitigate Wind Hazards	Wei Zhang
LAW			
Law			
\$100,000	George Gund Foundation	Day 1 Project	Jonathan Witmer-Rich
\$39,550	Charles Koch Foundation	Pandemic Privacy	Brian Ray
\$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

Amount	Sponsor	Title	Principal Investigator
\$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
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
\$25,000	University of California, San Francisco (National Institutes of Health)	Correctional Health Services for Older Adults: Older Adult and Caregiver Perspectives	Meghan Novisky
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 (Center for Disease Control and 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
\$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
\$108,317	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
\$50,000	Cooley's Anemia Foundation	Cooley Anemia	Merlin Nithya Gnanapragasam
\$9,989	Ohio Sea Grant at Ohio State University	Identifying tree species and traits that best reduce stormwater flows and nutrient pollution	Kevin Mueller
Chemistry			
\$371,250	Cleveland Clinic Lerner College of Medicine (National Institutes of Health)	Gut Microbiome and Cardiometabolic Diseases	Valentin Gogonea

Amount	Sponsor	Title	Principal Investigator
\$65,739	Cleveland Clinic Foundation (National Institutes of Health)	Multisite phosphorylated S6K1 directs a regulatory module determining adipocyte lipid metabolism	Valentin Gogonea
Gene Regulation in Health & Disease			
\$1,485,000	National Institutions 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
\$130,478	Brookhaven National Laboratory (U.S. Department of Energy)	ARM Mobile Facility 3	Thijs Heus
Psychology			
\$252,819	Ohio Department of Higher Education Third Frontier	Targeting patient-specific risk patterns for opioid use and cravings in "real time" will improve treatment outcomes	Ilya Yaroslavsky
\$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
\$1,500	National Association of School Psychologists	The Role of School Psychologists in Supporting Students Experiencing Discrimination	Shereen Naser
URBAN			
Dean's Office			
\$982,322	Ohio Department of Higher Education Third Frontier	Survive and Thrive	Roland Anglin
\$500,000	Ohio Department of Higher Education	Regional Leadership Development Initiative	Roland Anglin
\$40,000	City of East Cleveland	Creating Visioning Project for City of East Cleveland	Roland Anglin
Research & Public Policy			
\$400,000	Public Utilities Commission of Ohio	The Center for Emergency Preparedness	Robert Ziol
\$287,000	Cleveland Browns Football Company LLC	The community and economic impact of the Cleveland Browns on the region	Iryna Lendel
\$120,000	Advocate Aurora Health	Economic Impact of Advocate Aurora Health	Iryna Lendel
\$100,000	JobsOhio	Shale Investment Dashboard FY2020	Andrew Thomas
\$100,000	Ohio Department of Higher Education	Co-op Internship Program	Robert Ziol
\$82,500	Cleveland Indians Baseball, LLC	Economic Impact of Cleveland Indians	Iryna Lendel

Amount	Sponsor	Title	Principal Investigator
\$80,000	U.S. Department of Commerce	EDA FY20-Yr 4 of 5	Iryna Lendel
\$80,000	Cuyahoga County Headquarters	Cuyahoga County Clean Energy Development	Andrew Thomas
\$75,000	Cuyahoga County Headquarters	Cuyahoga County Clean Energy Development	Andrew Thomas
\$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
\$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			
\$75,000	US Department of Commerce	Technical Assistance for Eastgate	Iryna Lendel
\$65,000	Cuyahoga County	Cuyahoga County Research Services	Iryna Lendel
\$36,900	CSU Research Corporation (Jobs Ohio)	TRC Economic Impact	Iryna Lendel
\$36,100	CSU Research Corporation (CareSource)	Economic Impact of Care Source on the Region	Iryna Lendel
\$36,100	CSU Research Corporation (Jobs Ohio)	Economic Impact of CareSource on the Regional Economy	Iryna Lendel
Urban Studies			
\$250,000	US Department of Transportation (Stark County)	FY 2019 FTA Integrate Mobility Innovation (IMI) Demonstration	Robert Simons
\$10,600	City of Pepper Pike	Fiscal Model for City of Pepper Pike	Robert Gleeson

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.