

**Cleveland State University**  
**Office of the Vice President for Research**  
 Sponsored Programs and Research Services  
 Jerzy T. Sawicki, Ph.D.

**YEAR-TO-DATE SUMMARY COMPARISON**

**July 1, 2017 - June 30, 2018**

**and**

**July 1, 2016 - June 30, 2017**

**Awards**

	<b>Dollars</b>				<b>Numbers</b>	
	Direct	Indirect	Total	% Change (Total)		% Change
2017-2018	\$ 14,267,791	\$ 2,815,598	\$ 17,083,389	25.5%	139	6.9%
2016-2017	\$ 11,997,915	\$ 1,619,736	\$ 13,617,651		130	

**Proposals**

	<b>Dollars</b>				<b>Numbers</b>	
	Direct	Indirect	Total	% Change (Total)		% Change
2017-2018	\$ 57,181,638	\$ 17,864,903	\$ 75,046,541	-20.8%	253	-5.2%
2016-2017	\$ 76,872,314	\$ 17,886,781	\$ 94,759,095		267	

**Expenditures**

	<b>Dollars</b>			
	Direct	Indirect	Total	% Change (Total)
2017-2018	\$ 12,596,056	\$ 1,858,352	\$ 14,454,408	0.3%
2016-2017	\$ 12,626,786	\$ 1,784,784	\$ 14,411,570	

**Awards** *Includes Total Project Award Amount*

**Monthly Comparison**

	<b>Fiscal Year 2018</b>			<b>Fiscal Year 2017</b>		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 1,840,854	\$ 175,638	\$ 2,016,492	\$ 1,056,687	\$ 159,251	\$ 1,215,938
August	\$ 2,383,653	\$ 635,264	\$ 3,018,917	\$ 1,452,254	\$ 122,490	\$ 1,574,744
September	\$ 1,866,889	\$ 234,480	\$ 2,101,369	\$ 1,121,332	\$ 87,808	\$ 1,209,140
October	\$ 284,919	\$ 28,986	\$ 313,905	\$ 657,451	\$ 218,052	\$ 875,503
November	\$ 1,226,233	\$ 402,669	\$ 1,628,902	\$ 43,852	\$ 15,857	\$ 59,709
December	\$ 560,701	\$ 108,120	\$ 668,821	\$ 277,405	\$ 7,277	\$ 284,682
January	\$ 2,028,135	\$ 652,860	\$ 2,680,995	\$ 698,713	\$ 46,455	\$ 745,168
February	\$ 1,750,629	\$ 112,495	\$ 1,863,124	\$ 940,668	\$ 77,959	\$ 1,018,627
March	\$ 1,341,512	\$ 377,337	\$ 1,718,849	\$ 1,710,530	\$ 580,846	\$ 2,291,376
April	\$ 147,495	\$ 17,733	\$ 165,228	\$ 192,360	\$ 26,630	\$ 218,990
May	\$ 310,219	\$ 18,608	\$ 328,827	\$ 934,812	\$ 158,831	\$ 1,093,643
June	\$ 526,552	\$ 51,408	\$ 577,960	\$ 2,911,851	\$ 118,280	\$ 3,030,131
<b>Totals</b>						
June	\$ 14,267,791	\$ 2,815,598	\$ 17,083,389	\$ 11,997,915	\$ 1,619,736	\$ 13,617,651
Fiscal Year	\$ 14,267,791	\$ 2,815,598	\$ 17,083,389	\$ 11,997,915	\$ 1,619,736	\$ 13,617,651

**Cleveland State University**  
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 Jerzy T. Sawicki, Ph.D.

**Proposals**

**Monthly Comparison**

	Fiscal Year 2018			Fiscal Year 2017		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 6,250,505	\$ 2,095,763	\$ 8,346,268	\$ 7,088,631	\$ 2,106,038	\$ 9,194,669
August	\$ 2,548,761	\$ 339,760	\$ 2,888,521	\$ 3,708,007	\$ 737,156	\$ 4,445,163
September	\$ 2,959,327	\$ 1,207,123	\$ 4,166,450	\$ 9,638,415	\$ 1,590,701	\$ 11,229,116
October	\$ 9,625,191	\$ 3,482,509	\$ 13,107,700	\$ 6,650,578	\$ 2,498,226	\$ 9,148,804
November	\$ 1,395,612	\$ 548,716	\$ 1,944,328	\$ 2,881,413	\$ 913,238	\$ 3,794,651
December	\$ 784,118	\$ 240,380	\$ 1,024,498	\$ 6,278,692	\$ 1,294,788	\$ 7,573,480
January	\$ 3,258,348	\$ 825,244	\$ 4,083,592	\$ 5,184,764	\$ 1,308,151	\$ 6,492,915
February	\$ 8,662,268	\$ 2,441,158	\$ 11,103,426	\$ 8,052,748	\$ 2,752,824	\$ 10,805,572
March	\$ 5,052,839	\$ 1,661,514	\$ 6,714,353	\$ 3,615,156	\$ 712,715	\$ 4,327,871
April	\$ 817,797	\$ 352,578	\$ 1,170,375	\$ 6,969,961	\$ 277,687	\$ 7,247,648
May	\$ 6,842,919	\$ 2,114,307	\$ 8,957,226	\$ 5,037,539	\$ 983,178	\$ 6,020,717
June	\$ 8,983,953	\$ 2,555,851	\$ 11,539,804	\$ 11,766,411	\$ 2,712,079	\$ 14,478,490
<b>Totals</b>						
June	\$ 57,181,638	\$ 17,864,903	\$ 75,046,541	\$ 76,872,315	\$ 17,886,781	\$ 94,759,096
Fiscal Year	\$ 57,181,638	\$ 17,864,903	\$ 75,046,541	\$ 76,872,315	\$ 17,886,781	\$ 94,759,096

**Expenditures**

**Monthly Comparison**

	Fiscal Year 2018			Fiscal Year 2017		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 1,034,917	\$ 204,468	\$ 1,239,385	\$ 1,133,873	\$ 231,036	\$ 1,364,909
August	\$ 992,670	\$ 196,974	\$ 1,189,643	\$ 1,404,360	\$ 194,345	\$ 1,598,705
September	\$ 860,645	\$ 152,813	\$ 1,013,458	\$ 1,068,678	\$ 130,623	\$ 1,199,301
October	\$ 732,240	\$ 103,562	\$ 835,802	\$ 870,677	\$ 149,098	\$ 1,019,775
November	\$ 754,907	\$ 95,183	\$ 850,090	\$ 650,966	\$ 128,068	\$ 779,034
December	\$ 1,297,665	\$ 118,294	\$ 1,415,959	\$ 836,480	\$ 104,389	\$ 940,869
January	\$ 1,063,702	\$ 94,638	\$ 1,158,340	\$ 1,362,039	\$ 94,004	\$ 1,456,043
February	\$ 695,835	\$ 129,179	\$ 825,014	\$ 684,379	\$ 96,025	\$ 780,404
March	\$ 907,528	\$ 120,463	\$ 1,027,991	\$ 754,706	\$ 102,766	\$ 857,472
April	\$ 903,308	\$ 116,868	\$ 1,020,176	\$ 998,966	\$ 117,044	\$ 1,116,010
May	\$ 1,205,759	\$ 164,230	\$ 1,369,989	\$ 1,420,626	\$ 194,414	\$ 1,615,040
June	\$ 2,146,881	\$ 361,681	\$ 2,508,562	\$ 1,441,036	\$ 242,972	\$ 1,684,008
<b>Totals</b>						
June	\$ 12,596,056	\$ 1,858,352	\$ 14,454,408	\$ 12,626,786	\$ 1,784,784	\$ 14,411,570
CSU Fiscal Year	\$ 12,596,056	\$ 1,858,352	\$ 14,454,408	\$ 12,626,786	\$ 1,784,784	\$ 14,411,570
CCF Fiscal Year*			\$ -			\$ 52,461,022
<b>Grand Total</b>	\$ 12,596,056	\$ 1,858,352	\$ 14,454,408	\$ 12,626,786	\$ 1,784,784	\$ 66,872,592

\*\*CCF Expenditures will be updated when available.

# Cleveland State University

## Office of the Vice President for Research

Sponsored Programs and Research Services

Jerzy T. Sawicki, Ph.D.

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### YEAR-TO-DATE SUMMARY COMPARISON - AWARDS

July 1, 2017 - June 30, 2018

and

July 1, 2016 - June 30, 2017

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#### College/Division

**Awards** *Includes Total Project Award Amount*

	Fiscal Year 2018				Fiscal Year 2017			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 248,892	\$ -	\$ 248,892	4	\$ 242,946	\$ -	\$ 242,946	3
College of Education & Human Services	\$ 657,519	\$ 36,357	\$ 693,876	12	\$ 1,159,881	\$ 189,727	\$ 1,349,608	18
College of Engineering	\$ 2,120,292	\$ 749,563	\$ 2,869,855	16	\$ 1,109,055	\$ 143,277	\$ 1,252,332	15
College of Law	\$ -	\$ -	\$ -	0	\$ -	\$ -	\$ -	0
College of Liberal Arts & Social Sciences	\$ 514,945	\$ 78,680	\$ 593,625	16	\$ 113,715	\$ 25,043	\$ 138,758	11
School of Nursing	\$ 330,199	\$ 9,216	\$ 339,415	6	\$ 382,768	\$ 43,126	\$ 425,894	5
College of Sciences & Health Professions	\$ 5,388,664	\$ 1,672,864	\$ 7,061,528	30	\$ 3,009,374	\$ 1,052,503	\$ 4,061,877	20
College of Urban Affairs	\$ 1,739,763	\$ 166,895	\$ 1,906,658	36	\$ 1,525,878	\$ 112,922	\$ 1,638,800	37
Central Administration	\$ 3,267,517	\$ 102,022	\$ 3,369,539	19	\$ 4,454,298	\$ 53,138	\$ 4,507,436	21
<b>June Totals</b>	<b>\$ 14,267,791</b>	<b>\$ 2,815,597</b>	<b>\$ 17,083,388</b>	<b>139</b>	<b>\$ 11,997,915</b>	<b>\$ 1,619,736</b>	<b>\$ 13,617,651</b>	<b>130</b>

# Cleveland State University

Office of the Vice President for Research

Sponsored Programs and Research Services

Jerzy T. Sawicki, Ph.D.

## YEAR-TO-DATE SUMMARY COMPARISON - PROPOSALS

July 1, 2017 - June 30, 2018

and

July 1, 2016 - June 30, 2017

### College/Division Proposals

	Fiscal Year 2018				Fiscal Year 2017			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 10,000	\$ -	\$ 10,000	1	\$ 714,457	\$ 101,223	\$ 815,680	7
College of Education & Human Services	\$ 3,596,817	\$ 756,628	\$ 4,353,445	23	\$ 7,001,881	\$ 944,078	\$ 7,945,959	27
College of Engineering	\$ 20,590,784	\$ 7,488,158	\$ 28,078,942	56	\$ 26,282,770	\$ 7,721,898	\$ 34,004,668	57
College of Law	\$ 416,582	\$ 177,713	\$ 594,295	3	\$ -	\$ -	\$ -	0
College of Liberal Arts & Social Sciences	\$ 1,421,727	\$ 319,162	\$ 1,740,889	26	\$ 1,961,747	\$ 263,345	\$ 2,225,092	22
School of Nursing	\$ 3,626,850	\$ 420,265	\$ 4,047,115	8	\$ 1,116,976	\$ 88,991	\$ 1,205,967	7
College of Sciences & Health Professions	\$ 15,909,870	\$ 6,191,307	\$ 22,101,177	61	\$ 23,828,170	\$ 7,613,408	\$ 31,441,578	78
College of Urban Affairs	\$ 2,665,682	\$ 424,914	\$ 3,090,596	45	\$ 2,481,527	\$ 463,041	\$ 2,944,568	45
Central Administration	\$ 8,943,326	\$ 2,086,756	\$ 11,030,082	30	\$ 13,484,786	\$ 690,797	\$ 14,175,583	24
<b>June Totals</b>	<b>\$ 57,181,638</b>	<b>\$ 17,864,903</b>	<b>\$ 75,046,541</b>	<b>253</b>	<b>\$ 76,872,314</b>	<b>\$ 17,886,781</b>	<b>\$ 94,759,095</b>	<b>267</b>

**Cleveland State University**  
**Office of the Vice President for Research**  
 Sponsored Programs and Research Services  
 Jerzy T. Sawicki, Ph.D.

**YEAR-TO-DATE SUMMARY COMPARISON - EXPENDITURES**

**July 1, 2017 - June 30, 2018**

**and**

**July 1, 2016 - June 30, 2017**

College/Division Expenditures	Fiscal Year 2018			Fiscal Year 2017		
	Direct	Indirect	Total	Direct	Indirect	Total
College of Business Administration	\$ 238,539	\$ -	\$ 238,539	\$ 309,665	\$ -	\$ 309,665
College of Education & Human Services	\$ 1,037,610	\$ 80,907	\$ 1,118,517	\$ 1,109,618	\$ 34,850	\$ 1,144,468
College of Engineering	\$ 1,721,089	\$ 412,563	\$ 2,133,652	\$ 1,759,312	\$ 528,070	\$ 2,287,382
College of Law	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
College of Liberal Arts & Social Sciences	\$ 284,899	\$ 42,078	\$ 326,977	\$ 244,532	\$ 19,587	\$ 264,119
School of Nursing	\$ 251,283	\$ 8,692	\$ 259,975	\$ 405,739	\$ 33,512	\$ 439,251
College of Sciences & Health Professions	\$ 3,136,573	\$ 956,945	\$ 4,093,518	\$ 2,911,191	\$ 794,331	\$ 3,705,522
College of Urban Affairs	\$ 1,302,658	\$ 133,784	\$ 1,436,442	\$ 1,775,113	\$ 177,341	\$ 1,952,454
Central Administration	\$ 4,623,405	\$ 223,384	\$ 4,846,789	\$ 4,111,616	\$ 197,093	\$ 4,308,709
<b>June Totals</b>	<b>\$ 12,596,056</b>	<b>\$ 1,858,353</b>	<b>\$ 14,454,409</b>	<b>\$ 12,626,786</b>	<b>\$ 1,784,784</b>	<b>\$ 14,411,570</b>

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

**Sponsored Programs and Research Award Activity Detail  
July 1, 2017 through June 30, 2018**

*Supplement to June 2018 Monthly Activity Report*

Amount	Sponsor	Title	Principal Investigator
<b>BUSINESS</b>			
<b>Central Administration</b>			
\$2,993	Cuyahoga County	Recycling Container Grant 2	Jennifer McMillin
<b>Dean's Office</b>			
\$160,000	Small Business Development Administration	Small Business Development Centers	Colette Hart
\$75,899	Ohio Developmental Services Agency	State - SBDC - ODOF funds	Colette Hart
\$10,000	Ohio Developmental Services Agency	Ohio Export Internship Program	Colette Hart
<b>CENTRAL ADMINISTRATION</b>			
<b>Academic Programs</b>			
\$180,000	PNC Foundation	Peer Mentoring Program	Peter Meiksins
\$3,100	Association of Public & Land Grant Universities	Connect to College	Peter Meiksins
<b>Graduate Studies</b>			
\$136,080	Cleveland Foundation	CS for All in CMSD (CS for CLE) - Phase III	Nigamanth Sridhar
<b>Health Services</b>			
\$1,500	Ohio College Health Association	International Student Peer Education Program	Denise Keary
<b>Library</b>			
\$4,933	State Library of Ohio	Globe Theater Model Restoration LSTA Grant	Marsha Miles
<b>Provost</b>			
\$1,025,800	Ohio Board of Regents	Choose Ohio First FY2018	Barbara Margolius
\$443,805	Hanban Confucius Institute HQ	Confucius Institute	Yan Xu
\$90,000	Hanban Confucius Institute HQ	High School Collaboration: Euclid; Chillicothe and MC Stem	Yan Xu
<b>Research Office</b>			
\$889,768	Case Western Reserve University (Cleveland Foundation)	CWRU CSU The Cleveland IoT: Creating Our Future Together	Jerzy Sawicki
\$400,000	State of Ohio, Ohio Development Services Agency	CSU/KSU TVSF Track B Proposal	Jerzy Sawicki
\$96,482	University Space Research Association (NASA)	Nondestructive Research and Development, and Facilities Maintenance in Support of the Aerojet Additive Manufacturing Space Act Agreement	Jerzy Sawicki
<b>Student Affairs</b>			
\$9,501	State of Ohio	State Subsidy Disability Services	Linda Casalina
\$5,000	Interfaith Youth Core	Multifaith Committee	Chavilah Witt
\$2,000	Northeast Ohio Medical University	ALIVE! Mental Health Fair	Denise Keary
\$1,250	Prevention Action Alliance	Alcohol Free Program	Denise Keary

<b>Amount</b>	<b>Sponsor</b>	<b>Title</b>	<b>Principal Investigator</b>
<b>University Engagement</b>			
\$69,741	Cleveland Public Library	America Reads Program 2017-2018	Julian Rogers
<b>University Police</b>			
\$12,080	Ohio Attorney General's Office	OAC Training Funds	Anthony Traska
<b>EDUCATION &amp; HUMAN SERVICES</b>			
<b>CASAL</b>			
\$23,875	Martha Holden Jennings Foundation	First Ring Leadership Academy: Professional Development Program for Teacher Leaders	Deborah Morin
<b>Dean's Office</b>			
\$162,546	Cleveland Foundation	Cleveland Foundation Teaching Fellows Program (Year 3)	Sajit Zachariah
\$99,985	Ohio Dept. of Education (U.S. Dept. of Education)	Innovation in Urban Principal Preparation across Northeast Ohio	Sajit Zachariah
<b>Health &amp; Human Performance</b>			
\$18,000	St. Luke's Foundation	CSU-CMSD School Health Fellowship Project	Judith Ausherman
<b>Teacher Education</b>			
\$125,000	Ohio Dean's Compact on Exceptional Children	Project DREAM: Dual Resident Education Action Model	Tachelle Banks
\$100,000	Ohio Department of Education	Urban Health Fellows Community Connector Project	Joanne Goodell
\$81,100	Northeast Ohio Medical University (Health Resources & Services Administration)	The Health Careers Opportunity Program (HCOP) of the Ohio Alliance	Joanne Goodell
\$30,000	Martha Holden Jennings Foundation	Teacher Action Research	Grace Huang
\$27,741	Martha Holden Jennings Foundation	CHAMPS 360	Joanne Goodell
\$25,000	Battelle Memorial Institute	Battelle Support for Northeast Ohio Regional	Debbie Jackson
<b>ENGINEERING</b>			
<b>Chemical &amp; Biomedical</b>			
\$500,000	National Science Foundation	Interrogating dense anisotropic colloidal suspensions with SMR-TIRM	Christopher Wirth
\$96,257	Invacare Corporation	Next Generator Oxygen Concentrators-Amendment 5	Orhan Talu
\$61,182	PPG Industries	Development of a Particle Based Non-Invasive Inspection Technique for Paint	Christopher Wirth
\$20,014	California State University (NASA)	Pore-Mushy Zone Interaction during Directional Solidification of Alloys: Three Dimensional Simulation and Comparison with Experiments	Surendra Tewari
\$13,656	Cuyahoga Community College (National Institutes of Health)	Bridges to Success in Sciences	Jorge Gatica
<b>Dean's Office</b>			
\$171,112	Ohio Department of Higher Education (Ohio Board of Regents)	RAPIDS	Anette Karlsson
\$29,633	Ohio Space Grant Consortium	Ohio Space Grant AY18	Rose Begalla
<b>Electrical &amp; Computer</b>			
\$999,891	National Science Foundation	CSforAll RPP: Learning from a District-Wide CSforAll Implementation	Nigamanth Sridhar
\$260,040	Cleveland Foundation	Year 2: Computer Science for All Students (CS for All)	Nigamanth Sridhar



<b>Amount</b>	<b>Sponsor</b>	<b>Title</b>	<b>Principal Investigator</b>
\$50,000	National Science Foundation	I-Corps: Securing Mobile Devices with Memorable, Usable, and Secure Authentication	Ye Zhu
<b>Mechanical</b>			
\$549,994	National Science Foundation	CAREER: Caregiver Teaching of Neuroprostheses Functional Reaching: Educating Empathetic Engineers to Create Solutions for High Tetraplegia	Eric Schearer
\$108,179	Cleveland Clinic Foundation (National Institutes of Health)	Reproducibility in simulation-based prediction of natural knee mechanics	Jason Halloran
\$9,897	National Science Foundation	REU Site: Engineering and Computing in Rehabilitation and Assistive Technologies	Eric Schearer
<b>LIBERAL ARTS &amp; SOCIAL SCIENCES</b>			
<b>Art</b>			
\$13,752	Ohio Arts Council	Sustainability 2018	Robert Thurmer
<b>Dean's Office</b>			
\$8,000	Kulas Foundation	Kulas Student Ticket Program	Gregory Sadlek
<b>English</b>			
\$74,300	Cleveland Foundation	Anisfield Wolf Managing Editor Fellowship	Frederick Karem
<b>History</b>			
\$74,939	National Endowment for the Humanities	Curating East Africa: A Platform and Process for Location-Based Storytelling in the Developing World	J. Mark Souther
\$16,843	City of Shaker Heights	Moreland History Project	J. Mark Souther
\$2,797	Dittrick Medical History Center and Museum	Dittrick Museum Navigation	J. Mark Souther
<b>Music</b>			
\$11,500	Cleveland Foundation	CAEC Growth 2017-2018	Judith Ryder Frumker
\$7,500	George Gund Foundation	Cleveland Arts Education Consortium (CAEC) Programs & Strategy 2017-2018	Judith Ryder Frumker
\$5,000	Char and Chuck Fowler Family Foundation	Fowler-Inclusion in the Arts	Judith Ryder Frumker
\$2,000	Nord Family Foundation	Nord Family Foundation CAEC Programs & Planning 2017-18	Judith Ryder Frumker
\$1,500	Cyrus Eaton Foundation	2017-18 CAEC Programs-Planning-Projects	Judith Ryder Frumker
\$1,000	Martha Holden Jennings Foundation	Martha Holden Jennings Evaluation Workshop	Judith Ryder Frumker
<b>Social Work</b>			
\$246,500	Ohio Department of Job and Family Services	Child Welfare Workforce Professional Education	Catherine Lewandowski
\$91,384	MetroHealth System	Community Led Interventions for Addressing Health Disparities	Cyleste Collins
\$16,609	Birthing Beautiful Communities	Birthing Beautiful Communities Program Evaluation	Cyleste Collins
<b>Sociology</b>			
\$20,000	Woodruff Foundation	Implementing a Web Service for Matching Drug Addiction Treatment Services	Miyuki Tedor
<b>NURSING</b>			
<b>Nursing</b>			
\$200,000	Ohio Board of Nursing	Nurse Education Grant Program	Pamela Rutar

Amount	Sponsor	Title	Principal Investigator
\$81,246	NEOMED (Health Resources and Services Administration)	Area Health Education Centers Point of Service Maintenance and Enhancement Awards	Pamela Rutar
\$25,944	Summa (Health Resources & Service Administration)	Geriatrics Workforce Enhancement	Cheryl Delgado
\$17,225	Summa Health System	Nurse Education, Practice, Quality, and Retention-Interprofessional Practice	Joan Niederriter
\$15,000	Saint Lukes Foundation	Improved Health Outcomes for Populations thru Education (I-HOPE)	Joan Thoman

## SCIENCES & HEALTH PROFESSIONS

### Bio, Geo, Environ

\$2,979	Geauga Park District	Restoration and functional diversity of meadow ecosystems	Emily Rauschert
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### Chemistry

\$116,820	Cleveland Clinic Lerner College of Medicine (National Institute of Health)	HDL Structure, Function and Dysfunction	Valentin Gogonea
\$35,648	Cleveland Clinic (National Institute of Health)	Mechanism of ApoA1 Lipidation by ABCA1 in HDL biogenesis	Valentin Gogonea

### Dean's Office

\$1,137,995	U.S. Department of Education	Cleveland State University TRIO McNair Scholars Program	Justin Wilson
\$20,322	Ohio State University (National Institute of Health)	Ohio LSAMP Alliance	John Holcomb

### Gene Regulation in Health & Disease

\$2,020,012	National Institutes of Health	Role of Chromosomally Tethered Proteasome in Chromosome Pairing and Meiotic Recombination	Valentin Boerner
\$1,891,391	National Institutes of Health	Molecular dynamics of genome and epigenome integrity in Trypanosoma brucei	Hee-Sook & Bibo Kim & LI
\$445,500	National Institutes of Health	Synthesis of Biomimetic Proteoglycan and Its Antithrombotic Activity	Xue-Long Sun
\$163,076	National Institutes of Health	A Digital Laser Scanner Biomolecular Imaging System: Amersham Typhoon 5	Bibo Li
\$7,275	National Institutes of Health	Translational Silencing in Monocytes: Role of L13a	Barsanjit Mazumder

### Health Sciences

\$195,446	American Heart Association	Balance Training Post Stroke	Ann Reinthal
\$97,038	University of Connecticut (Robert Wood Johnson Foundation)	Who Deserves a Healthy Life? How Implicit Deservingness Assessments Impact Efforts to Build a Culture of Health	Colleen Walsh
\$20,021	University of Delaware	Go Baby Go Project - Salary only	Elizabeth Domholdt
\$10,000	The Reinberger Foundation	PLAAY on the Move: Providing Accessible and Engaging Experiences for Children with Sensory and Motor Impairments in the Community	Madalynn Wendland

### Mathematics

\$48,747	Center for Produce Safety	Mathematical modeling tools for practical chlorine control in produce wash process	Daniel Munther
\$27,500	Cleveland Metropolitan School District	Math Corps at CSU/CMSD Math Initiative Support 2018	Lindsay Pier
\$15,551	Sisters of Charity Foundation	Math Corps 2017	Lindsay Pier
\$14,840	Cornell University	FSMA agricultural-water die-off compliance provisions benefit from condition specific modifiers	Daniel Munther
\$10,000	Cleveland Public Library	The Math Corps at CSU at the Cleveland Public Library	Lindsay Pier

Amount	Sponsor	Title	Principal Investigator
<b>Physics</b>			
\$602,178	Department of Energy (Office of Science)	Size decompositions of observed and simulated shallow convective cloud fields	Thijs Heus
\$16,725	Case Western Reserve University (National Institutes of Health)	Salt-Sensitive Hypertension: Role of renal superoxide	Andrew Resnick
<b>Psychology</b>			
\$113,415	University of Pittsburgh (National Institutes of Health)	Does getting older signal improved mood repair for people with early-onset mood disorder histories? A longitudinal study of mechanism and outcomes across middle age.	Ilya Yaroslavsky
\$27,805	University of Pittsburgh (National Institutes of Health)	Biobehavioral inflexibility and risk for juvenile-onset depression	Ilya Yaroslavsky
\$15,544	Indiana University	The Aging BrainCare ANSWERS Project	Katherine Judge
\$4,201	Northwestern University (National Institutes of Health)	Language in Primary Progressive Aphasia	Robert Hurley
<b>URBAN</b>			
<b>Research &amp; Public Policy</b>			
\$300,000	The George Gund Foundation	Monitoring Regional Economic Performance to Advance Inclusive Growth (EIC Roundtable)	Iryna Lendel
\$200,000	Cleveland Foundation	Economic Inclusion Program of Greater University Circle Year 2	Walter Wright
\$160,000	Economic Development Administration	EDA University Center FY17 & FY18	Iryna Lendel
\$150,000	JobsOhio	JobsOhio Retainer 2017-2020	Iryna Lendel
\$107,600	Regional Transportation Improvement Project	Route 30 Economic Impact	Iryna Lendel
\$100,000	Ohio Dept of Higher Education	Co-op Internship Program	Robert Ziol
\$50,000	Cleveland Foundation	Greater University Circle Evaluation 2017	Candice Clouse
\$40,500	JumpStart Inc.	JumpStart Impact - 2017	Candice Clouse
\$32,000	BorderLight	BorderLight Feasibility Study	Iryna Lendel
\$28,700	Neighborhood Leadership Institute	Training and Development-Fixed	Robert Ziol
\$28,500	Hispanic Business Center	Potential economic impact of the La Villa Hispana	Iryna Lendel
\$23,000	Urban Land Institute	Co-Working Spaces	Merissa Piazza
\$17,425	American Civil Liberties Union	Preparation of data for Ohio redistricting analysis	Mark Salling
\$16,060	Ohio Manufacturers' Association	Assist OMA in production of the 2018 Election Guide	Mark Salling
\$12,540	Emerald Development and Economic Network, Inc.	Examination of scattered site portfolio	Molly Schnoke
\$11,366	Hunger Network of Greater Cleveland	Assist the Hunger Network of Greater Cleveland in Assessing Its Food Pantry Distribution	Mark Salling
\$10,000	Foundation Center, Midwest	Economic Development Philanthropy in Ohio	Molly Schnoke
\$7,500	Cleveland Development Advisors	CDA Economic Impact 2018	Candice Clouse

<b>Amount</b>	<b>Sponsor</b>	<b>Title</b>	<b>Principal Investigator</b>
\$5,000	Westown Community Development Corp.	Westown Variety Theater 2017	Robert Simons
\$3,569	Ohio City Incorporated	Ohio City Street Festival Attendee Survey	Molly Schnoke
\$3,370	City of Oberlin	Oberlin Planning Commissioner Training	Kirby Date
\$2,351	Urban Land Institute	Urban Plan for Public Officials	Robert Ziol
\$1,500	Cleveland Clinic Foundation	CCF Employee Data 2018	Iryna Lendel
\$1,150	University Circle, Inc.	UCI Geocoding 2018	Candice Clouse
<b>Urban Affairs</b>			
\$245,506	Public Utilities Commission of Ohio (PUCO)	The Center for Emergency Preparedness	Bernard Becker
\$50,000	Cleveland Foundation	Follow Up for Fifth Migration	Richard Piiparinen
\$49,921	Spencer Foundation	Citizen Responses to Official and Unofficial School Performance Data	Jeffrey Snyder
\$35,000	Cleveland Foundation	The Healing Economy Roundtable	Richard Piiparinen
\$25,000	Cleveland-Marshall Law Alumni Association (CMLAA)	CMLAA Project	Erin Vokes
\$19,000	Ohio Housing Finance Agency	LIHTC Delinquency and Stability	Brian Mikelbank
\$14,000	Downtown Cleveland Alliance	Downtown Cleveland Alliance Research Proposal Producer City	Richard Piiparinen
\$7,500	Cuyahoga Community College	Stokes 50th Report	Richard Piiparinen

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.