

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON

July 1, 2020 - December 31, 2020

and

July 1, 2019 - December 31, 2019

Awards

	Dollars			% Change (Total)	Numbers	
	Direct	Indirect	Total			% Change
2020-2021	\$ 11,951,520	\$ 2,779,880	\$ 14,731,400	122.9%	70	18.6%
2019-2020	\$ 5,677,095	\$ 931,901	\$ 6,608,996		59	

Proposals

	Dollars			% Change (Total)	Numbers	
	Direct	Indirect	Total			% Change
2020-2021	\$ 22,386,169	\$ 7,004,204	\$ 29,390,373	-24.9%	119	-15.0%
2019-2020	\$ 30,444,011	\$ 8,670,402	\$ 39,114,413		140	

Expenditures

	Dollars			% Change (Total)
	Direct	Indirect	Total	
2020-2021	\$ 6,492,358	\$ 1,018,583	\$ 7,510,941	3.9%
2019-2020	\$ 6,173,872	\$ 1,055,579	\$ 7,229,451	

Awards *Includes Total Project Award Amount*

Monthly Comparison

	Fiscal Year 2021			Fiscal Year 2020		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 1,725,040	\$ 145,707	\$ 1,870,747	\$ 339,650	\$ 60,736	\$ 400,386
August	\$ 5,738,707	\$ 1,353,198	\$ 7,091,905	\$ 459,614	\$ 138,507	\$ 598,121
September	\$ 1,410,342	\$ 267,909	\$ 1,678,251	\$ 2,822,290	\$ 230,809	\$ 3,053,099
October	\$ 572,525	\$ 137,652	\$ 710,177	\$ 505,425	\$ 119,740	\$ 625,165
November	\$ 602,671	\$ 144,900	\$ 747,571	\$ 1,129,223	\$ 329,811	\$ 1,459,034
December	\$ 1,902,235	\$ 730,514	\$ 2,632,749	\$ 420,893	\$ 52,298	\$ 473,191
January			\$ -	\$ 2,826,941	\$ 660,387	\$ 3,487,328
February			\$ -	\$ 263,717	\$ 51,918	\$ 315,635
March			\$ -	\$ 2,820,439	\$ 698,162	\$ 3,518,601
April			\$ -	\$ 886,862	\$ 173,053	\$ 1,059,915
May			\$ -	\$ 588,274	\$ 16,006	\$ 604,280
June			\$ -	\$ 1,860,642	\$ 595,308	\$ 2,455,950
Totals						
December	\$ 11,951,520	\$ 2,779,880	\$ 14,731,400	\$ 5,677,095	\$ 931,901	\$ 6,608,996
Fiscal Year	\$ 11,951,520	\$ 2,779,880	\$ 14,731,400	\$ 14,923,970	\$ 3,126,735	\$ 18,050,705

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

Proposals

Monthly Comparison

	Fiscal Year 2021			Fiscal Year 2020		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 1,944,933	\$ 630,073	\$ 2,575,006	\$ 3,168,562	\$ 1,052,828	\$ 4,221,390
August	\$ 3,235,493	\$ 958,883	\$ 4,194,376	\$ 4,266,380	\$ 1,012,096	\$ 5,278,476
September	\$ 2,782,402	\$ 1,133,170	\$ 3,915,572	\$ 4,420,108	\$ 1,281,650	\$ 5,701,758
October	\$ 4,896,774	\$ 1,992,246	\$ 6,889,020	\$ 14,857,699	\$ 4,566,774	\$ 19,424,473
November	\$ 6,539,378	\$ 1,929,444	\$ 8,468,822	\$ 1,977,317	\$ 429,546	\$ 2,406,863
December	\$ 2,987,189	\$ 360,388	\$ 3,347,577	\$ 1,753,945	\$ 327,508	\$ 2,081,453
January			\$ -	\$ 4,663,288	\$ 1,120,259	\$ 5,783,547
February			\$ -	\$ 7,621,335	\$ 2,766,414	\$ 10,387,749
March			\$ -	\$ 4,890,390	\$ 1,288,989	\$ 6,179,379
April			\$ -	\$ 2,176,946	\$ 844,787	\$ 3,021,733
May			\$ -	\$ 2,314,692	\$ 349,284	\$ 2,663,976
June			\$ -	\$ 4,478,065	\$ 1,994,277	\$ 6,472,342
Totals						
December	\$ 22,386,169	\$ 7,004,204	\$ 29,390,373	\$ 30,444,011	\$ 8,670,402	\$ 39,114,413
Fiscal Year	\$ 22,386,169	\$ 7,004,204	\$ 29,390,373	\$ 56,588,727	\$ 17,034,412	\$ 73,623,139

Expenditures

Monthly Comparison

	Fiscal Year 2021			Fiscal Year 2020		
	Direct	Indirect	Total	Direct	Indirect	Total
July	\$ 954,093	\$ 277,420	\$ 1,231,513	\$ 1,071,893	\$ 267,524	\$ 1,339,417
August	\$ 1,661,856	\$ 175,208	\$ 1,837,064	\$ 1,926,965	\$ 220,217	\$ 2,147,182
September	\$ 1,145,997	\$ 189,361	\$ 1,335,358	\$ 724,482	\$ 135,301	\$ 859,783
October	\$ 770,952	\$ 110,857	\$ 881,809	\$ 739,182	\$ 142,688	\$ 881,870
November	\$ 772,861	\$ 109,314	\$ 882,175	\$ 775,021	\$ 124,180	\$ 899,201
December	\$ 1,186,599	\$ 156,423	\$ 1,343,022	\$ 936,329	\$ 165,669	\$ 1,101,998
January			\$ -	\$ 1,444,714	\$ 94,656	\$ 1,539,370
February			\$ -	\$ 1,098,608	\$ 178,706	\$ 1,277,314
March			\$ -	\$ 921,944	\$ 121,999	\$ 1,043,943
April			\$ -	\$ 840,716	\$ 109,936	\$ 950,652
May			\$ -	\$ 998,132	\$ 159,526	\$ 1,157,658
June			\$ -	\$ 1,291,304	\$ 314,652	\$ 1,605,956
Totals						
December	\$ 6,492,358	\$ 1,018,583	\$ 7,510,941	\$ 6,173,872	\$ 1,055,579	\$ 7,229,451
CSU Fiscal Year	\$ 6,492,358	\$ 1,018,583	\$ 7,510,941	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343
CCF Fiscal Year*			\$ -			
Grand Total	\$ 6,492,358	\$ 1,018,583	\$ 7,510,941	\$ 12,769,290	\$ 2,035,053	\$ 14,804,343

**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, 2020 - December 31, 2020

and

July 1, 2019 - December 31, 2019

College/Division

Awards *Includes Total Project Award Amount*

College/Division	Fiscal Year 2021				Fiscal Year 2020			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 349,347	\$ 25,673	\$ 375,020	4	\$ 102,848	\$ -	\$ 102,848	3
College of Education & Human Services	\$ 1,705,173	\$ 649,899	\$ 2,355,072	5	\$ 90,651	\$ 13,609	\$ 104,260	4
College of Engineering	\$ 2,047,433	\$ 618,693	\$ 2,666,126	21	\$ 685,760	\$ 287,594	\$ 973,354	8
College of Law	\$ 200,000	\$ -	\$ 200,000	1	\$ 100,000	\$ -	\$ 100,000	1
College of Liberal Arts & Social Sciences	\$ 309,019	\$ 102,367	\$ 411,386	9	\$ 407,675	\$ 75,910	\$ 483,585	9
School of Nursing	\$ 124,942	\$ 5,735	\$ 130,677	3	\$ 75,900	\$ 3,992	\$ 79,892	4
College of Sciences & Health Professions	\$ 2,722,868	\$ 919,255	\$ 3,642,123	7	\$ 786,119	\$ 377,503	\$ 1,163,622	6
College of Urban Affairs	\$ 1,224,190	\$ 210,522	\$ 1,434,712	8	\$ 906,567	\$ 148,362	\$ 1,054,929	11
Central Administration	\$ 3,268,548	\$ 247,736	\$ 3,516,284	12	\$ 2,521,575	\$ 24,931	\$ 2,546,506	13
December Totals	\$ 11,951,520	\$ 2,779,880	\$ 14,731,400	70	\$ 5,677,095	\$ 931,901	\$ 6,608,996	59

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON - PROPOSALS

July 1, 2020 - December 31, 2020

and

July 1, 2019 - December 31, 2019

College/Division Proposals

	Fiscal Year 2021				Fiscal Year 2020			
	Direct	Indirect	Total	Count	Direct	Indirect	Total	Count
College of Business Administration	\$ 289,470	\$ 2,241	\$ 291,711	5	\$ 280,472	\$ -	\$ 280,472	5
College of Education & Human Services	\$ 595,693	\$ 137,286	\$ 732,979	7	\$ 2,442,558	\$ 662,101	\$ 3,104,659	8
College of Engineering	\$ 9,099,293	\$ 2,841,402	\$ 11,940,695	36	\$ 9,032,097	\$ 2,541,678	\$ 11,573,775	35
College of Law	\$ -	\$ -	\$ -	0	\$ 100,000	\$ -	\$ 100,000	1
College of Liberal Arts & Social Sciences	\$ 235,222	\$ 7,020	\$ 242,242	13	\$ 1,841,183	\$ 703,981	\$ 2,545,164	16
School of Nursing	\$ 184,383	\$ 8,131	\$ 192,514	3	\$ 46,230	\$ 19,941	\$ 66,171	2
College of Sciences & Health Professions	\$ 9,036,679	\$ 3,809,899	\$ 12,846,578	32	\$ 10,908,495	\$ 3,963,309	\$ 14,871,804	38
College of Urban Affairs	\$ 951,591	\$ 182,347	\$ 1,133,938	12	\$ 1,983,631	\$ 467,878	\$ 2,451,509	17
Central Administration	\$ 1,993,838	\$ 15,878	\$ 2,009,716	11	\$ 3,809,345	\$ 311,514	\$ 4,120,859	18
December Totals	\$ 22,386,169	\$ 7,004,204	\$ 29,390,373	119	\$ 30,444,011	\$ 8,670,402	\$ 39,114,413	140

Cleveland State University

Office of Research

Forrest Faison M.D., Sc.D.

YEAR-TO-DATE SUMMARY COMPARISON - EXPENDITURES

July 1, 2020 - December 31, 2020

and

July 1, 2019 - December 31, 2019

College/Division Expenditures

	Fiscal Year 2021			Fiscal Year 2020		
	Direct	Indirect	Total	Direct	Indirect	Total
College of Business Administration	\$ 223,481	\$ 6,744	\$ 230,225	\$ 149,721	\$ -	\$ 149,721
College of Education & Human Services	\$ 439,019	\$ 24,969	\$ 463,988	\$ 234,852	\$ 29,047	\$ 263,899
College of Engineering	\$ 862,580	\$ 207,013	\$ 1,069,593	\$ 905,357	\$ 285,041	\$ 1,190,398
College of Law	\$ 100,145	\$ -	\$ 100,145	\$ 3,386	\$ -	\$ 3,386
College of Liberal Arts & Social Sciences	\$ 203,853	\$ 47,797	\$ 251,650	\$ 152,897	\$ 19,051	\$ 171,948
School of Nursing	\$ 114,567	\$ 2,318	\$ 116,885	\$ 88,406	\$ 6,581	\$ 94,987
College of Sciences & Health Professions	\$ 1,428,182	\$ 492,346	\$ 1,920,528	\$ 1,575,674	\$ 492,135	\$ 2,067,809
College of Urban Affairs	\$ 759,877	\$ 110,150	\$ 870,027	\$ 603,098	\$ 68,180	\$ 671,278
Central Administration	\$ 2,360,654	\$ 127,246	\$ 2,487,900	\$ 2,460,481	\$ 155,544	\$ 2,616,025
December Totals	\$ 6,492,358	\$ 1,018,583	\$ 7,510,941	\$ 6,173,872	\$ 1,055,579	\$ 7,229,451

Amount	Sponsor	Title	Principal Investigator
BUSINESS			
Dean's Office			
\$82,620	State of Ohio, Development Services Agency	State - SBDC - ODSA funds	Colette Hart
CENTRAL ADMINISTRATION			
Library			
\$4,999	State Library of Ohio	Bill Wynne's Photographs: Reuniting a Photographer's Work Through the DPLA	Marsha Miles
Student Affairs			
\$31,452	Ohio College Initiative	Building Student Mental Health and Wellness Management with Digital and Hybrid Wellness Coaching	Denise Keary
University Engagement			
\$24,000	University Circle, Inc.	University Circle Police Consultancy	Ronnie Dunn
EDUCATION & HUMAN SERVICES			
Teacher Education			
\$179,575	Cleveland Foundation	Computer Science for ALL in the Cleveland Metropolitan School District	Debbie Jackson
ENGINEERING			
Chemical			
\$703,081	Cincinnati Children's Hospital Medical Center (National Institutes of Health)	Modeling diabetes using an integrated plate system	Moo-Yeal Lee
Electrical and Computer			
\$48,627	Old Dominion University (National Academy of Sciences)	NCHRP Highway IDEA proposal	Hongkai Yu
\$5,000	Ohio Space Grant Consortium	Developing an Individualized, Integrative, and Progressive Electronics Laboratory Course	Chansu Yu
Mechanical			
\$56,445	Washington State University (National Institutes of Health)	Reproducibility in simulation-based prediction of natural knee mechanics	Antonie van den Bogert
\$13,040	Ohio Space Grant Consortium	Ohio Space Grant Consortium Internship (Spring 2021)	Wei Zhang
SCIENCES & HEALTH PROFESSIONS			
Gene Regulation in Health and Disease			
\$1,483,910	National Institutes of Health	Phosphatidylinositol Metabolism and Trafficking in Atherosclerosis and Inflammation	Kailash Gulshan

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, 2020 through December 31, 2020**

Supplement to December 2020 Monthly Activity Report

Amount	Sponsor	Title	Principal Investigator
BUSINESS			
\$271,400	Ohio Development Services Agency	SBDC COVID-19 Supplemental Funds	Colette Hart
\$11,000	Ohio Development Services Agency	SBDC COVID-19 Supplemental Funds	Colette Hart
Dean's Office			
\$82,620	State of Ohio, Development Services Agency	State - SBDC - ODSA funds	Colette Hart
\$10,000	Ohio Development Services Agency	Ohio Export Internship Program	Colette Hart
CENTRAL ADMINISTRATION			
Academic Programs			
\$5,000	U.S. Department of Higher Education (Ohio Department of Higher Education)	Ohio Strong Start to Finish-Data	John Holcomb
EEMS			
\$3,095,200	U.S. Department of Education	TRIO Student Support Services	Marina Bregu
Library			
\$4,999	State Library of Ohio	Bill Wynne's Photographs: Reuniting a Photographer's Work Through the DPLA	Marsha Miles
Research			
\$213,888	Cuyahoga Community College (Ohio Department of Higher Education)	Northeast Ohio West RAPIDS: Agile Workers for an Agile Workplace	Benjamin Ward
Research Office			
\$49,973	Ford Motor Company	Automotive Systems Optimization	Daniel Simon
Student Affairs			
\$31,452	Ohio College Initiative	Building Student Mental Health and Wellness Management with Digital and Hybrid Wellness Coaching	Denise Keary
\$5,000	Ohio State University	Impaired Driving Prevention Pilot Program	Denise Keary
University Engagement			
\$47,300	City of Cleveland Heights	Cleveland Heights Police Department Training	Ronnie Dunn
\$24,000	University Circle, Inc.	University Circle Police Consultancy	Ronnie Dunn
\$20,000	400 Years of African American History Commission	400 Years: Our Shared Experience	Ronnie Dunn
\$12,500	Ohio State University (Ohio Department of Higher Education)	I-Corp 2020 Cohort	Jessica Colombi
\$6,972	Children's Museum Cleveland	Growing Together: an Anti-Racism Toolkit Program for Families	Mittie Jones
EDUCATION & HUMAN SERVICES			
\$24,500	Thomas White Foundation	Early STEM Learning	Sharon Brown
Center for STEMM Education			
\$25,000	Battelle	Northeast Ohio Regional STEM Hub Investment & Embed Support	Debbie Jackson

Amount	Sponsor	Title	Principal Investigator
Dean's Office			
\$126,000	Cleveland Metropolitan School District	Teaching Fellows	Sajit Zachariah
Teacher Education			
\$1,999,997	National Science Foundation	The Cleveland Tech Talent Pipeline (CLE TTP)	Debbie Jackson
\$179,575	Cleveland Foundation	Computer Science for ALL in the Cleveland Metropolitan School District	Debbie Jackson
ENGINEERING			
Chemical			
\$703,081	Cincinnati Children's Hospital Medical Center (National Institutes of Health)	Modeling diabetes using an integrated plate system	Moo-Yeal Lee
Chemical & Biomedical			
\$105,000	Bioprinting Laboratories, Inc (National Institutes of Health)	Pillar and perfusion well plate platforms for reproducible organoid culture from IpSC	Moo-Yeal Lee
Dean's Office			
\$149,413	Fenn Education Fund (Cleveland Foundation)	Preparing Engineering Students during changing times of the Coronavirus, COVID-19	Sandra English
\$75,000	Innovative Scientific Solutions, Inc.(NIH)	Detecting Arch Instability in Charcot Neuropathy	Brian Davis
Electrical			
\$5,000	Ohio Space Grant Consortium	Developing an Individualized, Integrative, and Progressive Electronics Laboratory Course	Chansu Yu
Electrical & Computer			
\$40,000	Youngstown State University (Air Force Office of Scientific Research)	Assured Digital Microelectronics Education & Training Eco System	Lili Dong
Electrical and Computer			
\$48,627	Old Dominion University (National Academy of Sciences)	NCHRP Highway IDEA proposal	Hongkai Yu
\$2,500	University of Akron (National Science Foundation)	Type II: The University of Akron I-Corps Site - Extendable Bone Plate	Josiah Owusu-Danquah
\$2,500	University of Akron (National Science Foundation)	Peer Life Coach	Wenbing Zhao
Mechanical			
\$599,998	US Economic Development Agency (US Department of Commerce)	Entrepreneurial Manufacturer Digitization Support (EMDiS) Center of Excellence	Jerzy Sawicki
\$450,021	National Science Foundation	REU Site: RE@CSU -- Rehabilitation Engineering at Cleveland State University	Eric Schearer
\$256,905	Paragon Robotics(Department of Energy)	Advanced District Energy Controls for Improved Efficiency and Resilience	Yong Tao
\$56,445	Washington State University (National Institutes of Health)	Reproducibility in simulation-based prediction of natural knee mechanics	Antonie van den Bogert
\$49,896	American Syringomyelia & Chiari Alliance Project, Inc	Quantifying Gait Postural Control in Chiari Patients	Brian Davis
\$47,200	Ohio Space Grant Consortium	OSGC Summer Internship 2020-21	Wei Zhang
\$27,000	Ohio Space Grant Consortium	State of Ohio Scholarships and Fellowship (OSGC AY 2020-2021)	Wei Zhang
\$24,500	Ohio Space Grant Consortium	Ohio Space Grant Consortium STEM Scholarship and Fellowship	Wei Zhang
\$13,040	Ohio Space Grant Consortium	Ohio Space Grant Consortium Internship (Spring 2021)	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
\$2,500	University of Akron (National Science Foundation)	Type II: The University of Akron I-Corps Site - Walktive/ Walking Aids with Compliant Support	Hanz Richter
\$2,500	University of Akron (National Science Foundation)	Electroactive and Live Muscle Construct	Prabaha Sikder
LAW			
Dean's Office			
\$200,000	City of Cleveland	Day 1 Project - City of Cleveland	Jonathan Witmer-Rich
LIBERAL ARTS & SOCIAL SCIENCES			
Art			
\$60,000	National Endowment for the Humanities	Fellowship	Samantha Baskind
\$10,605	Ohio Arts Council	Art Gallery - OAC 20-21	Kendall Christian
Dean's Office			
\$2,500	Kulas Foundation	Kulas Student Ticket Program	Allyson Robichaud
History			
\$79,510	National Endowment for the Humanities	PlacePress: A WordPress Plugin for Publishing Location-based Tours and Stories	J. Mark Souther
Music			
\$15,000	Cleveland Foundation	Cleveland Foundation - 2021	Judith Ryder Frumker
\$2,728	Ohio Arts Council	CAEC Ohio Arts Council 2020-21	Judith Ryder Frumker
\$2,000	Cyrus Eaton Foundation	CAEC Cyrus Eaton for 2020-21	Judith Ryder Frumker
Social Work			
\$5,000	Social Science Research Council	Addressing African American Infant Mortality Using Technology During the COVID-19 Crisis	Cyleste Collins
Sociology			
\$234,043	Cuyahoga County Board of Health (US Dept of Health & Human Services)	Establishing Linkage to Care	Miyuki Tedor
NURSING			
Nursing			
\$45,899	University of Toledo (Health Resources and Services Administration)	Area Health Education Centers Program COVID	Joan Thoman
\$43,528	Northeastern Ohio Medical University (Health Resources and Services Administration)	Geriatrics Workforce Enhancement Program	Joan Niederriter
\$41,250	Cuyahoga County Board of Health (Health Resources Services Administration)	Ending the HIV Epidemic - CSU CHW Partnership	Joan Thoman
SCIENCES & HEALTH PROFESSIONS			
Dean's Office			
\$921,721	National Institutes of Health	CD-Cavs: Cross-Disciplinary Cardiovascular Sciences Training Program to Diversify the STEM workforce	Meredith Bond
Gene Regulation in Health & Disease			
\$199,984	National Science Foundation	Collaborative Research: numerical and experimental investigation of flow sensing by the primary cilium	Andrew Resnick
Gene Regulation in Health and Disease			
\$1,483,910	National Institutes of Health	Phosphatidylinositol Metabolism and Trafficking in Atherosclerosis and Inflammation	Kailash Gulshan

Amount	Sponsor	Title	Principal Investigator
Health Sciences			
\$13,500	Kent State University (Cleveland Foundation)	Designing the New Economy/Barrier Free Cleveland	Kelle DeBoth
Mathematics			
\$19,973	National Science Foundation	Macaulay2 Workshop at Cleveland State University	Federico Galetto
Psychology			
\$999,886	National Science Foundation	ADVANCE Adaptation: Achieving Excellence and Equity through Academic Leadership Development	Michael Horvath
\$3,149	Society for the Scientific Study of Religion	Who Forgives Whom? The roles of transgressor religiosity, victim religiosity, and apologies	Michael Horvath
URBAN			
Dean's Office			
\$250,000	Robert Wood Johnson Foundation	Investing in the Middle: A New Approach to Deliver on the Promise of Equitable Neighborhood Development.	Roland Anglin
Research & Public Policy			
\$400,000	Public Utilities Commission of Ohio	PUCO - Hazardous Materials Training	Robert Ziol
\$300,000	Department of Commerce	Applied Research and Technical Assistance for Economic Recovery in Response to the Coronavirus Pandemic in NEO and Ohio	Iryna Lendel
\$225,000	Kauffman Foundation	Kauffman Foundation Challenge	Merissa Piazza
\$100,000	JobsOhio Retainer 2017-2020	JobsOhio	Iryna Lendel
\$80,000	U.S. Department of Commerce	University Center Economic Development Administration Program	Iryna Lendel
\$1,500	Hambden Township	Hambden Township Comprehensive Plan Update	Kirby Date
Urban Affairs			
\$78,212	Cleveland Public Library	CPL America Reads	Anita Ruf-Young

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