

Monthly Proposals Report for December 2019
Office of Grants and Contracts, University of North Texas

Proposals Total by College	December 2018	December 2019	YTD FY2019	YTD FY2020
College of Business	\$ -	\$ 88,225	\$ -	\$ 346,666
College of Education	\$ 277,022	\$ 311,089	\$ 3,373,710	\$ 6,485,910
College of Engineering	\$ 11,778,875	\$ 6,159,384	\$ 41,102,000	\$ 21,212,983
College of Health & Public Service (prev. PACS)	\$ 2,496,955	\$ 362,748	\$ 3,719,420	\$ 2,721,590
College of Information	\$ 2,119,858	\$ 608,289	\$ 10,144,505	\$ 2,228,998
College of Liberal Arts & Social Sciences	\$ 22,903	\$ 308,014	\$ 3,961,642	\$ 14,108,560
College of Merchandising Hospitality and Tourism	\$ 40,000	\$ -	\$ 158,608	\$ 426,519
College of Music	\$ -	\$ -	\$ -	\$ 502,285
College of Science	\$ 2,703,234	\$ 3,573,837	\$ 18,374,534	\$ 10,752,032
College of Visual Arts and Design	\$ 124,853	\$ -	\$ 149,853	\$ 1,259,998
School of Journalism	\$ -	\$ -	\$ 120,090	\$ -
Other ¹	\$ 465,343	\$ 384,890	\$ 1,507,974	\$ 9,399,514
Grand Total:	\$ 20,029,042	\$ 11,796,476	\$ 82,612,335	\$ 69,445,057

Proposals Total by Category

Instruction	\$ 315,000	\$ -	\$ 1,532,408	\$ 220,833
Public Service	\$ 266,608	\$ 48,668	\$ 2,121,203	\$ 12,555,097
Research (Applied, Basic, Development)	\$ 19,447,434	\$ 11,722,282	\$ 78,689,681	\$ 56,643,601
Other ²	\$ -	\$ 25,526	\$ 269,043	\$ 25,526
Grand Total:	\$ 20,029,042	\$ 11,796,476	\$ 82,612,335	\$ 69,445,057

Proposals Total by Source of Funding

Federal	\$ 15,868,067	\$ 10,809,574	\$ 73,678,734	\$ 63,266,599
Private	\$ 3,643,953	\$ 986,902	\$ 8,188,000	\$ 5,415,853
State	\$ 517,022	\$ -	\$ 745,601	\$ 762,604
Grand Total:	\$ 20,029,042	\$ 11,796,476	\$ 82,612,335	\$ 69,445,057

Notes:

1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Dean of Students, Director Risk Management, Honors College, Outreach & Community Involvement, and Research & Innovation

2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training

Special Note:

In detailed proposal data, PI is the Cayuse SP named Lead Principal Investigator and Co-PI is any Cayuse SP named Principal Investigator. Recognition in the detailed proposal data is distributed from the Allocation of Credit as entered in Cayuse SP.

Proposals, December FY2020

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
UNT												
College of Business												
Information Technology & Decision Science												
Narayanan, Arunachalam												
<i>Narayanan, A. , Co-PI; Information Technology & Decision Science; Niranjan, S. , PI; Sauser, B. , Co-PI; Logistics Systems Institute (LSI)</i>												
20-0138 Proposal: New	Understanding if the Forklift Operators are Following Best Practices	Research - Applied	Toyota Material Handling, U.S.A.	Industry	Co-PI	7/1/2020	0.91	48.50%	33%	\$88,225	Declined	
		Totals for	Narayanan, Arunachalam								\$88,225	
		Totals for	Information Technology & Decision Science								\$88,225	
		Totals for	College of Business								\$88,225	
College of Education												
Educational Psychology												
Barrio, Brenda												
19-0619 Proposal: New	Collaborative Research: Bridging the Writing Transfer Gap in Early Engineering Laboratory Courses	Research - Applied	Washington State University	Federal Flow Thru	PI	7/16/2020	1.91	48.50%	100%	\$18,965	Pending	
		Totals for	Barrio, Brenda								\$18,965	
		Totals for	Educational Psychology								\$18,965	
Kinesiology, Health Promotion, & Recreation												
McFarlin, Brian												
<i>McFarlin, B. , PI; Kinesiology, Health Promotion, & Recreation; McFarlin, B. , Co-PI; Biological Sciences</i>												
20-0212 Proposal: New	The Effect of 12-weeks of Oral Capsanthin Supplementation on Body Composition and Weight Management in Overweight/Obese Individuals	Research - Applied	Unibar Corporation	Industry	PI	2/1/2020	3.91	48.50%	90%	\$33,750	Pending	
		Totals for	McFarlin, Brian								\$33,750	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Vingren, Jakob											
<i>Vingren, J. , Co-PI; Kinesiology, Health Promotion, & Recreation; Namuduri, K. , PI; Mehta, G. , Co-PI; Mahbub, I. , Co-PI; Electrical Engineering</i>											
20-0194 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of a Cardiac Event during Rehabilitation	Research - Basic	National Science Foundation - Federal	NSF	Co-PI	7/1/2020	3.91	48.50%	25%	\$256,374	Pending
Totals for										Vingren, Jakob	\$256,374
Zhang, Tao											
20-0211 Proposal: New	Examining Parental Influences on Preschoolers' Motor Skills and Physical Activity	Research - Applied	Society of Health and Physical Educators -SHAPE America	Not for Profit	PI	5/1/2020	0.91	0.00%	100%	\$2,000	Declined
Totals for										Zhang, Tao	\$2,000
Totals for										Kinesiology, Health Promotion, & Recreation	\$292,124
Totals for										College of Education	\$311,089
College of Engineering											
Biomedical Engineering											
Albert, Mark											
<i>Albert, M. , Co-PI; Biomedical Engineering; Mahbub, I. , PI; Electrical Engineering; Olness, G. , Co-PI; Speech & Hearing Sciences; Berman, D. , Co-PI; Materials Science & Engineering; Albert, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering</i>											
20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - Federal	NSF	Co-PI	7/1/2020	2.91	48.50%	1.5%	\$11,286	Pending
<i>Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , PI; Dantu, R. , Co-PI; Thompson, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering</i>											
20-0177 Proposal: New	SCH: INT: Collaborative Research: Physbot therapy: Autonomous visual observation and support for home-based physical therapy exercises	Research - Basic	National Science Foundation - Federal	NSF	Co-PI	9/1/2020	3.91	48.50%	6%	\$50,274	Pending
Totals for										Albert, Mark	\$61,560
Totals for										Biomedical Engineering	\$61,560

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Computer Science & Engineering											
Albert, Mark											
<i>Albert, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering; Mahbub, I. , PI; Electrical Engineering; Olness, G. , Co-PI; Speech & Hearing Sciences; Berman, D. , Co-PI; Materials Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	2.91	48.50%	13.5%	\$101,572	Pending
<i>Albert, M. , PI; Dantu, R. , Co-PI; Thompson, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0177 Proposal: New	SCH: INT: Collaborative Research: Physbot therapy: Autonomous visual observation and support for home-based physical therapy exercises	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2020	3.91	48.50%	54%	\$452,465	Pending
Totals for										Albert, Mark	\$554,038
Blanco Villar, Eduardo											
20-0183 Proposal: New	Utilizing Artificial Intelligence to Increase Student Oral Reading Skills	Research - Basic	Pennez LLC	Federal Flow Thru	PI	6/1/2020	0.91	48.50%	100%	\$79,787	Pending
Totals for										Blanco Villar, Eduardo	\$79,787
Bryce, Renee											
<i>Bryce, R. , PI; Pottathuparambil, R. , Co-PI; Computer Science & Engineering</i>											
20-0190 Proposal: New	North Texas Coding Academy	Research - Applied	Texas Workforce Commission	Federal Flow Thru	PI	4/1/2020	0.58	5.00%	76.5%	\$67,253	Pending
Totals for										Bryce, Renee	\$67,253
Dantu, Ramanamurthy											
<i>Dantu, R. , Co-PI; Albert, M. , PI; Thompson, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0177 Proposal: New	SCH: INT: Collaborative Research: Physbot therapy: Autonomous visual observation and support for home-based physical therapy exercises	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2020	3.91	48.50%	20%	\$167,580	Pending
Totals for										Dantu, Ramanamurthy	\$167,580

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Mohanty, Saraju											
<i>Mohanty, S. , Co-PI; Computer Science & Engineering; Huang, Z. , PI; Engineering Technology; Kougianos, E. , Co-PI; Electrical Engineering; Thompson, R. , Co-PI; Biological Sciences</i>											
20-0074 Proposal: New	Multi-STEM-ICPBLE: Multi-Institutional Scale-up of an Interdisciplinary Collaborative Project-based Learning Environment (ICPBLE) for STEM education using Cutting-edge Technologies	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2020	3.91	48.50%	22.5%	\$506,250	Pending
Totals for										Mohanty, Saraju	\$506,250
Pottathuparambil, Robin											
<i>Pottathuparambil, R. , Co-PI; Bryce, R. , PI; Computer Science & Engineering</i>											
20-0190 Proposal: New	North Texas Coding Academy	Research - Applied	Texas Workforce Commission	Federal Flow Thru	Co-PI	4/1/2020	0.58	5.00%	23.5%	\$20,659	Pending
Totals for										Pottathuparambil, Robin	\$20,659
Thompson, Mark											
<i>Thompson, M. , Co-PI; Albert, M. , PI; Dantu, R. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0177 Proposal: New	SCH: INT: Collaborative Research: Physbot therapy: Autonomous visual observation and support for home-based physical therapy exercises	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2020	3.91	48.50%	10%	\$83,790	Pending
Totals for										Thompson, Mark	\$83,790
Xiao, Ting											
<i>Xiao, T. , Co-PI; Albert, M. , Co-PI; Computer Science & Engineering; Mahbub, I. , PI; Electrical Engineering; Olness, G. , Co-PI; Speech & Hearing Sciences; Berman, D. , Co-PI; Materials Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	2.91	48.50%	15%	\$112,858	Pending
<i>Xiao, T. , Co-PI; Albert, M. , PI; Dantu, R. , Co-PI; Thompson, M. , Co-PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0177 Proposal: New	SCH: INT: Collaborative Research: Physbot therapy: Autonomous visual observation and support for home-based physical therapy exercises	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2020	3.91	48.50%	10%	\$83,790	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	Xiao, Ting						\$196,648	
			Totals for	Computer Science & Engineering						\$1,676,004	

Electrical Engineering

Acevedo, Miguel

20-0184 Proposal: New	Sustainable Brackish Water Desalination: Concentrate Utilization for Food Production	Research - Applied	The Bureau of Reclamation	Federal	PI	7/1/2020	2.91	26.00%	100%	\$850,980	Pending
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Totals for **Acevedo, Miguel** **\$850,980**

Kougianos, Elias

Kougianos, E. , Co-PI; Electrical Engineering; Huang, Z. , PI; Engineering Technology; Thompson, R. , Co-PI; Biological Sciences; Mohanty, S. , Co-PI; Computer Science & Engineering

20-0074 Proposal: New	Multi-STEM-ICPBLE: Multi-Institutional Scale-up of an Interdisciplinary Collaborative Project-based Learning Environment (ICPBLE) for STEM education using Cutting-edge Technologies	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	9/1/2020	3.91	48.50%	22.5%	\$506,250	Pending
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Totals for **Kougianos, Elias** **\$506,250**

Lin, Yuankun

Lin, Y. , Co-PI; Electrical Engineering; Lin, Y. , PI; Philipose, U. , Co-PI; Physics

20-0158 Proposal: New	Understanding and control of photon-plasmon-electron nanoscale interactions among metallic nanoparticles in rippled crystals	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	7/1/2020	2.91	48.50%	12.5%	\$46,725	Declined
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Totals for **Lin, Yuankun** **\$46,725**

Mahbub, Ifana

Mahbub, I. , PI; Electrical Engineering; Olness, G. , Co-PI; Speech & Hearing Sciences; Berman, D. , Co-PI; Materials Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering

20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - NSF	Federal	PI	7/1/2020	2.91	48.50%	40%	\$300,954	Pending
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File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Mahbub, I. , Co-PI; Namuduri, K. , PI; Mehta, G. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, & Recreation</i>											
20-0194 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of a Cardiac Event during Rehabilitation	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	3.91	48.50%	25%	\$256,374	Pending
		Totals for	Mahbub, Ifana							\$557,329	
Mehta, Gayatri											
<i>Mehta, G. , Co-PI; Namuduri, K. , PI; Mahbub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, & Recreation</i>											
20-0194 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of a Cardiac Event during Rehabilitation	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	3.91	48.50%	25%	\$256,374	Pending
		Totals for	Mehta, Gayatri							\$256,374	
Namuduri, Kameswara Rao											
<i>Namuduri, K. , PI; Mehta, G. , Co-PI; Mahbub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, & Recreation</i>											
20-0194 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of a Cardiac Event during Rehabilitation	Research - Basic	National Science Foundation - Federal NSF		PI	7/1/2020	3.91	48.50%	25%	\$256,374	Pending
20-0218 Proposal: New	PAWR Platform Full proposal: Connecting Rural America to 5G Broadband Network (CRABnet)	Research - Development	Texas A&M Engineering Experiment Station	Federal Flow Thru	PI	6/1/2020	4.91	48.50%	100%	\$186,295	Pending
		Totals for	Namuduri, Kameswara Rao							\$442,669	
		Totals for	Electrical Engineering							\$2,660,327	

Engineering Technology

Bostanci, Huseyin

Bostanci, H. , Co-PI; Engineering Technology; Zhao, W. , PI; Mechanical & Energy Engineering

20-0157 Proposal: New	1799-TRP, Validation of Extrapolation of Performance Rating Test Results for Small Energy Exchangers to Large Exchangers	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	Co-PI	6/1/2020	1.91	48.50%	35%	\$68,472	Pending
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File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<i>Bostanci, H. , PI; Manzo, M. , Co-PI; Engineering Technology</i>												
20-0250 Proposal: New	Design and Development of Laboratory Equipment for an Emerging Data Center Thermal Management Technology: Single?Phase Liquid Cooling	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	PI	9/1/2020	0.58	0.00%	50%	\$2,500	Declined	
			Totals for	Bostanci, Huseyin						\$70,972		
Huang, Zhenhua												
<i>Huang, Z. , PI; Engineering Technology; Kougianos, E. , Co-PI; Electrical Engineering; Thompson, R. , Co-PI; Biological Sciences; Mohanty, S. , Co-PI; Computer Science & Engineering</i>												
20-0074 Proposal: New	Multi-STEM-ICPBLE: Multi-Institutional Scale-up of an Interdisciplinary Collaborative Project-based Learning Environment (ICPBLE) for STEM education using Cutting-edge Technologies	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2020	3.91	48.50%	37.5%	\$843,750	Pending	
			Totals for	Huang, Zhenhua						\$843,750		
Manzo, Maurizio												
<i>Manzo, M. , Co-PI; Bostanci, H. , PI; Engineering Technology</i>												
20-0250 Proposal: New	Design and Development of Laboratory Equipment for an Emerging Data Center Thermal Management Technology: Single?Phase Liquid Cooling	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	Co-PI	9/1/2020	0.58	0.00%	50%	\$2,500	Declined	
			Totals for	Manzo, Maurizio						\$2,500		
			Totals for	Engineering Technology						\$917,222		
Materials Science & Engineering												
Banerjee, Rajarshi												
<i>Banerjee, R. , PI; Dahotre, N. , Co-PI; Materials Science & Engineering</i>												
20-0219 Proposal: New	Collaborative Research: Investigating and Exploiting In Situ reactions during Metal Additive Manufacturing	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2020	2.91	48.50%	50%	\$264,325	Pending	
			Totals for	Banerjee, Rajarshi						\$264,325		

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Berman, Diana											
<i>Berman, D. , Co-PI; Materials Science & Engineering; Mahbub, I. , PI; Electrical Engineering; Olness, G. , Co-PI; Speech & Hearing Sciences; Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering</i>											
20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	2.91	48.50%	15%	\$112,858	Pending
20-0169 Proposal: New	Enhanced Lubrication, Anti-inflammation and Anti-infection Treatment for Natural and Artificial Joints Using Injectable Nanodiamonds	Research - Development	Adámas Nanotechnologies	Federal Flow Thru	PI	7/1/2020	0.91	48.50%	100%	\$75,600	Pending
Totals for Berman, Diana										\$188,458	
Dahotre, Narendra											
<i>Dahotre, N. , Co-PI; Banerjee, R. , PI; Materials Science & Engineering</i>											
20-0219 Proposal: New	Collaborative Research: Investigating and Exploiting In Situ reactions during Metal Additive Manufacturing	Research - Basic	National Science Foundation - Federal NSF		Co-PI	6/1/2020	2.91	48.50%	50%	\$264,325	Pending
Totals for Dahotre, Narendra										\$264,325	
Totals for Materials Science & Engineering										\$717,108	
Mechanical & Energy Engineering											
Zhao, Weihuan											
<i>Zhao, W. , PI; Mechanical & Energy Engineering; Bostanci, H. , Co-PI; Engineering Technology</i>											
20-0157 Proposal: New	1799-TRP, Validation of Extrapolation of Performance Rating Test Results for Small Energy Exchangers to Large Exchangers	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	PI	6/1/2020	1.91	48.50%	65%	\$127,163	Pending
Totals for Zhao, Weihuan										\$127,163	
Totals for Mechanical & Energy Engineering										\$127,163	
Totals for College of Engineering										\$6,159,384	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
College of Health & Public Service											
Emergency Management & Disaster Science											
Wu, Hao-che											
20-0113 Proposal: Transfer (PI	Collaborative Research: An Examination of Household Risk Assessment Judgments and Protective Action Decision during Tornado Threats	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2019	1	48.50%	100%	\$248,737	Pending
		Totals for	Wu, Hao-che							\$248,737	
		Totals for	Emergency Management & Disaster Science							\$248,737	
Speech & Hearing Sciences											
Gopal, Kamakshi											
20-0197 Proposal: New	Auditory Evoked Potentials as Potential Objective Markers of Tinnitus	Research - Basic	Texas Speech Language Hearing Foundation	Foundation	PI	2/1/2020	0.91	0.00%	100%	\$1,153	Pending
		Totals for	Gopal, Kamakshi							\$1,153	
Olness, Gloria											
<i>Olness, G. , Co-PI; Speech & Hearing Sciences; Mahbub, I. , PI; Electrical Engineering; Berman, D. , Co-PI; Materials Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , Co-PI; Xiao, T. , Co-PI; Computer Science & Engineering</i>											
20-0081 Proposal: New	SCH: INT: Wireless Smart Vocalization Sensors for Convergent Evidence of Rehabilitation Effectiveness	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	2.91	48.50%	15%	\$112,858	Pending
		Totals for	Olness, Gloria							\$112,858	
		Totals for	Speech & Hearing Sciences							\$114,011	
		Totals for	College of Health & Public Service							\$362,748	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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**College of Information
Learning Technologies**

Baker, Rose

20-0147 Proposal: New	Updating undergraduate experimental physical chemistry curriculum to improve students' problem solving skills	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2020	2.91	48.50%	100%	\$587,763	Declined
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Totals for **Baker, Rose** \$587,763

Totals for **Learning Technologies** \$587,763

Linguistics

Chelliah, Shobhana

20-0176 Proposal: New	International Conference Sino-Tibetan Languages & Linguistics (ICSTLL)	Conference	National Science Foundation - Federal NSF		PI	2/1/2020	0.91	48.50%	100%	\$20,526	Pending
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Totals for **Chelliah, Shobhana** \$20,526

Totals for **Linguistics** \$20,526

Totals for **College of Information** \$608,289

College of Liberal Arts & Social Sciences

Geography

Williams, Harry F

Williams, H. , PI; Geography; Weathers, D. , Co-PI; Physics

20-0207 Proposal: New	Can Coastal Marshes Survive Sea-Level Rise? An REU-Centered Coastal Geomorphology Research Project.	Research - Basic	National Science Foundation - Federal NSF		PI	5/1/2020	2.91	48.50%	80%	\$128,542	Pending
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Totals for **Williams, Harry F** \$128,542

Totals for **Geography** \$128,542

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
History											
Hilliard, Constance											
20-0205 Proposal: New	UNT Transdisciplinary Conference Series on Ancestral Genomics	Conference	Pfizer, Inc.	Industry	PI	12/28/2019	1	0.00%	100%	\$5,000	Awarded
		Totals for	Hilliard, Constance							\$5,000	
		Totals for	History							\$5,000	
Psychology											
Contractor, Ateka											
20-0249 Proposal: New	Family Engagement Project	Research - Applied	MBI Research Institute, Inc.	Federal Flow Thru	PI	5/1/2020	4.91	8.00%	100%	\$65,377	Pending
		Totals for	Contractor, Ateka							\$65,377	
		Totals for	Psychology							\$65,377	
Sociology											
Scarborough III, William											
20-0161 Proposal: New	Category X: Gender Identities Beyond the Binary	Research - Basic	University of Illinois at Chicago	Federal Flow Thru	PI	8/1/2020	1.91	48.50%	100%	\$87,659	Pending
		Totals for	Scarborough III, William							\$87,659	
		Totals for	Sociology							\$87,659	
Technical Communication											
Boettger, Ryan											
20-0092 Proposal: New	Digitizing a dataset of academic writing to facilitate data-driven learning	Research - Applied	University of Florida	Not for Profit Flow Thru	PI	9/1/2020	1.08	0.00%	100%	\$21,436	Pending
		Totals for	Boettger, Ryan							\$21,436	
		Totals for	Technical Communication							\$21,436	
		Totals for	College of Liberal Arts & Social Sciences							\$308,014	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
College of Science											
Biological Sciences											
Azad, Rajeev											
<i>Azad, R. , Co-PI; Jagadeeswaran, P. , PI; Biological Sciences; Azad, R. , Co-PI; Mathematics</i>											
19-0570 Proposal: New	Genetics of von Willebrand Disease	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	7/1/2020	4.91	48.50%	6%	\$108,969	Pending
		Totals for	Azad, Rajeev							\$108,969	
Chapman, Kent											
20-0240 Proposal: Supplement	Engineering Seed Value in Cotton - Strategies to Modify Seed Constituents	Research - Basic	Cotton Incorporated	Not for Profit	PI	1/1/2020	0.91	15.00%	100%	\$115,000	Awarded
		Totals for	Chapman, Kent							\$115,000	
Henard, Calvin											
20-0223 Proposal: New	Conversion Verification Subject Matter Expert BEEPS ZymoChem Project	Research - Development	National Renewable Energy Laboratory	Federal Flow Thru	PI	4/1/2020	0.41	48.50%	100%	\$23,000	Pending
		Totals for	Henard, Calvin							\$23,000	
Jagadeeswaran, Pudur											
<i>Jagadeeswaran, P. , PI; Azad, R. , Co-PI; Biological Sciences; Azad, R. , Co-PI; Mathematics</i>											
19-0570 Proposal: New	Genetics of von Willebrand Disease	Research - Basic	National Institutes of Health - NIH	Federal	PI	7/1/2020	4.91	48.50%	90%	\$1,634,540	Pending
		Totals for	Jagadeeswaran, Pudur							\$1,634,540	
McFarlin, Brian											
<i>McFarlin, B. , Co-PI; Biological Sciences; McFarlin, B. , PI; Kinesiology, Health Promotion, & Recreation</i>											
20-0212 Proposal: New	The Effect of 12-weeks of Oral Capsanthin Supplementation on Body Composition and Weight Management in Overweight/Obese Individuals	Research - Applied	Unibar Corporation	Industry	Co-PI	2/1/2020	3.91	48.50%	10%	\$3,750	Pending
		Totals for	McFarlin, Brian							\$3,750	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Thompson, Ruthanne											
<i>Thompson, R. , Co-PI; Biological Sciences; Huang, Z. , PI; Engineering Technology; Kougianos, E. , Co-PI; Electrical Engineering; Mohanty, S. , Co-PI; Computer Science & Engineering</i>											
20-0074 Proposal: New	Multi-STEM-ICPBLE: Multi-Institutional Scale-up of an Interdisciplinary Collaborative Project-based Learning Environment (ICPBLE) for STEM education using Cutting-edge Technologies	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2020	3.91	48.50%	17.5%	\$393,750	Pending
Totals for										Thompson, Ruthanne	\$393,750
Verbeck, Guido											
<i>Verbeck, G. , Co-PI; Biological Sciences; Verbeck, G. , PI; Chemistry</i>											
20-0241 Proposal: New	Development Portable Breathalyzer Methods for the Detection of VOCs on the breath for Personal Health, Medical Drug Detection, and Forensic Applications	Research - Development	InspectIR Systems, LLC	Industry	Co-PI	1/15/2020	0.58	48.50%	30%	\$21,075	Awarded
Totals for										Verbeck, Guido	\$21,075
Wang, Xiaoqiang											
20-0215 Proposal: New	UGT engineering for detoxification of morphine	Research - Development	Gluzym, LLC	Federal Flow Thru	PI	9/1/2020	0.91	48.50%	100%	\$76,356	Pending
20-0216 Proposal: New	Glycosylation modification of drugs for enhancing bioavailability and properties	Research - Development	Gluzym, LLC	Federal Flow Thru	PI	9/1/2020	0.91	48.50%	100%	\$76,356	Pending
Totals for										Wang, Xiaoqiang	\$152,712
Totals for										Biological Sciences	\$2,452,796

Chemistry

Marshall, Paul

19-0241 Proposal: New	Determination of Global Warming Potentials	Research - Basic	American Air Liquide, Inc.	Industry	PI	3/1/2019	0.41	48.50%	100%	\$13,867	Awarded
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File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
20-0206 Proposal: New	Kinetics of chemical reactions relevant to sulfur chemistry	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2020	2.91	0.00%	100%	\$195,000	Pending
			Totals for	Marshall, Paul						\$208,867	
Verbeck, Guido											
<i>Verbeck, G. , PI; Chemistry; Verbeck, G. , Co-PI; Biological Sciences</i>											
20-0241 Proposal: New	Development Portable Breathalyzer Methods for the Detection of VOCs on the breath for Personal Health, Medical Drug Detection, and Forensic Applications	Research - Development	InspectIR Systems, LLC	Industry	PI	1/15/2020	0.58	48.50%	70%	\$49,175	Awarded
			Totals for	Verbeck, Guido						\$49,175	
			Totals for	Chemistry						\$258,042	
Mathematics											
Azad, Rajeev											
<i>Azad, R. , Co-PI; Mathematics; Jagadeeswaran, P. , PI; Azad, R. , Co-PI; Biological Sciences</i>											
19-0570 Proposal: New	Genetics of von Willebrand Disease	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	7/1/2020	4.91	48.50%	4%	\$72,646	Pending
			Totals for	Azad, Rajeev						\$72,646	
			Totals for	Mathematics						\$72,646	
Physics											
Krokhin, Arkadii											
<i>Krokhin, A. , Co-PI; Neogi, A. , PI; Physics</i>											
20-0200 Proposal: New	Phase I STTR "Metamaterial Lens for High Lateral Resolution Ultrasonic Imaging	Research - Basic	Echonovus, Inc.	Federal Flow Thru	Co-PI	3/12/2020	1	48.50%	50%	\$17,536	Pending
			Totals for	Krokhin, Arkadii						\$17,536	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Lin, Yuankun											
<i>Lin, Y. , PI; Philipose, U. , Co-PI; Physics; Lin, Y. , Co-PI; Electrical Engineering</i>											
20-0158 Proposal: New	Understanding and control of photon-plasmon-electron nanoscale interactions among metallic nanoparticles in rippled crystals	Research - Basic	National Science Foundation - Federal NSF		PI	7/1/2020	2.91	48.50%	37.5%	\$140,176	Declined
		Totals for	Lin, Yuankun							\$140,176	
Neogi, Arup											
<i>Neogi, A. , PI; Krokhin, A. , Co-PI; Physics</i>											
20-0200 Proposal: New	Phase I STTR "Metamaterial Lens for High Lateral Resolution Ultrasonic Imaging	Research - Basic	Echonovus, Inc.	Federal Flow Thru	PI	3/12/2020	1	48.50%	50%	\$17,536	Pending
		Totals for	Neogi, Arup							\$17,536	
Perez, Jose											
20-0221 Proposal: New	Multilayer Transition Metal Dichalcogenides for Effective and Functional Encapsulation of Reactive Van der Waals Devices	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2020	2.91	48.50%	100%	\$396,069	Pending
		Totals for	Perez, Jose							\$396,069	
Philipose, Usha											
<i>Philipose, U. , Co-PI; Lin, Y. , PI; Physics; Lin, Y. , Co-PI; Electrical Engineering</i>											
20-0158 Proposal: New	Understanding and control of photon-plasmon-electron nanoscale interactions among metallic nanoparticles in rippled crystals	Research - Basic	National Science Foundation - Federal NSF		Co-PI	7/1/2020	2.91	48.50%	50%	\$186,902	Declined
		Totals for	Philipose, Usha							\$186,902	
Weathers, Duncan											
<i>Weathers, D. , Co-PI; Physics; Williams, H. , PI; Geography</i>											
20-0207 Proposal: New	Can Coastal Marshes Survive Sea-Level Rise? An REU-Centered Coastal Geomorphology Research Project.	Research - Basic	National Science Foundation - Federal NSF		Co-PI	5/1/2020	2.91	48.50%	20%	\$32,136	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
		Totals for	Weathers, Duncan							\$32,136	
		Totals for	Physics							\$790,353	
		Totals for	College of Science							\$3,573,837	

International Affairs

International Affairs-Gen

Wood, Pia

20-0261 Proposal: New	The University of North Texas and Buketov Karaganda State University - Creating a Partnership Program in the Teaching and Learning of the English Language with a STEM focus	Public Service	American Councils for International Education	Not for Profit	PI	1/20/2020	0.66	0.00%	100%	\$48,668	Declined
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Totals for **Wood, Pia** \$48,668

Totals for **International Affairs-Gen** \$48,668

Totals for **International Affairs** \$48,668

Research & Innovation

Advanced Environmental Research Institute (AERI)

Lund, Amie

20-0188 Proposal: New	Exposure to diesel exhaust particles increases inflammation and causes lung microbial dysbiosis with an expansion of Proteobacteria.	Research - Basic	National Institutes of Health - NIH	Federal	PI	7/1/2020	1.91	0.00%	100%	\$75,600	Declined
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Totals for **Lund, Amie** \$75,600

Totals for **Advanced Environmental Research Institute (AERI)** \$75,600

Logistics Systems Institute (LSI)

Niranjan, Suman

Niranjan, S. , PI; Sauser, B. , Co-PI; Logistics Systems Institute (LSI); Narayanan, A. , Co-PI; Information Technology & Decision Science

20-0138 Proposal: New	Understanding if the Forklift Operators are Following Best Practices	Research - Applied	Toyota Material Handling, U.S.A.	Industry	PI	7/1/2020	0.91	48.50%	34%	\$90,899	Declined
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Totals for **Niranjan, Suman** \$90,899

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Sauser, Brian											
<i>Sauser, B. , Co-PI; Niranjan, S. , PI; Logistics Systems Institute (LSI); Narayanan, A. , Co-PI; Information Technology & Decision Science</i>											
20-0138 Proposal: New	Understanding if the Forklift Operators are Following Best Practices	Research - Applied	Toyota Material Handling, U.S.A.	Industry	Co-PI	7/1/2020	0.91	48.50%	33%	\$88,225	Declined
Totals for Sauser, Brian										\$88,225	
Totals for Logistics Systems Institute (LSI)										\$179,124	
Totals for Research & Innovation										\$254,724	
Vice Provost Academic Outreach											
Applied Arts & Sciences											
Fulton, Kara											
20-0095 Proposal: New	Using Geochemistry to Compare Activities Across Classic Maya Urban Plazas	Research - Basic	National Science Foundation - Federal NSF		PI	5/1/2020	0.91	48.50%	100%	\$72,455	Pending
20-0166 Proposal: New	Microartifact Analysis as a Tool to Explore the Use of Maya Palaces	Research - Basic	Society for American Archaeology	Not for Profit	PI	6/1/2020	0.83	0.00%	100%	\$9,044	Pending
Totals for Fulton, Kara										\$81,499	
Totals for Applied Arts & Sciences										\$81,499	
Totals for Vice Provost Academic Outreach										\$81,499	
Totals for UNT										\$11,796,476	
Totals for December FY2020:										\$11,796,476	