

**Monthly Proposals report for May 2017**  
**Office of Grants and Contracts, University of North Texas**

<b>Proposals Total by College</b>	<b>May 2016</b>	<b>May 2017</b>	<b>YTD FY2016</b>	<b>YTD FY2017</b>
College of Arts and Sciences	\$4,897,324	\$0	\$54,938,435	\$71,522,130
College of Sciences	\$0	\$1,117,318	\$0	\$1,117,318
College of Liberal Arts and Social Sciences	\$0	\$0	\$0	\$0
College of Business	\$203,135	\$0	\$1,009,105	\$2,296,134
College of Education	\$299,416	\$197,845	\$6,355,170	\$11,785,106
College of Engineering	\$2,345,473	\$989,814	\$58,063,846	\$60,683,542
College of Information	\$1,260,580	\$50,000	\$7,512,531	\$4,005,228
College of Merchandising Hospitality and Tourism	\$0	\$0	\$0	\$647,032
College of Music	\$0	\$0	\$12,864	\$20,001
College of Public Affairs and Community Service	\$660,081	\$0	\$4,688,112	\$5,509,223
College of Health & Public Service	\$0	\$41,932	\$0	\$41,932
College of Visual Arts and Design	\$0	\$0	\$103,055	\$0
Mayborn School of Journalism	\$16,000	\$0	\$70,000	\$156,188
Other <sup>1</sup>	\$0	\$162,923	\$4,553,949	\$6,202,540
<b>Grand Total:</b>	<b>\$9,682,009</b>	<b>\$2,559,831</b>	<b>\$137,307,068</b>	<b>\$163,986,374</b>

**Proposals Total by Category**

Instruction	\$560,228	\$110,011	\$1,024,221	\$8,599,679
Public Service	\$117,743	\$187,923	\$9,804,741	\$8,576,959
Research (Applied, Basic, Development)	\$9,004,038	\$2,261,897	\$123,802,385	\$145,800,461
Other <sup>2</sup>	\$0	\$0	\$2,675,720	\$1,009,275
<b>Grand Total:</b>	<b>\$9,682,009</b>	<b>\$2,559,831</b>	<b>\$137,307,068</b>	<b>\$163,986,374</b>

**Proposals Total by Source of Funding**

Federal	\$8,339,586	\$2,056,478	\$120,961,857	\$134,468,347
Private	\$222,692	\$491,626	\$11,256,616	\$15,450,696
State	\$1,119,730	\$11,727	\$5,088,594	\$14,067,331
<b>Grand Total:</b>	<b>\$9,682,009</b>	<b>\$2,559,831</b>	<b>\$137,307,068</b>	<b>\$163,986,374</b>

**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, and Outreach & Community Involvement

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, May FY2017

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<b>UNT</b>												
<i>College of Education</i>												
<i>Educational Psychology</i>												
<b>Frosch, Cynthia</b>												
<i>Frosch, C. , PI; Middlemiss, W. , Co-PI; Educational Psychology</i>												
17-0480 Proposal: New	The WECS: Validating a Practical Tool for Assessing Emotional Connection within Parent-Infant Dyads	Research - Applied	The Trustees of Columbia University in the City of New York	Research Institution	PI	5/15/2017	0.25	10.00%	70%	\$15,731	Pending	
Totals for			<b>Frosch, Cynthia</b>							<b>\$15,731</b>		
<b>Middlemiss, Wendy</b>												
<i>Middlemiss, W. , Co-PI; Frosch, C. , PI; Educational Psychology</i>												
17-0480 Proposal: New	The WECS: Validating a Practical Tool for Assessing Emotional Connection within Parent-Infant Dyads	Research - Applied	The Trustees of Columbia University in the City of New York	Research Institution	Co-PI	5/15/2017	0.25	10.00%	30%	\$6,742	Pending	
Totals for			<b>Middlemiss, Wendy</b>							<b>\$6,742</b>		
Totals for			<b>Educational Psychology</b>							<b>\$22,473</b>		
<b>Kinesiology, Health Promotion, &amp; Recreation</b>												
<b>Bowman, Erin</b>												
<i>Bowman, E. , Co-PI; McFarlin, B. , PI; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; McFarlin, B. , Co-PI; Vingren, J. , Co-PI; Biological Sciences</i>												
17-0528 Proposal: New	Is Recovery from an Intensified Exercise Protocol Accelerated when Supplemented with a Probiotic + Lecithin? A Pilot Study	Research - Applied	Imagilin Technology	Industry	Co-PI	6/1/2017	4.5	48.50%	10%	\$3,000	Pending	
Totals for			<b>Bowman, Erin</b>							<b>\$3,000</b>		
<b>McFarlin, Brian</b>												
<i>McFarlin, B. , PI; Vingren, J. , Co-PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; McFarlin, B. , Co-PI; Vingren, J. , Co-PI; Biological Sciences</i>												
17-0528 Proposal: New	Is Recovery from an Intensified Exercise Protocol Accelerated when Supplemented with a Probiotic + Lecithin? A Pilot Study	Research - Applied	Imagilin Technology	Industry	PI	6/1/2017	4.5	48.50%	45%	\$13,500	Pending	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	<b>McFarlin, Brian</b>						<b>\$13,500</b>	
<b>Vingren, Jakob</b>											
<i>Vingren, J. , Co-PI; McFarlin, B. , PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; McFarlin, B. , Co-PI; Vingren, J. , Co-PI; Biological Sciences</i>											
17-0528	Is Recovery from an Intensified Exercise Protocol Accelerated when Supplemented with a Probiotic + Lecithin? A Pilot Study	Research - Applied	Imagilin Technology	Industry	Co-PI	6/1/2017	4.5	48.50%	36%	\$10,800	Pending
			Totals for	<b>Vingren, Jakob</b>						<b>\$10,800</b>	
			Totals for	<b>Kinesiology, Health Promotion, &amp; Recreation</b>						<b>\$27,300</b>	
<b>Teacher Education &amp; Admin</b>											
<b>Wickstrom, Carol</b>											
17-0519	Teacher Quality Grant Writing - Expository Expose/ Narrative Supplement	Instruction	Texas Higher Education Coordinating Board	Federal Flow Thru	PI	2/1/2016	2	0.00%	100%	\$98,284	Awarded
			Totals for	<b>Wickstrom, Carol</b>						<b>\$98,284</b>	
			Totals for	<b>Teacher Education &amp; Admin</b>						<b>\$98,284</b>	
<b>Teacher Education &amp; Administration</b>											
<b>Young, Jamaal</b>											
<i>Young, J. , PI; Young, J. , Co-PI; Teacher Education &amp; Administration</i>											
17-0483	STEMulating Learning Across Content Areas: The Culturally Responsive Assessment Rubric for STEM Learning	Research - Basic	Spencer Foundation	Foundation	PI	1/1/2018	1.91	0.00%	50%	\$24,894	Pending
			Totals for	<b>Young, Jamaal</b>						<b>\$24,894</b>	
<b>Young, Jemimah</b>											
<i>Young, J. , Co-PI; Young, J. , PI; Teacher Education &amp; Administration</i>											
17-0483	STEMulating Learning Across Content Areas: The Culturally Responsive Assessment Rubric for STEM Learning	Research - Basic	Spencer Foundation	Foundation	Co-PI	1/1/2018	1.91	0.00%	50%	\$24,894	Pending
			Totals for	<b>Young, Jemimah</b>						<b>\$24,894</b>	
			Totals for	<b>Teacher Education &amp; Administration</b>						<b>\$49,788</b>	
			Totals for	<b>College of Education</b>						<b>\$197,845</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>College of Engineering</b>											
<b>Computer Science &amp; Engineering</b>											
<b>Akl, Robert</b>											
<i>Akl, R. , PI; Takabi, H. , Co-PI; Computer Science &amp; Engineering</i>											
17-0421 Proposal: New	Robotics and App Design Summer Camp	Instruction	Texas Higher Education Coordinating Board	State of TX	PI	6/1/2017	0.16	0.00%	90%	\$10,554	Awarded
		Totals for	<b>Akl, Robert</b>							<b>\$10,554</b>	
<b>Blanco Villar, Eduardo</b>											
<i>Blanco Villar, E. , PI; Nielsen, R. , Co-PI; Computer Science &amp; Engineering</i>											
17-0509 Proposal: New	Extracting and Predicting Spatial Timelines	Research - Basic	National Geospatial-Intelligence Agency - NGA	Federal	PI	9/1/2017	1.91	48.50%	50%	\$149,986	Pending
		Totals for	<b>Blanco Villar, Eduardo</b>							<b>\$149,986</b>	
<b>Dantu, Ramanamurthy</b>											
17-0486 Proposal: Supplement	SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance	Research - Basic	National Science Foundation - Federal NSF		PI	8/30/2017	1	0.00%	100%	\$16,000	Awarded
17-0489 Proposal: Supplement	EAGER: Mobile Solutions for Multifold Increase of Survival Rates Through High Quality Chest Compressions	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2017	0.91	0.00%	100%	\$16,000	Pending
		Totals for	<b>Dantu, Ramanamurthy</b>							<b>\$32,000</b>	
<b>Nielsen, Rodney</b>											
<i>Nielsen, R. , Co-PI; Blanco Villar, E. , PI; Computer Science &amp; Engineering</i>											
17-0509 Proposal: New	Extracting and Predicting Spatial Timelines	Research - Basic	National Geospatial-Intelligence Agency - NGA	Federal	Co-PI	9/1/2017	1.91	48.50%	50%	\$149,986	Pending
		Totals for	<b>Nielsen, Rodney</b>							<b>\$149,986</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Takabi, Hassan</b>											
<i>Takabi, H. , Co-PI; Akl, R. , PI; Computer Science &amp; Engineering</i>											
17-0421 Proposal: New	Robotics and App Design Summer Camp	Instruction	Texas Higher Education Coordinating Board	State of TX	Co-PI	6/1/2017	0.16	0.00%	10%	\$1,173	Awarded
17-0526 Proposal: New	NSF Student Travel Grant for 2017 ACM Conference on Computer and Communications Security (ACM CCS)	Public Service	National Science Foundation - Federal NSF		PI	8/1/2017	0.91	0.00%	100%	\$25,000	Pending
Totals for <b>Takabi, Hassan</b>										<b>\$26,173</b>	
Totals for <b>Computer Science &amp; Engineering</b>										<b>\$368,699</b>	

### *Electrical Engineering*

#### **Mehta, Gayatri**

17-0520 Proposal: Supplement	SHF: Small: Visual Architectures: Engaging Crowds in Design and Discovery for Custom Reconfigurable Devices	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2017	1.91	0.00%	100%	\$16,000	Pending
Totals for <b>Mehta, Gayatri</b>										<b>\$16,000</b>	
Totals for <b>Electrical Engineering</b>										<b>\$16,000</b>	

### *Engineering Technology*

#### **Yu, Cheng**

17-0490 Proposal: New	STEEL STUD ASSEMBLIES BEARING ON CONCRETE SLABS	Research - Applied	American Iron and Steel Institute	Not for Profit	PI	5/15/2017	0.75	48.50%	100%	\$40,000	Declined
Totals for <b>Yu, Cheng</b>										<b>\$40,000</b>	
Totals for <b>Engineering Technology</b>										<b>\$40,000</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Materials Science &amp; Engineering</b>											
<b>Banerjee, Rajarshi</b>											
17-0511 Proposal: New	Phase II of AM processed Nickel Alloy-X	Research - Applied	Oerlikon Metco (US) Inc.	Industry	PI	5/1/2017	0.5	48.50%	100%	\$64,802	Awarded
		Totals for	<b>Banerjee, Rajarshi</b>							<b>\$64,802</b>	
<b>Berman, Diana</b>											
17-0502 Proposal: New	Understanding and Prediction of the Coupled Stress-Induced Evolution of Nanoscale Materials Interfaces	Research - Basic	University of California, Merced	Federal Flow Thru	PI	8/15/2017	1	48.50%	100%	\$76,604	Pending
		Totals for	<b>Berman, Diana</b>							<b>\$76,604</b>	
<b>Reidy, Richard</b>											
<i>Reidy, R. , Co-PI; Young, M. , PI; Materials Science &amp; Engineering</i>											
17-0496 Proposal: Supplement	Characterization of Superconducting Thin Film Materials	Research - Applied	Superconductor Technologies Inc.	Industry	Co-PI	5/1/2017	0.91	48.50%	25%	\$5,927	Awarded
		Totals for	<b>Reidy, Richard</b>							<b>\$5,927</b>	
<b>Xia, Zhenhai</b>											
<i>Xia, Z. , PI; Materials Science &amp; Engineering; Xia, Z. , Co-PI; Chemistry</i>											
17-0495 Proposal: New	Rapid Screening of Efficient Carbon-based Catalysts for Clean Production of Energy and Hydrogen Peroxide as Energy Carrier	Research - Basic	Case Western Reserve University	Federal Flow Thru	PI	9/1/2017	1.91	48.50%	80%	\$400,000	Pending
		Totals for	<b>Xia, Zhenhai</b>							<b>\$400,000</b>	
<b>Young, Marcus</b>											
<i>Young, M. , PI; Reidy, R. , Co-PI; Materials Science &amp; Engineering</i>											
17-0496 Proposal: Supplement	Characterization of Superconducting Thin Film Materials	Research - Applied	Superconductor Technologies Inc.	Industry	PI	5/1/2017	0.91	48.50%	75%	\$17,781	Awarded
		Totals for	<b>Young, Marcus</b>							<b>\$17,781</b>	
		Totals for	<b>Materials Science &amp; Engineering</b>							<b>\$565,115</b>	

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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Totals for	<b>College of Engineering</b>									<b>\$989,814</b>
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*College of Health & Public Service  
Public Administration*

**Jang, Hee Soun**

17-0510 Proposal: New	A Study of a Cross-Sector Collaboration System for the Homeless: The Case of Continuum of Care (CoC) Homeless Networks	Research - Basic	The University of Utah	Not for Profit Flow Thru	PI	11/15/2017	1	12.00%	100%	\$41,932	Pending
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Totals for	<b>Jang, Hee Soun</b>									<b>\$41,932</b>
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Totals for	<b>Public Administration</b>									<b>\$41,932</b>
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Totals for	<b>College of Health &amp; Public Service</b>									<b>\$41,932</b>
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*College of Information  
Learning Technologies*

**Lin, Lin**

*Lin, L. , PI; Norris, C. , Co-PI; Learning Technologies*

17-0436 Proposal: New	Computer-supported collaborative learning in 5th grade science classrooms: Understanding the impact of teachers' feedback delivered in different modalities	Research - Applied	Spencer Foundation	Foundation	PI	1/1/2018	0.91	0.00%	50%	\$25,000	Pending
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Totals for	<b>Lin, Lin</b>									<b>\$25,000</b>
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**Norris, Cathleen**

*Norris, C. , Co-PI; Lin, L. , PI; Learning Technologies*

17-0436 Proposal: New	Computer-supported collaborative learning in 5th grade science classrooms: Understanding the impact of teachers' feedback delivered in different modalities	Research - Applied	Spencer Foundation	Foundation	Co-PI	1/1/2018	0.91	0.00%	50%	\$25,000	Pending
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Totals for	<b>Norris, Cathleen</b>									<b>\$25,000</b>
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Totals for	<b>Learning Technologies</b>									<b>\$50,000</b>
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Totals for	<b>College of Information</b>									<b>\$50,000</b>
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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>College of Sciences</i>											
<i>Biological Sciences</i>											
<b>Hunt Von Herbing, Ione</b>											
17-0514 Proposal: New	Improving the Cost Effectiveness of Sustainable Agricultural and Forestry Practices Through Innovative Biopolymer and Probiotics Treatment	Research - Applied	Southern Methodist University	Federal Flow Thru	PI	9/1/2017	1.91	48.50%	100%	\$22,275	Pending
Totals for										<b>Hunt Von Herbing, Ione</b>	<b>\$22,275</b>
<b>McFarlin, Brian</b>											
<i>McFarlin, B. , Co-PI; Vingren, J. , Co-PI; Biological Sciences; McFarlin, B. , PI; Vingren, J. , Co-PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i>											
17-0528 Proposal: New	Is Recovery from an Intensified Exercise Protocol Accelerated when Supplemented with a Probiotic + Lecithin? A Pilot Study	Research - Applied	Imagilin Technology	Industry	Co-PI	6/1/2017	4.5	48.50%	5%	\$1,500	Pending
Totals for										<b>McFarlin, Brian</b>	<b>\$1,500</b>
<b>Mittler, Ron</b>											
17-0462 Proposal: New	A key role for Fe-S cluster metabolism in promoting the ROS tolerance of cancer cells	Research - Basic	National Institutes of Health - NIH	Federal	PI	4/2/2018	3	48.50%	100%	\$559,469	Pending
Totals for										<b>Mittler, Ron</b>	<b>\$559,469</b>
<b>Roberts, Aaron</b>											
17-0505 Proposal: New	NOAA ProTech Oceans Domain (IDIQ) Agreement	Research - Applied	Abt Associates, Inc.	Federal Flow Thru	PI	1/1/2018	5.91	0.00%	100%	\$1	Pending
Totals for										<b>Roberts, Aaron</b>	<b>\$1</b>
<b>Shah, Jyoti</b>											
17-0521 Proposal: New	Developing resistance to Fusarium head blight in wheat	Research - Basic	U.S. Department of Agriculture - USDA	Federal	PI	5/9/2017	1	5.00%	100%	\$25,754	Pending



File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	<b>Shah, Jyoti</b>						<b>\$25,754</b>	
<b>Verbeck, Guido</b>											
<i>Verbeck, G. , Co-PI; Biological Sciences; Verbeck, G. , PI; Chemistry</i>											
17-0532 Proposal: New	Earth based separation mapping for field portable mass spectrometry	Research - Applied	INFICON Inc.	Industry	Co-PI	6/1/2017	0.16	0.00%	30%	\$1,800	Awarded
			Totals for	<b>Verbeck, Guido</b>						<b>\$1,800</b>	
<b>Vingren, Jakob</b>											
<i>Vingren, J. , Co-PI; McFarlin, B. , Co-PI; Biological Sciences; McFarlin, B. , PI; Vingren, J. , Co-PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i>											
17-0528 Proposal: New	Is Recovery from an Intensified Exercise Protocol Accelerated when Supplemented with a Probiotic + Lecithin? A Pilot Study	Research - Applied	Imagilin Technology	Industry	Co-PI	6/1/2017	4.5	48.50%	4%	\$1,200	Pending
			Totals for	<b>Vingren, Jakob</b>						<b>\$1,200</b>	
			Totals for	<b>Biological Sciences</b>						<b>\$611,999</b>	
<b>Chemistry</b>											
<b>Verbeck, Guido</b>											
<i>Verbeck, G. , PI; Chemistry; Verbeck, G. , Co-PI; Biological Sciences</i>											
17-0532 Proposal: New	Earth based separation mapping for field portable mass spectrometry	Research - Applied	INFICON Inc.	Industry	PI	6/1/2017	0.16	0.00%	70%	\$4,200	Awarded
			Totals for	<b>Verbeck, Guido</b>						<b>\$4,200</b>	
<b>Xia, Zhenhai</b>											
<i>Xia, Z. , Co-PI; Chemistry; Xia, Z. , PI; Materials Science &amp; Engineering</i>											
17-0495 Proposal: New	Rapid Screening of Efficient Carbon-based Catalysts for Clean Production of Energy and Hydrogen Peroxide as Energy Carrier	Research - Basic	Case Western Reserve University	Federal Flow Thru	Co-PI	9/1/2017	1.91	48.50%	20%	\$100,000	Pending
			Totals for	<b>Xia, Zhenhai</b>						<b>\$100,000</b>	
			Totals for	<b>Chemistry</b>						<b>\$104,200</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<b>Mathematics</b>												
<b>Wang, Xuexia</b>												
17-0534 Proposal: New	Predicting Risk of Anthracycline-related Cardiotoxicity in Childhood Cancer Survivors	Research - Basic	The University of Alabama at Birmingham	Federal Flow Thru	PI	4/1/2018	4.91	48.50%	100%	\$203,343	Pending	
		Totals for	<b>Wang, Xuexia</b>								<b>\$203,343</b>	
		Totals for	<b>Mathematics</b>								<b>\$203,343</b>	
<b>Physics</b>												
<b>Shemmer, Ohad</b>												
17-0478 Proposal: New	Multiwavelength Diagnostics of Quasar Accretion Power	Research - Basic	National Aeronautics Space Administration - NASA	Federal	PI	1/1/2018	1.91	48.50%	100%	\$197,776	Pending	
		Totals for	<b>Shemmer, Ohad</b>								<b>\$197,776</b>	
		Totals for	<b>Physics</b>								<b>\$197,776</b>	
		Totals for	<b>College of Sciences</b>								<b>\$1,117,318</b>	
<b>University Library</b>												
<b>University Library - General</b>												
<b>Gieringer, Morgan</b>												
17-0487 Proposal: New	DART Archives Project	Public Service	Dallas Area Rapid Transit - DART	Other (Non-TX State) Govt	PI	9/1/2017	0.91	31.50%	100%	\$162,923	Pending	
		Totals for	<b>Gieringer, Morgan</b>								<b>\$162,923</b>	
		Totals for	<b>University Library - General</b>								<b>\$162,923</b>	
		Totals for	<b>University Library</b>								<b>\$162,923</b>	
		Totals for	<b>UNT</b>								<b>\$2,559,831</b>	
		Totals for	<b>May FY2017:</b>								<b>\$2,559,831</b>	