

**Monthly Proposals Report for January 2018**  
**Office of Grants and Contracts, University of North Texas**

<b>Proposals Total by College</b>	<b>January 2017</b>	<b>January 2018</b>	<b>YTD FY2017</b>	<b>YTD FY2018</b>
College of Arts and Sciences	\$ 16,627,512.44	\$ -	\$ 42,706,154	\$ -
College of Business	\$ -	\$ -	\$ 1,817,538	\$ 771,441
College of Education	\$ 504,681.13	\$ 417,414	\$ 3,410,506	\$ 3,286,513
College of Engineering	\$ 9,407,725.68	\$ 6,118,631	\$ 32,450,684	\$ 56,067,581
College of Health & Public Service (prev. PACS)	\$ 54,674.40	\$ -	\$ 1,677,217	\$ 1,666,480
College of Information	\$ 1,500,000.00	\$ -	\$ 3,955,228	\$ 3,651,425
College of Liberal Arts & Social Sciences	\$ -	\$ 965,578	\$ -	\$ 13,534,176
College of Merchandising Hospitality and Tourism	\$ -	\$ -	\$ 534,658.60	\$ 133,033
College of Music	\$ 20,000.52	\$ 864,981	\$ 20,000.52	\$ 74,485
College of Science	\$ -	\$ 74,485	\$ -	\$ 26,811,952
College of Visual Arts and Design	\$ -	\$ 3,097,059	\$ -	\$ 217,000
School of Journalism	\$ -	\$ 217,000	\$ 395,395	\$ 94,938
Other <sup>1</sup>	\$ 1,800.00	\$ 263,126	\$ 2,462,869	\$ 1,069,063
<b>Grand Total:</b>	<b>\$ 28,116,394</b>	<b>\$ 12,018,274</b>	<b>\$ 89,430,250</b>	<b>\$ 107,378,088</b>

**Proposals Total by Category**

Instruction	\$ 47,000	\$ -	\$ 2,959,916	\$ 2,153,857
Public Service	\$ 14,175	\$ 969,514	\$ 3,996,512	\$ 2,682,700
Research (Applied, Basic, Development)	\$ 27,183,944	\$ 11,048,760	\$ 81,602,547	\$ 102,531,053
Other <sup>2</sup>	\$ 871,275	\$ -	\$ 871,275	\$ 10,478.00
<b>Grand Total:</b>	<b>\$ 28,116,394</b>	<b>\$ 12,018,274</b>	<b>\$ 89,430,250</b>	<b>\$ 107,378,088</b>

**Proposals Total by Source of Funding**

Federal	\$ 18,111,206	\$ 8,303,668	\$ 71,557,983	\$ 99,177,158
Private	\$ 2,470,801	\$ 2,968,617	\$ 8,555,116	\$ 6,818,099
State	\$ 7,534,387	\$ 745,989	\$ 9,317,152	\$ 1,382,831
<b>Grand Total:</b>	<b>\$ 28,116,394</b>	<b>\$ 12,018,274</b>	<b>\$ 89,430,250</b>	<b>\$ 107,378,088</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, January FY2018

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>UNT</i>											
<i>College of Education</i>											
<i>Counseling &amp; Higher Education</i>											
<b>Jones, Veronica</b>											
18-0238 Proposal: New	GTF Fellowship	Research - Basic	Greater Texas Foundation	Not for Profit	PI	8/1/2018	2.91	0.00%	100%	\$106,624	Pending
		Totals for	<b>Jones, Veronica</b>							<b>\$106,624</b>	
<b>Prosek, Elizabeth</b>											
18-0284 Proposal: New	SAMHSA	Public Service	Denton County	Federal Flow Thru	PI	10/1/2018	4.91	0.00%	100%	\$195,552	Pending
		Totals for	<b>Prosek, Elizabeth</b>							<b>\$195,552</b>	
		Totals for	<b>Counseling &amp; Higher Education</b>							<b>\$302,176</b>	
<i>Teacher Education &amp; Administration</i>											
<b>Paufler, Noelle</b>											
18-0239 Proposal: New	Ensuring High-Quality Teachers for All Students: How Teachers and School Leaders Understand, Evaluate, and Improve Teacher Effectiveness to Impact Student Learning	Research - Basic	Greater Texas Foundation	Not for Profit	PI	9/1/2018	2.66	0.00%	100%	\$115,238	Pending
		Totals for	<b>Paufler, Noelle</b>							<b>\$115,238</b>	
		Totals for	<b>Teacher Education &amp; Administration</b>							<b>\$115,238</b>	
		Totals for	<b>College of Education</b>							<b>\$417,414</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>Fu, Song</b>											
<i>Fu, S. , Co-PI; Yang, Q. , PI; Yuan, X. , Co-PI; Computer Science &amp; Engineering</i>											
18-0078 Proposal: New	CRI: II-New: Edge-Enabled Infrastructure for Holistic Sensing and Analysis of Traffic Situation for Autonomous Vehicular Systems	Research - Basic	National Science Foundation - Federal NSF		Co-PI	8/1/2018	2.91	4850.00%	30%	\$201,744	Pending
		Totals for	<b>Fu, Song</b>							<b>\$201,744</b>	
<b>Huang, Yan</b>											
<i>Huang, Y. , PI; Yang, Q. , Co-PI; Computer Science &amp; Engineering; Zhong, X. , Co-PI; Electrical Engineering</i>											
18-0271 Proposal: New	Infer Trust through Machine Learning in Expeditionary Cyber Systems	Research - Basic	Northeastern University	Federal Flow Thru	PI	3/1/2018	0.91	4850.00%	50%	\$150,000	Pending
		Totals for	<b>Huang, Yan</b>							<b>\$150,000</b>	
<b>Kavi, Krishna</b>											
18-0228 Proposal: New	User-centered quality engineering (UCQE) for software and systems	Research - Basic	Generic Pooled Sponsor	Other Private	PI	1/1/2018	0.91	1000.00%	100%	\$11,000	Awarded
		Totals for	<b>Kavi, Krishna</b>							<b>\$11,000</b>	
<b>Mohanty, Saraju</b>											
<i>Mohanty, S. , Co-PI; Zhao, H. , PI; Computer Science &amp; Engineering</i>											
18-0136 Proposal: New	CI-New: Collaborative Research: Building High-Performance and Energy-Efficient Emergency Surveying Infrastructure using UAV and Mobile Vehicles	Research - Development	National Science Foundation - Federal NSF		Co-PI	7/1/2018	2.91	4850.00%	50%	\$244,213	Pending
		Totals for	<b>Mohanty, Saraju</b>							<b>\$244,213</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Nielsen, Rodney</b>											
<i>Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Parsons, T. , PI; Psychology</i>											
18-0241 Proposal: New	From virtual reality and social narrative to predictive outcomes in executive function for children born low birthweight and preterm	Research - Applied	Oregon Health Science University	Federal Flow Thru	Co-PI	10/1/2018	4.91	4850.00%	50%	\$710,732	Pending
Totals for										<b>Nielsen, Rodney</b>	<b>\$710,732</b>
<b>Yang, Qing</b>											
<i>Yang, Q. , PI; Fu, S. , Co-PI; Yuan, X. , Co-PI; Computer Science &amp; Engineering</i>											
18-0078 Proposal: New	CRI: II-New: Edge-Enabled Infrastructure for Holistic Sensing and Analysis of Traffic Situation for Autonomous Vehicular Systems	Research - Basic	National Science Foundation - NSF	Federal Flow Thru	PI	8/1/2018	2.91	4850.00%	40%	\$268,992	Pending
Totals for										<b>Yang, Qing</b>	<b>\$358,992</b>
<b>Yuan, Xiaohui</b>											
<i>Yuan, X. , Co-PI; Yang, Q. , PI; Fu, S. , Co-PI; Computer Science &amp; Engineering</i>											
18-0078 Proposal: New	CRI: II-New: Edge-Enabled Infrastructure for Holistic Sensing and Analysis of Traffic Situation for Autonomous Vehicular Systems	Research - Basic	National Science Foundation - NSF	Federal Flow Thru	Co-PI	8/1/2018	2.91	4850.00%	30%	\$201,744	Pending
18-0246 Proposal: New	Human pose tracking	Research - Development	Physmodo, Inc.	Industry	PI	12/1/2017	0.66	4850.00%	100%	\$69,299	Pending
Totals for										<b>Yuan, Xiaohui</b>	<b>\$271,043</b>

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Zhao, Hui</b>											
<i>Zhao, H. , PI; Mohanty, S. , Co-PI; Computer Science &amp; Engineering</i>											
18-0136 Proposal: New	CI-New: Collaborative Research: Building High-Performance and Energy- Efficient Emergency Surveying Infrastructure using UAV and Mobile Vehicles	Research - Development	National Science Foundation - Federal NSF		PI	7/1/2018	2.91	4850.00%	50%	\$244,213	Pending
			Totals for	<b>Zhao, Hui</b>						<b>\$244,213</b>	
			Totals for	<b>Computer Science &amp; Engineering</b>						<b>\$2,191,936</b>	
<b>Electrical Engineering</b>											
<b>Lin, Yuankun</b>											
<i>Lin, Y. , Co-PI; Electrical Engineering; Lin, Y. , PI; Physics</i>											
18-0251 Proposal: New	Collaborative Research: Holography- Guided Additive Fabrication of 3D Colloidal Devices with Electrowetting- Controlled Programmable dosing	Research - Basic	National Science Foundation - Federal NSF		Co-PI	8/1/2018	2.91	4850.00%	25%	\$44,886	Pending
			Totals for	<b>Lin, Yuankun</b>						<b>\$44,886</b>	
<b>Mahbub, Ifana</b>											
<i>Mahbub, I. , PI; Mehta, G. , Co-PI; Namuduri, K. , Co-PI; Electrical Engineering</i>											
18-0206 Proposal: New	Spectral and Energy-Efficient Cognitive Intelligent Radio for Wearable Medical Devices	Research - Development	National Science Foundation - Federal NSF		PI	8/1/2018	2.91	4850.00%	33.34%	\$222,897	Pending
			Totals for	<b>Mahbub, Ifana</b>						<b>\$222,897</b>	
<b>Mehta, Gayatri</b>											
<i>Mehta, G. , Co-PI; Mahbub, I. , PI; Namuduri, K. , Co-PI; Electrical Engineering</i>											
18-0206 Proposal: New	Spectral and Energy-Efficient Cognitive Intelligent Radio for Wearable Medical Devices	Research - Development	National Science Foundation - Federal NSF		Co-PI	8/1/2018	2.91	4850.00%	33.33%	\$222,830	Pending
			Totals for	<b>Mehta, Gayatri</b>						<b>\$222,830</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<b>Namuduri, Kameswara Rao</b>												
<i>Namuduri, K. , Co-PI; Mahbub, I. , PI; Mehta, G. , Co-PI; Electrical Engineering</i>												
18-0206 Proposal: New	Spectral and Energy-Efficient Cognitive Intelligent Radio for Wearable Medical Devices	Research - Development	National Science Foundation - Federal NSF		Co-PI	8/1/2018	2.91	4850.00%	33.33%	\$222,830	Pending	
		Totals for	<b>Namuduri, Kameswara Rao</b>								<b>\$222,830</b>	
<b>Yang, Tao</b>												
18-0232 Proposal: New	A Distributed Coordination Paradigm for Reliable and Resilient Microgrid Operations	Research - Basic	Oak Ridge Associated Universities	Not for Profit	PI	6/1/2018	0.91	0.00%	100%	\$10,000	Pending	
		Totals for	<b>Yang, Tao</b>								<b>\$10,000</b>	
<b>Zhong, Xiangnan</b>												
18-0265 Proposal: New	IRES Track 1: Collaborative Research: International Research Experiences of Advance Control and Energy Security for Smart Grid and Smart Community	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2018	2.91	4849.90%	100%	\$99,824	Pending	
<i>Zhong, X. , Co-PI; Electrical Engineering; Huang, Y. , PI; Yang, Q. , Co-PI; Computer Science &amp; Engineering</i>												
18-0271 Proposal: New	Infer Trust through Machine Learning in Expeditionary Cyber Systems	Research - Basic	Northeastern University	Federal Flow Thru	Co-PI	3/1/2018	0.91	4850.00%	20%	\$60,000	Pending	
		Totals for	<b>Zhong, Xiangnan</b>								<b>\$159,824</b>	
		Totals for	<b>Electrical Engineering</b>								<b>\$883,266</b>	
<b>Engineering Technology</b>												
<b>Siller Carrillo, Hector</b>												
18-0261 Proposal: New	Virtual Simulation and Training of Assembly and Service Processes in Digital Factories	Research - Development	NineSigma, Inc.	Industry	PI	3/1/2018	0.91	4850.00%	100%	\$76,722	Pending	
		Totals for	<b>Siller Carrillo, Hector</b>								<b>\$76,722</b>	
		Totals for	<b>Engineering Technology</b>								<b>\$76,722</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>Aouadi, Samir</b>											
<i>Aouadi, S. , PI; Berman, D. , Co-PI; Materials Science &amp; Engineering; Aouadi, S. , Co-PI; Physics</i>											
18-0187 Proposal: New	Collaborative Research: Friction and wear activated healing during sliding of ceramic interfaces	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2018	2.91	4850.00%	48%	\$201,560	Pending
<i>Aouadi, S. , Co-PI; Reidy, R. , PI; Materials Science &amp; Engineering; Aouadi, S. , Co-PI; Physics</i>											
18-0237 Proposal: New	Development of Ti2AlC Protective Layers for Glass Molds	Research - Applied	Entegris, Inc.	Industry	Co-PI	1/10/2018	1	4850.00%	40%	\$30,000	Pending
			Totals for	<b>Aouadi, Samir</b>						<b>\$231,559</b>	
<b>Berman, Diana</b>											
<i>Berman, D. , Co-PI; Aouadi, S. , PI; Materials Science &amp; Engineering; Aouadi, S. , Co-PI; Physics</i>											
18-0187 Proposal: New	Collaborative Research: Friction and wear activated healing during sliding of ceramic interfaces	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2018	2.91	4850.00%	40%	\$167,966	Pending
18-0263 Proposal: New	Sequential Infiltration Synthesis as a general approach for design of gradient multilayer antireflective coatings with finely tuned refractive indices and thicknesses	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2018	2.91	4850.00%	100%	\$290,317	Pending
			Totals for	<b>Berman, Diana</b>						<b>\$458,283</b>	
<b>Dahotre, Narendra</b>											
18-0276 Proposal: New	Integration of Multi-Scale Manufacturing to Fabricate Multi-functional Nanocomposite Materials	Research - Basic	University of Texas at Arlington	Federal Flow Thru	PI	7/1/2018	2.91	4850.10%	100%	\$50,001	Pending
			Totals for	<b>Dahotre, Narendra</b>						<b>\$50,001</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>D'souza, Francis</b>											
<i>D'souza, F. , Co-PI; Materials Science &amp; Engineering; D'souza, F. , PI; Chemistry</i>											
18-0267 Proposal: New	Solar-Liquid-Fuels': Scalable Photocatalytic Production and Utilization of High-Energy-Content Liquid Fuels	Research - Basic	Robert A. Welch Foundation	Not for Profit	Co-PI	6/1/2018	2.91	0.00%	20%	\$39,000	Pending
		Totals for	<b>D'souza, Francis</b>							<b>\$39,000</b>	
<b>Mishra, Rajiv</b>											
18-0273 Proposal: New	Establishing a Fundamentals Based Model to Predict the Joint Strength of Al-Steel Resistance Spot Welds	Research - Basic	National Science Foundation - NSF	Federal	PI	7/1/2018	2.91	4850.00%	100%	\$292,363	Pending
18-0274 Proposal: New	Friction stir welding as a crack repair technique for dry storage canisters for spent nuclear fuel	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	10/1/2018	2.91	4850.00%	100%	\$800,000	Pending
18-0302 Proposal: New	Enhanced Lower Cost Tooling for Friction Stir Technologies	Research - Applied	QuesTek Innovations LLC	Federal Flow Thru	PI	7/1/2018	0.91	4850.10%	100%	\$40,000	Pending
		Totals for	<b>Mishra, Rajiv</b>							<b>\$1,132,363</b>	
<b>Reidy, Richard</b>											
<i>Reidy, R. , PI; Aouadi, S. , Co-PI; Materials Science &amp; Engineering; Aouadi, S. , Co-PI; Physics</i>											
18-0237 Proposal: New	Development of Ti2AlC Protective Layers for Glass Molds	Research - Applied	Entegris, Inc.	Industry	PI	1/10/2018	1	4850.00%	50%	\$37,500	Pending
		Totals for	<b>Reidy, Richard</b>							<b>\$37,500</b>	
		Totals for	<b>Materials Science &amp; Engineering</b>							<b>\$1,948,707</b>	



File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<b><i>Mechanical &amp; Energy Engineering</i></b>												
<b>D'Souza, Nandika</b>												
<i>D'Souza, N. , Co-PI; D'Souza, N. , PI; Mechanical &amp; Energy Engineering</i>												
18-0299 Proposal: Supplement	Collaborative Research: Engineering Fully Biobased Foams for the Building Industry	Research - Applied	National Science Foundation - Federal NSF		Co-PI	3/1/2018	0.75	0.00%	20%	\$1,600	Pending	
<i>D'Souza, N. , PI; D'Souza, N. , Co-PI; Mechanical &amp; Energy Engineering</i>												
18-0299 Proposal: Supplement	Collaborative Research: Engineering Fully Biobased Foams for the Building Industry	Research - Applied	National Science Foundation - Federal NSF		PI	3/1/2018	0.75	0.00%	80%	\$6,400	Pending	
										Totals for	<b>D'Souza, Nandika</b>	<b>\$8,000</b>
<b>Zhang, Haifeng</b>												
18-0254 Proposal: New	In Situ Control of Additive Manufacturing using the Ultrasound-based SMART Platform	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	10/1/2018	2.91	4850.00%	100%	\$1,000,000	Pending	
										Totals for	<b>Zhang, Haifeng</b>	<b>\$1,000,000</b>
<b>Zhang, Zihao</b>												
18-0235 Proposal: New	Chalcogenide Quantum Well Heterostructure for Solar Water Splitting	Research - Basic	Oak Ridge Associated Universities	Not for Profit	PI	6/1/2018	0.91	0.00%	100%	\$10,000	Pending	
										Totals for	<b>Zhang, Zihao</b>	<b>\$10,000</b>
										Totals for	<b>Mechanical &amp; Energy Engineering</b>	<b>\$1,018,000</b>
										Totals for	<b>College of Engineering</b>	<b>\$6,118,631</b>

***College of Health & Public Service***

***Criminal Justice***

**Fritsch, Eric**

*Fritsch, E. , PI; Criminal Justice; Carey, C. , Co-PI; Disability & Addiction Rehabilitation; Benavides, A. , Co-PI; Public Administration*

18-0262 Proposal: New	Health Community Collaborative Learning Community	Public Service	Texas Health and Human Services Commission	State of TX	PI	3/1/2018	1.41	2600.00%	33.34%	\$151,976	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
			Totals for	<b>Fritsch, Eric</b>						<b>\$151,976</b>	
			Totals for	<b>Criminal Justice</b>						<b>\$151,976</b>	
<b><i>Disability &amp; Addiction Rehabilitation</i></b>											
<b>Carey, Chandra</b>											
<i>Carey, C. , Co-PI; Disability &amp; Addiction Rehabilitation; Fritsch, E. , PI; Criminal Justice; Benavides, A. , Co-PI; Public Administration</i>											
18-0262 Proposal: New	Health Community Collaborative Learning Community	Public Service	Texas Health and Human Services Commission	State of TX	Co-PI	3/1/2018	1.41	2600.00%	33.33%	\$151,930	Pending
			Totals for	<b>Carey, Chandra</b>						<b>\$151,930</b>	
<b>Holloway, Linda</b>											
18-0129 Proposal: Supplement	Hogg Foundation Recovery to Practice Training Program	Public Service	Hogg Foundation for Mental Health	Not for Profit	PI	4/1/2015	3.91	1000.00%	100%	\$55,000	Awarded
			Totals for	<b>Holloway, Linda</b>						<b>\$55,000</b>	
			Totals for	<b>Disability &amp; Addiction Rehabilitation</b>						<b>\$206,930</b>	
<b><i>Emergency Management &amp; Disaster Science</i></b>											
<b>Schumann, Ronald</b>											
18-0278 Proposal: New	Collaborative Research: Buying In to Buyouts: Understanding the Dynamics of Place Attachment in Post-Disaster Flood Buyout Programs	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2018	2.91	4850.00%	100%	\$146,025	Pending
			Totals for	<b>Schumann, Ronald</b>						<b>\$146,025</b>	
			Totals for	<b>Emergency Management &amp; Disaster Science</b>						<b>\$146,025</b>	
<b><i>Public Administration</i></b>											
<b>Benavides, Abraham</b>											
<i>Benavides, A. , Co-PI; Public Administration; Fritsch, E. , PI; Criminal Justice; Carey, C. , Co-PI; Disability &amp; Addiction Rehabilitation</i>											
18-0262 Proposal: New	Health Community Collaborative Learning Community	Public Service	Texas Health and Human Services Commission	State of TX	Co-PI	3/1/2018	1.41	2600.00%	33.33%	\$151,930	Pending
			Totals for	<b>Benavides, Abraham</b>						<b>\$151,930</b>	
			Totals for	<b>Public Administration</b>						<b>\$151,930</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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**Speech & Hearing Sciences**

**Aoyama, Katsura**

18-0176 Proposal: New	Phonetic perspective on the acquisition of sequential complexity in early speech and language	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2018	2.91	4850.00%	100%	\$308,716	Pending
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Totals for **Aoyama, Katsura** **\$308,716**

Totals for **Speech & Hearing Sciences** **\$308,716**

Totals for **College of Health & Public Service** **\$965,578**

**College of Liberal Arts & Social Sciences**

**Psychology**

**Hook, Joshua**

18-0264 Proposal: New	Acts of God? Religious Attributions and Cognitions in the Wake of Natural Disasters	Research - Basic	Wheaton College	Foundation Flow Thru	PI	8/1/2018	2.91	1500.00%	100%	\$154,250	Pending
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Totals for **Hook, Joshua** **\$154,250**

**Parsons, Thomas**

*Parsons, T. , PI; Psychology; Nielsen, R. , Co-PI; Computer Science & Engineering*

18-0241 Proposal: New	From virtual reality and social narrative to predictive outcomes in executive function for children born low birthweight and preterm	Research - Applied	Oregon Health Science University	Federal Flow Thru	PI	10/1/2018	4.91	4850.00%	50%	\$710,732	Pending
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Totals for **Parsons, Thomas** **\$710,732**

Totals for **Psychology** **\$864,981**

Totals for **College of Liberal Arts & Social Sciences** **\$864,981**

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 Music**

**Instrumental Studies**

**Chesky, Kris**

*Chesky, K. , PI; Instrumental Studies; Austin, S. , Co-PI; Vocal Studies*

18-0282 Proposal: New	Osteopathic Medicine Applied to Musculoskeletal Injuries and Osteopathic Medicine Applied to Musculoskeletal Injuries and Prevention	Research - Applied	University of North Texas Health Science at Forth Worth	Industry Flow Thru	PI	9/1/2018	2	0.00%	50%	\$37,243	Pending
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Totals for **Chesky, Kris** \$37,243

Totals for **Instrumental Studies** \$37,243

**Vocal Studies**

**Austin, Stephen**

*Austin, S. , Co-PI; Vocal Studies; Chesky, K. , PI; Instrumental Studies*

18-0282 Proposal: New	Osteopathic Medicine Applied to Musculoskeletal Injuries and Osteopathic Medicine Applied to Musculoskeletal Injuries and Prevention	Research - Applied	University of North Texas Health Science at Forth Worth	Industry Flow Thru	Co-PI	9/1/2018	2	0.00%	50%	\$37,243	Pending
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Totals for **Austin, Stephen** \$37,243

Totals for **Vocal Studies** \$37,243

Totals for **College of Music** \$74,485

**College of Science**

**Biological Sciences**

**Ayre, Brian**

*Ayre, B. , PI; McGarry, R. , Co-PI; Biological Sciences*

18-0227 Proposal: New	Redesigning the cotton plant's architecture to improve yield and quality	Research - Basic	Cotton Incorporated	Not for Profit	PI	1/1/2018	0.91	1500.00%	50%	\$22,500	Awarded
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Totals for **Ayre, Brian** \$22,500

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Dubansky, Benjamin</b>											
<i>ubansky, B. , PI; Biological Sciences; Verbeck, G. , Co-PI; Chemistry</i>											
18-0026 Proposal: New	Evaluation of a natural model of resistance to carcinogenesis	Research - Basic	Cancer Prevention and Research Institute of Texas	State of TX	PI	8/1/2018	1.91	526.30%	80%	\$232,122	Pending
		Totals for	<b>Dubansky, Benjamin</b>							<b>\$232,122</b>	
<b>Hoehinghaus, David</b>											
18-0222 Proposal: New	Experimental determination of host suitability for Sandbank Pocketbook	Research - Applied	Texas Parks and Wildlife Department	Federal Flow Thru	PI	9/1/2017	0.91	1500.00%	100%	\$7,011	Awarded
		Totals for	<b>Hoehinghaus, David</b>							<b>\$7,011</b>	
<b>Hunt Von Herbing, Ione</b>											
18-0048 Proposal: New	Stress Management in Marine Aquaculture: Evaluating the effectiveness of probiotic interventions on productivity, profitability and fish health of Red Drum	Research - Applied	National Oceanic Atmospheric Administration - NOAA	Federal	PI	9/1/2018	1.91	4850.00%	100%	\$299,005	Pending
		Totals for	<b>Hunt Von Herbing, Ione</b>							<b>\$299,005</b>	
<b>Mager, Edward</b>											
<i>Mager, E. , Co-PI; Biological Sciences; Roberts, A. , PI; Advanced Environmental Research Institute (AERI)</i>											
18-0243 Proposal: New	Technical Support for Abt Bid to State of California	Research - Applied	Abt Associates, Inc.	Other (Non-TX State) Govt Flow Thru	Co-PI	8/1/2018	0.91	0.00%	50%	\$1	Pending
		Totals for	<b>Mager, Edward</b>							<b>\$1</b>	
<b>McGarry, Roisin</b>											
<i>McGarry, R. , Co-PI; Ayre, B. , PI; Biological Sciences</i>											
18-0227 Proposal: New	Redesigning the cotton plant's architecture to improve yield and quality	Research - Basic	Cotton Incorporated	Not for Profit	Co-PI	1/1/2018	0.91	1500.00%	50%	\$22,500	Awarded
		Totals for	<b>McGarry, Roisin</b>							<b>\$22,500</b>	
		Totals for	<b>Biological Sciences</b>							<b>\$583,138</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Chemistry</b>											
<b>Buongiorno Nardelli, Marco</b>											
<i>Buongiorno Nardelli, M. , Co-PI; Chemistry; Buongiorno Nardelli, M. , PI; Physics</i>											
18-0231 Proposal: New	Chemical bond hierarchy and emergent cooperative phenomena in minerals.	Research - Basic	Robert A. Welch Foundation	Not for Profit	Co-PI	6/1/2018	2.91	0.00%	20%	\$39,000	Pending
		Totals for	<b>Buongiorno Nardelli, Marco</b>							<b>\$39,000</b>	
<b>Chyan, Oliver M</b>											
18-0233 Proposal: New	Novel Chemical Approaches to Enhance Etch Anisotropy	Research - Basic	Semiconductor Research Corporation	Not for Profit	PI	1/1/2018	1.91	4850.00%	100%	\$176,000	Pending
		Totals for	<b>Chyan, Oliver M</b>							<b>\$176,000</b>	
<b>D'souza, Francis</b>											
<i>D'souza, F. , PI; Chemistry; D'souza, F. , Co-PI; Materials Science &amp; Engineering</i>											
18-0267 Proposal: New	Solar-Liquid-Fuels': Scalable Photocatalytic Production and Utilization of High-Energy-Content Liquid Fuels	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	80%	\$156,000	Pending
		Totals for	<b>D'souza, Francis</b>							<b>\$156,000</b>	
<b>Golden, Teresa</b>											
18-0288 Proposal: New	Electrografted Hydrophobic Coated Ceramic Nanoparticles Electrodeposited into Metallic Alloys for Corrosion Resistance Coatings	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
		Totals for	<b>Golden, Teresa</b>							<b>\$195,000</b>	
<b>Kelber, Jeffry</b>											
18-0290 Proposal: New	Oxide nucleation at the nanoscale	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
		Totals for	<b>Kelber, Jeffry</b>							<b>\$195,000</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Marshall, Paul</b>											
18-0202 Proposal: New	Gas-Phase Chemistry of Sulfur Molecules	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
		Totals for	<b>Marshall, Paul</b>							<b>\$195,000</b>	
<b>Slaughter, Legrande</b>											
18-0306 Proposal: New	Exploiting Noncovalent Effects of Acyclic Carbene Ligands for Selective Catalysis	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
		Totals for	<b>Slaughter, Legrande</b>							<b>\$195,000</b>	
<b>Verbeck, Guido</b>											
<i>Verbeck, G. , Co-PI; Chemistry; Dubansky, B. , PI; Biological Sciences</i>											
18-0026 Proposal: New	Evaluation of a natural model of resistance to carcinogenesis	Research - Basic	Cancer Prevention and Research Institute of Texas	State of TX	Co-PI	8/1/2018	1.91	526.30%	20%	\$58,030	Pending
		Totals for	<b>Verbeck, Guido</b>							<b>\$58,030</b>	
<b>Wang, Hong</b>											
18-0294 Proposal: New	Merging Enamine Catalysis with Metal Lewis Acid Catalysis for the Development of New Asymmetric Organic Transformations	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
		Totals for	<b>Wang, Hong</b>							<b>\$195,000</b>	
		Totals for	<b>Chemistry</b>							<b>\$1,404,030</b>	
<b>Mathematics</b>											
<b>Allaart, Pieter</b>											
18-0255 Proposal: New	Fractal geometry and number theory	Research - Basic	Simons Foundation	Foundation	PI	9/1/2018	4.91	2000.00%	100%	\$42,000	Pending
		Totals for	<b>Allaart, Pieter</b>							<b>\$42,000</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<b>Fishman, Lior</b>												
18-0218 Proposal: New	Number theory, dynamics and measure theory	Research - Basic	Simons Foundation	Foundation	PI	9/1/2018	4.91	2000.00%	100%	\$42,000	Pending	
		Totals for	<b>Fishman, Lior</b>							<b>\$42,000</b>		
<b>Gao, Su</b>												
18-0256 Proposal: New	The isomorphism problem for rank-one transformations	Research - Basic	Simons Foundation	Foundation	PI	9/1/2018	4.91	2000.00%	100%	\$42,000	Pending	
		Totals for	<b>Gao, Su</b>							<b>\$42,000</b>		
<b>Urbanski, Mariusz</b>												
18-0277 Proposal: New	Random and Conformal Dynamical Systems	Research - Basic	Simons Foundation	Foundation	PI	9/1/2018	4.91	2000.00%	100%	\$42,000	Pending	
		Totals for	<b>Urbanski, Mariusz</b>							<b>\$42,000</b>		
<b>Wang, Xuexia</b>												
18-0223 Proposal: New	Predicting Risk of Anthracycline-related Cardiotoxicity in Childhood Cancer Survivors	Research - Basic	The University of Alabama at Birmingham	Federal Flow Thru	PI	9/1/2018	4.91	4850.00%	100%	\$203,343	Pending	
		Totals for	<b>Wang, Xuexia</b>							<b>\$203,343</b>		
		Totals for	<b>Mathematics</b>							<b>\$371,343</b>		

### Physics

#### Aouadi, Samir

*Aouadi, S. , Co-PI; Physics; Aouadi, S. , PI; Berman, D. , Co-PI; Materials Science & Engineering*

18-0187 Proposal: New	Collaborative Research: Friction and wear activated healing during sliding of ceramic interfaces	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2018	2.91	4850.00%	12%	\$50,390	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>Aouadi, S. , Co-PI; Physics; Reidy, R. , PI; Aouadi, S. , Co-PI; Materials Science &amp; Engineering</i>											
18-0237 Proposal: New	Development of Ti2AlC Protective Layers for Glass Molds	Research - Applied	Entegris, Inc.	Industry	Co-PI	1/10/2018	1	4850.00%	10%	\$7,500	Pending
Totals for			<b>Aouadi, Samir</b>							<b>\$57,890</b>	
<b>Buongiorno Nardelli, Marco</b>											
<i>Buongiorno Nardelli, M. , PI; Physics; Buongiorno Nardelli, M. , Co-PI; Chemistry</i>											
18-0231 Proposal: New	Chemical bond hierarchy and emergent cooperative phenomena in minerals.	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	80%	\$156,000	Pending
Totals for			<b>Buongiorno Nardelli, Marco</b>							<b>\$156,000</b>	
<b>Lin, Yuankun</b>											
<i>Lin, Y. , PI; Physics; Lin, Y. , Co-PI; Electrical Engineering</i>											
18-0251 Proposal: New	Collaborative Research: Holography-Guided Additive Fabrication of 3D Colloidal Devices with Electrowetting-Controlled Programmable dosing	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2018	2.91	4850.00%	75%	\$134,659	Pending
Totals for			<b>Lin, Yuankun</b>							<b>\$134,659</b>	
<b>Philipose, Usha</b>											
18-0283 Proposal: New	Large area growth of Molybdenum Disulfide monolayers guided by kinetically active substrate surface	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	7/1/2018	2.91	0.00%	100%	\$195,000	Pending
Totals for			<b>Philipose, Usha</b>							<b>\$195,000</b>	
<b>Rout, Bibhudutta</b>											
18-0245 Proposal: New	Synthesis and Phase formation of Ternary Transition Metal Silicide Nano-systems in Silicon using Low energy Multiple Ion Implantation	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	2.91	0.00%	100%	\$195,000	Pending
Totals for			<b>Rout, Bibhudutta</b>							<b>\$195,000</b>	
Totals for			<b>Physics</b>							<b>\$738,549</b>	
Totals for			<b>College of Science</b>							<b>\$3,097,059</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 Visual Arts &amp; Design</b>											
<b>Design</b>											
<b>West, Ruth</b>											
18-0242 Proposal: New	Collaborative Research: IIS: Advancing Technology for Visual-Spatial Training: Supporting Critical STEM Skill Acquisition	Research - Basic	National Science Foundation - Federal NSF		PI	8/15/2018	3	4850.00%	100%	\$150,000	Pending
		Totals for	<b>West, Ruth</b>							<b>\$150,000</b>	
		Totals for	<b>Design</b>							<b>\$150,000</b>	
<b>Studio Art</b>											
<b>LaFleur, Liss</b>											
18-0259 Proposal: New	Steelcase Active Learning / New Media Art Classroom	Research - Development	Steelcase Education	Not for Profit	PI	8/1/2018	1.75	4850.00%	100%	\$67,000	Pending
		Totals for	<b>LaFleur, Liss</b>							<b>\$67,000</b>	
		Totals for	<b>Studio Art</b>							<b>\$67,000</b>	
		Totals for	<b>College of Visual Arts &amp; Design</b>							<b>\$217,000</b>	
<b>Research &amp; Innovation</b>											
<b>Advanced Environmental Research Institute (AERI)</b>											
<b>Roberts, Aaron</b>											
<i>Roberts, A. , PI; Advanced Environmental Research Institute (AERI); Mager, E. , Co-PI; Biological Sciences</i>											
18-0243 Proposal: New	Technical Support for Abt Bid to State of California	Research - Applied	Abt Associates, Inc.	Other (Non-TX State) Govt Flow Thru	PI	8/1/2018	0.91	0.00%	50%	\$1	Pending
		Totals for	<b>Roberts, Aaron</b>							<b>\$1</b>	
		Totals for	<b>Advanced Environmental Research Institute (AERI)</b>							<b>\$1</b>	
		Totals for	<b>Research &amp; Innovation</b>							<b>\$1</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>University Library</b>											
<b>University Library - General</b>											
<b>Krahmer, Ana</b>											
<i>Krahmer, A. , Co-PI; Phillips, M. , PI; University Library - General</i>											
18-0236 Proposal: New	Lone Star Ink: Texas NDNP 2018	Public Service	National Endowment for the Humanities - NEH	Federal	Co-PI	9/1/2018	1.91	0.00%	50%	\$131,563	Pending
		Totals for	<b>Krahmer, Ana</b>							<b>\$131,563</b>	
<b>Phillips, Mark</b>											
<i>Phillips, M. , PI; Krahmer, A. , Co-PI; University Library - General</i>											
18-0236 Proposal: New	Lone Star Ink: Texas NDNP 2018	Public Service	National Endowment for the Humanities - NEH	Federal	PI	9/1/2018	1.91	0.00%	50%	\$131,563	Pending
		Totals for	<b>Phillips, Mark</b>							<b>\$131,563</b>	
		Totals for	<b>University Library - General</b>							<b>\$263,125</b>	
		Totals for	<b>University Library</b>							<b>\$263,125</b>	
		Totals for	<b>UNT</b>							<b>\$12,018,274</b>	
		Totals for	<b>January FY2018:</b>							<b>\$12,018,274</b>	