

Monthly Proposals Report for October 2023
Office of Grants and Contracts, University of North Texas

Proposals Total by College	October 2022	October 2023	YTD FY2023	YTD FY2024
College of Education	\$ 999,910	\$ 372,836	\$ 2,556,788	\$ 2,757,354
College of Engineering	\$ 14,219,570	\$ 11,346,009	\$ 20,457,580	\$ 19,801,788
College of Health & Public Service	\$ 3,687,149	\$ 2,718,293	\$ 5,096,574	\$ 3,303,767
College of Information	\$ 2,563,712	\$ 448,673	\$ 3,389,701	\$ 3,684,749
College of Liberal Arts & Social Sciences ³	\$ 1,470,235	\$ 4,021,255	\$ 4,554,119	\$ 6,637,421
College of Merchandising Hospitality and Tourism	\$ -	\$ -	\$ -	\$ 273,863
College of Science	\$ 7,633,319	\$ 3,819,795	\$ 12,971,387	\$ 19,620,164
College of Visual Arts and Design	\$ 70,000	\$ -	\$ 70,000	\$ -
College of Music	\$ -	\$ -	\$ -	\$ -
Ryan College of Business	\$ -	\$ 119,927	\$ 499,825	\$ 577,099
Other ¹	\$ 326,500	\$ -	\$ 1,214,807	\$ 1,758,532
Grand Total:	\$ 30,970,395	\$ 22,846,787	\$ 50,810,782	\$ 58,414,737

Proposals Total by Category	October 2022	October 2023	YTD FY2023	YTD FY2024
Instruction	\$ -	\$ 1,100	\$ -	\$ 1,100
Public Service	\$ -	\$ -	\$ 722,204	\$ -
Research (Applied, Basic, Development)	\$ 30,514,479	\$ 22,745,496	\$ 48,742,357	\$ 58,121,080
Other ²	\$ 455,916	\$ 100,191	\$ 1,346,221	\$ 292,557
Grand Total:	\$ 30,970,395	\$ 22,846,787	\$ 50,810,782	\$ 58,414,737

Proposals Total by Source of Funding	October 2022	October 2023	YTD FY2023	YTD FY2024
Federal	\$ 29,428,540	\$ 22,465,710	\$ 46,020,842	\$ 56,510,821
Private	\$ 1,047,831	\$ 381,077	\$ 4,233,609	\$ 1,903,916
State	\$ 494,024	\$ -	\$ 556,331	\$ -
Grand Total:	\$ 30,970,395	\$ 22,846,787	\$ 50,810,782	\$ 58,414,737

Notes:

- 1 Other includes UNT Libraries, Vice Provost for Academic Outreach, International Affairs, Student Engagement, Police Services, University Information Service, and Research & Innovation
- 2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training
- 3 "CLASS" includes Mayborn School of Journalism departments as of 09/01/2019

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, October FY2024

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 Education

Biological Sciences

McFarlin, Brian

McFarlin,B.,PI; Biological Sciences; McFarlin,B.,PI; Kinesiology, Hlth Promo, & Rec

GFP0001108 New	Efficacy of VitaminEnergy: How Long Does it Maintain Its Effect?	Research-Applied	Vitamin Energy, LLC.	Industry/For Profit	PI	10/1/2023	3	48.50%	7	\$8,750	Pending Sponsor Review
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Totals for **McFarlin, Brian** **\$8,750**

Totals for **Biological Sciences** **\$8,750**

Counseling & Higher Education

Lemberger-Truelove, Matthew

Lemberger-Truelove,M.,CoPI; Li,D.,PI; Counseling & Higher Education

GFP0001224 New	Southern Plains Early-Childhood Total health, climate Resilience Universal Management Center (SPECTRUM)	Research-Applied	The University of Oklahoma Health Scienc	Federal Flow-through	Co-PI	6/1/2024	3	48.50%	25	\$59,459	Pending Sponsor Review
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Totals for **Lemberger-Truelove, Matthew** **\$59,459**

Li, Dan

Li,D.,PI; Lemberger-Truelove,M.,CoPI; Counseling & Higher Education

GFP0001224 New	Southern Plains Early-Childhood Total health, climate Resilience Universal Management Center (SPECTRUM)	Research-Applied	The University of Oklahoma Health Scienc	Federal Flow-through	PI	6/1/2024	3	48.50%	75	\$178,377	Pending Sponsor Review
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Totals for **Li, Dan** **\$178,377**

Totals for **Counseling & Higher Education** **\$237,836**

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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Kinesiology, Hlth Promo, & Rec

McFarlin, Brian

McFarlin,B.,PI; Kinesiology, Hlth Promo, & Rec; McFarlin,B.,PI; Biological Sciences

GFP0001108 New	Efficacy of VitaminEnergy: How Long Does it Maintain Its Effect?	Research-Applied	Vitamin Energy, LLC.	Industry/For Profit	PI	10/1/2023	3	48.50%	93	\$116,250	Pending Sponsor Review
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Totals for **McFarlin, Brian** **\$116,250**

Totals for **Kinesiology, Hlth Promo, & Rec** **\$116,250**

Teacher Education & Admin

Kudaisi, Queshonda

GFP0001238 New	The Environmental Science and Geometry in Natural Environments [EnGINE] Project	Research-Basic	National Council of Teachers of Mathemat	Foundation/Not For Profit	PI	2/1/2024	1	0.00%	100	\$10,000	Pending Sponsor Review
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Totals for **Kudaisi, Queshonda** **\$10,000**

Totals for **Teacher Education & Admin** **\$10,000**

Totals for **College of Education** **\$372,836**

College of Engineering

Biomedical Engineering

Jafari, Amir

GFP0001227 New	Electromagnetic Soft Actuation Technology for Biomedical Applications	Research-Applied	Robotics and STEM LLC	Federal Flow-through	PI	6/1/2024	0.7	48.50%	100	\$89,960	Pending Sponsor Review
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Totals for **Jafari, Amir** **\$89,960**

Won, Youngwook

GFP0001189 New	Blocking prohibitin enhances the effectiveness of checkpoint inhibitors in treating tumors associated with obesity	Research-Basic	National Institutes of Health	Federal	PI	7/1/2024	5	48.50%	100	\$1,820,152	Pending Sponsor Review
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Totals for **Won, Youngwook** **\$1,820,152**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Yang, Huaxiao											
GFP0001087 New	Assessing Tyrosine Kinase Inhibitors-induced Cardiotoxicity with an Organoid-AI System	Research-Applied	National Institutes of Health	Federal	PI	7/1/2024	5	48.50%	100	\$2,681,018	Pending Sponsor Review
Totals for			Yang, Huaxiao							\$2,681,018	
Totals for			Biomedical Engineering							\$4,591,130	

Computer Science & Engineering

Bhowmick, Sanjukta

GFP0001204 New	Collaborative Research: SHF: Medium: Incremental Non-Blocking Checkpointing Implementation for Large Dynamic Applications (INCHILADA)	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$510,000	Pending Sponsor Review
Totals for			Bhowmick, Sanjukta							\$510,000	

Bozdag, Serdar

Bozdag,S.,PI; Computer Science & Engineering; Bozdag,S.,PI; Mathematics

GGFP00057 Resubmission	Generalizable machine learning models for early prediction of Alzheimer's disease in diverse demographic populations	Research-Basic	Florida International University	Federal Flow-through	PI	7/1/2024	5	48.50%	60	\$897,968	Pending Sponsor Review
Totals for			Bozdag, Serdar							\$897,968	

Do, Hyunsook

Do,H.,PI; Tunc,C.,CoPI; Computer Science & Engineering

GFP0001175 New	Collaborative Research: SHF: Medium: RUI: CAMS2- Context-Aware Model-based Safety and Security Analysis for Collaborative Autonomous Vehicles	Research-Applied	National Science Foundation	Federal	PI	6/1/2024	4	48.50%	50	\$299,985	Pending Sponsor Review
Totals for			Do, Hyunsook							\$299,985	

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.,PI; Computer Science & Engineering; Kougianos,E.,CoPI; Electrical Engineering</i>											
GFP0001250 New	SCH: Nutri-Collect: A Tiny Machine Learning Based Novel Multimodal Sensor System for Automatic Diet Analyses in IoT	Research-Applied	University of North Carolina Wilmington	Federal Flow-through	PI	7/1/2024	4	48.50%	60	\$144,000	Pending Sponsor Review
		Totals for	Mohanty, Saraju							\$144,000	
Pottathuparambil, Robin											
GFP0001128 New	Camp Learn AI	Other	Texas Workforce Commission	Flow-through	PI	3/1/2024	0.5	8.38%	100	\$99,991	Pending Sponsor Review
		Totals for	Pottathuparambil, Robin							\$99,991	
Rattani, Ajita											
GFP0001217 New	PIPP Phase II: Theme 1, South Western Infectious Diseases and Pandemics Research Center (SWIFT-SPARC)	Research-Basic	Oklahoma State University	Federal Flow-through	PI	7/9/2024	7	48.50%	100	\$550,000	Pending Sponsor Review
		Totals for	Rattani, Ajita							\$550,000	
Shu, Tong											
GFP0001212 New	OAC Core: Computational Performance Predictor for Distributed Deep Learning Training with Inter-Operator Parallelism on Multiple GPUs	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$349,999	Pending Sponsor Review
		Totals for	Shu, Tong							\$349,999	
Tunc, Cihan											
<i>Tunc,C.,CoPI; Do,H.,PI; Computer Science & Engineering</i>											
GFP0001175 New	Collaborative Research: SHF: Medium: RUI: CAMS2- Context-Aware Model-based Safety and Security Analysis for Collaborative Autonomous Vehicles	Research-Applied	National Science Foundation	Federal	Co-PI	6/1/2024	4	48.50%	50	\$299,985	Pending Sponsor Review

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
		Totals for	Tunc, Cihan							\$299,985	
Yuan, Xiaohui											
GFP0001199 New	Open-source Development for Multi-Source Imaging of Long-Term Irrigation Status and Type Changes in the Mississippi Alluvial Valley	Research-Basic	National Aeronautics & Space Administrat	Federal	PI	5/1/2024	1	48.50%	100	\$50,000	Pending Sponsor Review
		Totals for	Yuan, Xiaohui							\$50,000	
		Totals for	Computer Science & Engineering						\$3,201,928		

Electrical Engineering

Kougianos, Elias

Kougianos,E.,CoPI; Electrical Engineering; Mohanty,S.,PI; Computer Science & Engineering

GFP0001250 New	SCH: Nutri-Collect: A Tiny Machine Learning Based Novel Multimodal Sensor System for Automatic Diet Analyses in IoMT	Research-Applied	University of North Carolina Wilmington	Federal Flow-through	Co-PI	7/1/2024	4	48.50%	40	\$96,000	Pending Sponsor Review
		Totals for	Kougianos, Elias							\$96,000	

Namuduri, Kameswara Rao

Namuduri,K.,CoPI; Electrical Engineering; Pohlen,T.,PI; Purtell,C.,CoPI; Logistics & Operations Mgmt

GFP0001191 New	CNO's Advanced Regional Mobility Corridor (ARMC) project	Research-Basic	Choctaw Nation of Oklahoma	Federal Flow-through	Co-PI	5/1/2024	1.6	48.50%	40	\$79,952	Pending Sponsor Review
		Totals for	Namuduri, Kameswara Rao							\$79,952	
		Totals for	Electrical Engineering						\$175,952		

Materials Science & Engineer

Choi, Wonbong

Choi,W.,PI; Materials Science & Engineer; Choi,W.,PI; Mechanical Engineering

GFP0001219 Renewal	3D printed multifunctional structure in advanced vehicle for in-situ vehicle health monitoring	Research-Basic	Oak Ridge National Laboratory DOE	Federal Flow-through	PI	1/1/2024	3	48.50%	80	\$216,000	Pending Sponsor Review
		Totals for	Choi, Wonbong							\$216,000	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Dahotre, Narendra											
<i>Dahotre,N.,CoPI; Joshi,S.,PI; Young,M.,CoPI; Materials Science & Engineer</i>											
GGFP00049 Revision	Evaluating Recycled Powder for 316L Printed by Laser Bed Powder Fusion (LBPF) and Direct Energy Deposition (DED) Created from Recycled Material	Research-Basic	Emerson Process Management	Industry/For Profit	Co-PI	1/16/2024	1	48.50%	25	\$16,554	Pending Sponsor Review
Totals for			Dahotre, Narendra							\$16,554	
Joshi, Sameehan											
<i>Joshi,S.,PI; Dahotre,N.,CoPI; Young,M.,CoPI; Materials Science & Engineer</i>											
GGFP00049 Revision	Evaluating Recycled Powder for 316L Printed by Laser Bed Powder Fusion (LBPF) and Direct Energy Deposition (DED) Created from Recycled Material	Research-Basic	Emerson Process Management	Industry/For Profit	PI	1/16/2024	1	48.50%	40	\$26,486	Pending Sponsor Review
Totals for			Joshi, Sameehan							\$26,486	
Young, Marcus											
<i>Young,M.,CoPI; Joshi,S.,PI; Dahotre,N.,CoPI; Materials Science & Engineer</i>											
GGFP00049 Revision	Evaluating Recycled Powder for 316L Printed by Laser Bed Powder Fusion (LBPF) and Direct Energy Deposition (DED) Created from Recycled Material	Research-Basic	Emerson Process Management	Industry/For Profit	Co-PI	1/16/2024	1	48.50%	35	\$23,175	Pending Sponsor Review
Totals for			Young, Marcus							\$23,175	
Zheng, Yufeng											
GFP0001151 New	Microstructure Characterization in Titanium Alloys and Titanium-based Nanocomposite	Research-Basic	Medtronic	Industry/For Profit	PI	11/1/2023	1	48.50%	100	\$39,437	Pending Sponsor Review
Totals for			Zheng, Yufeng							\$39,437	
Totals for			Materials Science & Engineer							\$321,651	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Mathematics											
Bozdag, Serdar											
<i>Bozdag,S.,PI; Mathematics; Bozdag,S.,PI; Computer Science & Engineering</i>											
GGFP00057 Resubmission	Generalizable machine learning models for early prediction of Alzheimer's disease in diverse demographic populations	Research-Basic	Florida International University	Federal Flow-through	PI	7/1/2024	5	48.50%	40	\$598,646	Pending Sponsor Review
		Totals for	Bozdag, Serdar							\$598,646	
		Totals for	Mathematics							\$598,646	
Mechanical Engineering											
Choi, Wonbong											
<i>Choi,W.,PI; Mechanical Engineering; Choi,W.,PI; Materials Science & Engineer</i>											
GFP0001219 Renewal	3D printed multifunctional structure in advanced vehicle for in-situ vehicle health monitoring	Research-Basic	Oak Ridge National Laboratory DOE	Federal Flow-through	PI	1/1/2024	3	48.50%	20	\$54,000	Pending Sponsor Review
		Totals for	Choi, Wonbong							\$54,000	
John, Kuruvilla											
<i>John,K.,CoPI; Yalamanchili,R.,PI; Sadat,H.,CoPI; Mechanical Engineering</i>											
GFP0001104 New	Innovative supercritical compressed air systems for grid-scale energy storage	Research-Applied	TerraStor Energy Corporation	Federal Flow-through	Co-PI	9/1/2024	1	48.50%	33	\$49,499	Pending Sponsor Review
		Totals for	John, Kuruvilla							\$49,499	
Krueger, Paul											
<i>Krueger,P.,CoPI; Manzo,M.,PI; Sadat,H.,CoPI; Mechanical Engineering</i>											
GFP0001127 New	A novel mixing and pumping device for on-demand supply of glucagon	Research-Basic	National Institutes of Health	Federal	Co-PI	8/1/2024	3	48.50%	33	\$190,095	Pending Sponsor Review
		Totals for	Krueger, Paul							\$190,095	
Manzo, Maurizio											
<i>Manzo,M.,PI; Sadat,H.,CoPI; Krueger,P.,CoPI; Mechanical Engineering</i>											
GFP0001127 New	A novel mixing and pumping device for on-demand supply of glucagon	Research-Basic	National Institutes of Health	Federal	PI	8/1/2024	3	48.50%	34	\$195,856	Pending Sponsor Review

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	Manzo, Maurizio						\$195,856	
Sadat, Hamid											
<i>Sadat,H.,CoPI; Yalamanchili,R.,PI; John,K.,CoPI; Mechanical Engineering</i>											
GFP0001104 New	Innovative supercritical compressed air systems for grid-scale energy storage	Research-Applied	TerraStor Energy Corporation	Federal Flow-through	Co-PI	9/1/2024	1	48.50%	33	\$49,499	Pending Sponsor Review
<i>Sadat,H.,CoPI; Manzo,M.,PI; Krueger,P.,CoPI; Mechanical Engineering</i>											
GFP0001127 New	A novel mixing and pumping device for on-demand supply of glucagon	Research-Basic	National Institutes of Health	Federal	Co-PI	8/1/2024	3	48.50%	33	\$190,095	Pending Sponsor Review
			Totals for	Sadat, Hamid						\$239,595	
Shi, Sheldon											
<i>Shi,S.,PI; Mechanical Engineering; Wang,H.,CoPI; Chemistry</i>											
GFP0001121 New	PARTNERSHIP: Bio-based Phase Change Materials from Waste Cooking Oils for Building Thermal Energy Storage	Research-Basic	U.S. Department of Agriculture	Federal	PI	6/1/2024	3	48.50%	70	\$560,000	Pending Sponsor Review
GGFP00039 Resubmission	Low-Level Formaldehyde Mitigation From Wood And Wood Products	Research-Applied	U.S. Department of Agriculture	Federal	PI	6/1/2024	3	46.71%	100	\$650,000	Pending Sponsor Review
			Totals for	Shi, Sheldon						\$1,210,000	
Xiao, Xinyi											
GFP0001205 New	Programmable Metamaterials for Lightweight Spinal Implants with Multi-Functional Biomimetic Mechanical Properties through Additive Manufacturing	Research-Basic	National Institutes of Health	Federal	PI	6/1/2024	3	48.50%	100	\$466,658	Pending Sponsor Review
			Totals for	Xiao, Xinyi						\$466,658	
Yalamanchili, Rattaya											
<i>Yalamanchili,R.,PI; John,K.,CoPI; Sadat,H.,CoPI; Mechanical Engineering</i>											
GFP0001104 New	Innovative supercritical compressed air systems for grid-scale energy storage	Research-Applied	TerraStor Energy Corporation	Federal Flow-through	PI	9/1/2024	1	48.50%	34	\$50,999	Pending Sponsor Review

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
		Totals for	Yalamanchili, Rattaya							\$50,999	
		Totals for	Mechanical Engineering							\$2,456,702	
		Totals for	College of Engineering							\$11,346,009	

**College of Health & Public Service
Rehabilitation and Health Serv**

Heck, Julia

eck,J.,PI; Rehabilitation and Health Serv; Kang,W.,CoPI; Geography

GFP0000637 New	Effects of Brake and Tire Wear on Childhood Cancer	Research-Basic	National Institutes of Health	Federal	PI	7/1/2024	5	48.50%	90	\$2,718,293	Pending Sponsor Review
		Totals for	Heck, Julia							\$2,718,293	
		Totals for	Rehabilitation and Health Serv							\$2,718,293	
		Totals for	College of Health & Public Service							\$2,718,293	

**College of Information
Learning Technologies**

McMahan, Timothy

GFP0001177 New	Graded virtual environment exposure for enhanced cognitive telerehabilitation adherence in persons with brain injury	Research-Basic	National Institutes of Health	Federal	PI	9/1/2024	2	48.50%	100	\$447,573	Pending Sponsor Review
		Totals for	McMahan, Timothy							\$447,573	
		Totals for	Learning Technologies							\$447,573	

Linguistics

Hartmann, Frederik

GFP0001066 New	Speaking Engagement: "the utility and implementation on Agent-based models for linguistic reconstruction"	Instruction	University of California, Los Angeles	Foundation/Not For Profit	PI	10/24/2023	0	10.00%	100	\$1,100	Awarded
		Totals for	Hartmann, Frederik							\$1,100	
		Totals for	Linguistics							\$1,100	
		Totals for	College of Information							\$448,673	

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 Liberal Arts & Social Sciences

Geography

Kang, Wei

Kang,W.,CoPI; Geography; Heck,J.,PI; Rehabilitation and Health Serv

GFP0000637 New	Effects of Brake and Tire Wear on Childhood Cancer	Research-Basic	National Institutes of Health	Federal	Co-PI	7/1/2024	5	48.50%	10	\$302,033	Pending Sponsor Review
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Totals for **Kang, Wei** **\$302,033**

Totals for **Geography** **\$302,033**

History

Datta, Arunima

GFP0001185 New	History of Travelling ayahs in Britain	Other	Reed College	Foundation/Not For Profit	PI	11/1/2023	0.2	10.00%	100	\$200	Pending Sponsor Review
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Totals for **Datta, Arunima** **\$200**

Totals for **History** **\$200**

Psychology

Contractor, Ateka

Contractor,A.,PI; Slavish,D.,CoPI; Psychology

GFP0001092 New	Sociocultural Determinants of Posttraumatic Stress Disorder, Sleep, and Cardiometabolic Health Among U.S. Asian Indians: An Ecological Momentary Assessment Study?	Research-Basic	National Institutes of Health	Federal	PI	7/1/2024	5	48.50%	50	\$1,842,011	Pending Sponsor Review
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Totals for **Contractor, Ateka** **\$1,842,011**

Slavish, Danica

Slavish,D.,CoPI; Contractor,A.,PI; Psychology

GFP0001092 New	Sociocultural Determinants of Posttraumatic Stress Disorder, Sleep, and Cardiometabolic Health Among U.S. Asian Indians: An Ecological Momentary Assessment Study?	Research-Basic	National Institutes of Health	Federal	Co-PI	7/1/2024	5	48.50%	50	\$1,842,011	Pending Sponsor Review
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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	Slavish, Danica							\$1,842,011	
		Totals for	Psychology							\$3,684,022	
Sociology											
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Ho, Phoebe											
GFP0001225 New	Renewing the American Dream: The Children of Immigrants in Higher Education	Research-Basic	Russell Sage Foundation	Foundation/Not For Profit	PI	6/1/2024	1	0.00%	100	\$35,000	Pending Sponsor Review
		Totals for	Ho, Phoebe							\$35,000	
		Totals for	Sociology							\$35,000	
		Totals for	College of Liberal Arts & Social Sciences							\$4,021,255	
College of Science											
Biological Sciences											
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Antunes, Mauricio											
GFP0001186 New	Using viral vectors for precision-guided gene editing in pennycress for a tailor-made sustainable aviation fuel crop	Research-Development	Technology Holding, LLC	Federal Flow-through	PI	2/12/2024	1	48.50%	100	\$149,562	Pending Sponsor Review
		Totals for	Antunes, Mauricio							\$149,562	
Gu, Feng											
<i>Gu, F., CoPI; Wang, X., PI; Biological Sciences</i>											
GFP0001172 New	UGT screening toward glycosylation and detoxification of anti-cancer drugs	Research-Basic	National Institutes of Health	Federal	Co-PI	7/1/2024	2	48.50%	40	\$163,350	Pending Sponsor Review
		Totals for	Gu, Feng							\$163,350	
Lund, Amie											
GFP0001203 New	Determining Effects of Diesel Exhaust Particulate Exposure Using Organ-on-a-Chip.	Research-Basic	CFD Research Corporation	Federal Flow-through	PI	5/1/2024	3	48.50%	100	\$35,000	Pending Sponsor Review
		Totals for	Lund, Amie							\$35,000	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Macias, Vanessa											
GFP0001176 New	Advancing Mosquito Suppression Strategies with the Temperature-Sensitive Cas12a Nuclease	Research-Basic	University of Texas HSC at Houston	Federal Flow-through	PI	7/1/2024	2	48.50%	100	\$84,716	Pending Sponsor Review
		Totals for	Macias, Vanessa							\$84,716	
Wang, Xiaoqiang											
<i>Wang, X., PI; Gu, F., CoPI; Biological Sciences</i>											
GFP0001172 New	UGT screening toward glycosylation and detoxification of anti-cancer drugs	Research-Basic	National Institutes of Health	Federal	PI	7/1/2024	2	48.50%	60	\$245,025	Pending Sponsor Review
		Totals for	Wang, Xiaoqiang							\$245,025	
		Totals for	Biological Sciences							\$677,653	
Chemistry											
Atkinson, Molly											
GFP0000950 New	Advancing Asset-Based Theoretical and Methodological Perspectives in STEM Education Research	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$500,000	Pending Sponsor Review
		Totals for	Atkinson, Molly							\$500,000	
Golden, Teresa											
GFP0001237 New	Effect of branched chain amino acids on glucose metabolism in optic nerve cells	Research-Basic	University of North Texas Health Science	Flow-through	PI	7/1/2024	2	0.00%	100	\$4,135	Pending Sponsor Review
		Totals for	Golden, Teresa							\$4,135	
Ma, Shengqian											
GFP0001173 New	Bio-Inspired Nanospace Engineering for Precious-Metal-Free Heterogeneous Selective Hydrogenation	Research-Basic	National Science Foundation	Federal	PI	9/1/2024	3	48.50%	100	\$479,192	Pending Sponsor Review
		Totals for	Ma, Shengqian							\$479,192	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Tan, Kui											
GFP0001132 Renewal	Flexible 1D, 2D, and 3D Porous Coordination Polymers: A Unique Environment for Controlling Molecular Interactions	Research-Basic	Wake Forest University	Federal Flow-through	PI	1/5/2024	3	48.50%	100	\$510,000	Pending Sponsor Review
GFP0001136 New	Unravelling CO2 capture and conversion mechanisms on 2D MXenes with ab initio and in situ spectroscopy methods	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$687,001	Pending Sponsor Review
		Totals for	Tan, Kui							\$1,197,001	
Wang, Hong											
<i>Wang,H.,CoPI; Chemistry; Shi,S.,PI; Mechanical Engineering</i>											
GFP0001121 New	PARTNERSHIP: Bio-based Phase Change Materials from Waste Cooking Oils for Building Thermal Energy Storage	Research-Basic	U.S. Department of Agriculture	Federal	Co-PI	6/1/2024	3	48.50%	30	\$240,000	Pending Sponsor Review
		Totals for	Wang, Hong							\$240,000	
		Totals for	Chemistry							\$2,420,328	
Mathematics											
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Beneish, Lea											
GFP0001198 New	Diophantine geometry and modular generating series	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$168,023	Pending Sponsor Review
		Totals for	Beneish, Lea							\$168,023	
Morrow, Jackson											
GFP0001197 New	Non-Archimedean Techniques in Algebraic and Arithmetic Geometry	Research-Basic	National Science Foundation	Federal	PI	6/1/2024	3	48.50%	100	\$164,791	Pending Sponsor Review
		Totals for	Morrow, Jackson							\$164,791	
		Totals for	Mathematics							\$332,814	

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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Physics

Neu, Jens

GFP0001156 New	Ultrafast Photophysics in Lightweight Materials for Solar Power Generation	Research-Basic	National Aeronautics & Space Administrat	Federal	PI	8/15/2024	4	0.00%	100	\$336,000	Pending Sponsor Review
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Totals for **Neu, Jens** **\$336,000**

Rout, Bibhudutta

GFP0001214 New	Radiation Hardened Microelectronics	Research-Applied	Excellerix, LLC	Federal Flow-through	PI	1/1/2024	0.5	48.50%	100	\$28,000	Pending Sponsor Review
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Totals for **Rout, Bibhudutta** **\$28,000**

Syllaios, Athanasios

GFP0001208 New	Export Controlled/Classified – Title Removed	Research-Development	DRS Network & Imaging Systems, LLC	Federal Flow-through	PI	10/1/2023	0.4	48.50%	100	\$25,000	Pending Sponsor Review
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Totals for **Syllaios, Athanasios** **\$25,000**

Totals for **Physics** **\$389,000**

Totals for **College of Science** **\$3,819,795**

Ryan College of Business

Logistics & Operations Mgmt

Pohlen, Terrance

Pohlen, T., PI; Purtell, C., CoPI; Logistics & Operations Mgmt; Namuduri, K., CoPI; Electrical Engineering

GFP0001191 New	CNO's Advanced Regional Mobility Corridor (ARMC) project	Research-Basic	Choctaw Nation of Oklahoma	Federal Flow-through	PI	5/1/2024	1.6	48.50%	20	\$39,976	Pending Sponsor Review
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Totals for **Pohlen, Terrance** **\$39,976**

Purtell, Clinton

Purtell, C., CoPI; Pohlen, T., PI; Logistics & Operations Mgmt; Namuduri, K., CoPI; Electrical Engineering

GFP0001191 New	CNO's Advanced Regional Mobility Corridor (ARMC) project	Research-Basic	Choctaw Nation of Oklahoma	Federal Flow-through	Co-PI	5/1/2024	1.6	48.50%	40	\$79,952	Pending Sponsor Review
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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	Purtell, Clinton							\$79,952	
		Totals for	Logistics & Operations Mgmt							\$119,927	
		Totals for	Ryan College of Business							\$119,927	
		Totals for	UNT							\$22,846,787	
		Totals for	October FY2024:							\$22,846,787	