Monthly Expenditures Report for November 2018

Office of Grants and Contracts, University of North Texas

nditures Total by College	N	lovember 2017		November 2018		YTD FY2018		YTD FY2019
College of Business	\$	19,994	\$	47,104	\$	93,776	\$	116,748
College of Education	\$	271,279	\$	95,044	\$	774,084	\$	462,70
College of Engineering	\$	552,040	\$	556,573	\$	1,638,527	\$	3,103,21
College of Health & Public Service (prev. PACS)	\$	104,594	\$	115,734	\$	355,684	\$	362,85
College of Information	\$	56,428	\$	70,641	\$	170,794	\$	142,75
College of Liberal Arts & Social Sciences	\$	149,116	\$	154,532	\$	594,308	\$	410,05
College of Merchandising Hospitality and Tourism	\$	9,147	\$	13,334	\$	40,910	\$	38,40
College of Music	\$	-	\$	-			\$	
College of Science	\$	444,116	\$	472,627	\$	1,446,448	\$	1,427,33
College of Visual Arts and Design	\$	5,042	\$	-	\$	12,938	\$	
Mayborn School of Journalism	\$	3,217	\$	-	\$	8,450	\$	
			4	203,936	\$	545,995	\$	625,88
Other	\$	193,025	\$	203,930	Ş	545,995	Ş	023,00
Other Grand Total:	\$ \$	•	\$	1,729,526		5,681,916	\$	6,689,96
Grand Total:		•		•		•		•
		•		•		•		•
Grand Total:	\$	1,807,998		1,729,526	\$	•	\$	6,689,96
Grand Total:	\$	1,807,998 198,071	\$	1,729,526 154,102	\$	5,681,916 723,770	\$	6,689,96 526,91
Instruction Research	\$ \$ \$	1,807,998 198,071 1,279,679	\$	1,729,526 154,102 1,277,667	\$ \$ \$	723,770 3,964,480	\$ \$ \$	6,689,96 526,91 5,327,21
Instruction Grand Total:	\$	1,807,998 198,071	\$ \$ \$	1,729,526 154,102 1,277,667 297,756	\$ \$ \$ \$	5,681,916 723,770	\$	6,689,96 526,91 5,327,21 835,84
Instruction Research Public Service	\$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248	\$ \$ \$	1,729,526 154,102 1,277,667	\$ \$ \$ \$	723,770 3,964,480 993,666	\$ \$ \$ \$	6,689,96 526,91 5,327,21 835,84
Instruction Research Public Service	\$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248	\$ \$ \$	1,729,526 154,102 1,277,667 297,756	\$ \$ \$ \$	723,770 3,964,480 993,666	\$ \$ \$ \$	6,689,96 526,91 5,327,21 835,84
Instruction Research Public Service Grand Total: Minimum Total by Category	\$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248 1,807,998	\$ \$ \$ \$	1,729,526 154,102 1,277,667 297,756 1,729,526	\$ \$ \$ \$ \$	723,770 3,964,480 993,666 5,681,916	\$ \$ \$ \$	6,689,96 526,91 5,327,21 835,84 6,689,96
Instruction Research Public Service Grand Total: Mittures Total by Source of Funding Federal	\$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248 1,807,998	\$ \$ \$ \$ \$	1,729,526 154,102 1,277,667 297,756 1,729,526	\$ \$ \$ \$ \$	723,770 3,964,480 993,666 5,681,916	\$ \$ \$ \$ \$	526,91 5,327,21 835,84 6,689,96
Instruction Research Public Service Grand Total: mditures Total by Source of Funding Federal Private	\$ \$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248 1,807,998 1,413,900 290,270	\$ \$ \$ \$ \$	1,729,526 154,102 1,277,667 297,756 1,729,526 1,378,388 244,275	\$ \$ \$ \$ \$ \$	723,770 3,964,480 993,666 5,681,916 4,421,865 952,392	\$ \$ \$ \$ \$ \$	526,91 5,327,21 835,84 6,689,96 5,530,35 902,19
Instruction Research Public Service Grand Total: Mittures Total by Source of Funding Federal	\$ \$ \$ \$	1,807,998 198,071 1,279,679 330,248 1,807,998	\$ \$ \$ \$ \$	1,729,526 154,102 1,277,667 297,756 1,729,526	\$ \$ \$ \$ \$	723,770 3,964,480 993,666 5,681,916	\$ \$ \$ \$ \$	•

Note: "Other" Colleges includes UNT Libraries, Honors College, Distributed Learning Support, Office of the Provost and Vice President of Academic Affairs, Vice President for Student Development, Vice President for Research and Economic Development, Enrollment Management and Equity and Diversity. 2 "Other" categories include Academic Support, Student Services, Institutional Support, Scholarships and Fellowships

last updated 1/8/2019

Project	Title	C	ategory	Sponsor	Funding			Recognition	Recognition
ID	THE		attegory	Sponsor .	Source	Co-PI	This Period	. %	Amount
UNT	-6 D'								
	of Business tion Technology & Decision Science								
Kim,Da	••	D . D	DI G			.•	<i>a</i> •		
	Co-PI; Information Technology & Decision Science; E		-		-			250/	0.57
GF1634	SFS-NEW: Advancing Learning and Leadership Through a Integrated Multidisciplinary Doctoral Program in Informati Assurance		Instruction	National Science Foundation	Feder	al Co-PI	\$2,293	3 25%	\$573
GF70029	Export Controlled, title removed		Instruction	National Security Agency	Fede	al PI	\$14,131	100%	\$14,131
	Tota	als for Ki	m,Dan Jong						\$14,704
	Tota	als for In	formation Tech	nology & Decision Science					\$14,704
Marketii	ng & Logistics								
Bomba,	Michael Stephen								
	I., Co-PI; Nowicki, D., PI; Marketing & Logistics; No	owicki, D.,	PI; Engineerin	g Technology; Carroll, M., Co-PI; I	Economics				
GF40031	SUPPORT OF IMPLEMENTING THE FIXING AMERIC SURFACE TRANSPORTATION ACT AND THE BORD TRADE ADVISORY COMMITTEE		Research	Texas Department of Transportation	n Feder	al Co-PI	\$36,000	50%	\$18,000
	Tota	als for B o	mba,Michael St	ephen					\$18,000
Nowicki	,David Richard								
Nowicki,	D., PI; Bomba, M., Co-PI; Marketing & Logistics; No	owicki, D.,	PI; Engineerin	g Technology; Carroll, M., Co-PI; I	Economics				
GF40031	SUPPORT OF IMPLEMENTING THE FIXING AMERIC SURFACE TRANSPORTATION ACT AND THE BORD TRADE ADVISORY COMMITTEE		Research	Texas Department of Transportation	n Feder	al PI	\$36,000	40%	\$14,400
	Tota	als for No	wicki,David Ric	chard					\$14,400
	Tota	als for M	arketing & Logi	stics					\$32,400
	Tota	als for Co	ollege of Busines	s					\$47,10 4
College	of Education								
	Center								

Texas Higher Education Coordinating

Public Service

Board

GA00007 A+HIPPY: A Statewide Autism Parent Training Collaboration

100%

\$16,884

PΙ

State

\$16,884

Project ID	Title		Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Callahan,	K., Co-PI; Autism Center; Mehta, S., PI; Boesch,	М., Со-Р	; Combes, B., Co-PI;	Educational Psychology					
GF0614	Project STArT: Systematic Training of Autism Teacher	rs	Instruction	U.S. Department of Education	Feder	al Co-PI	\$5,494	13.33%	\$732
	_	Γotals for	Callahan,Kevin John						\$17,616
		Totals for	Autism Center						\$17,616
Counseli	ng & Higher Education								
Bower,B	everly								
GP20053	Council for the Study of Community Colleges		Public Service	Council for the Study of Community Colleges	Priva	te PI	\$447	100%	\$447
		Totals for	Bower,Beverly						\$447
Ceballos	,Peggy Lorena								
Ceballos,	P., Co-PI; Wilson, A., PI; Counseling & Higher E	ducation;	Carey, C., Co-PI; Dis	sability & Addiction Rehabilitation					
GF10000	Expanding Cultural and Linguistically Appropriate Ser Integrated Care and Behavioral Health Settings	vices into	Public Service	Health Resources & Service Administra	tion Feder	al Co-PI	\$4,429	25%	\$1,107
Ceballos,	P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Counsel	ing & Hig	her Education						
GP20039	Play for the Future: Linking Mental Health to Academi Achievement for Young Children	c	Research	Hogg Foundation for Mental Health	Priva	te Co-PI	\$5,270	25%	\$1,317
		Totals for	Ceballos,Peggy Loren	na					\$2,425
Lindo,N	atalya Ann								
Lindo, N.,	Co-PI; Ray, D., PI; Ceballos, P., Co-PI; Counsel	ing & Hig	her Education						
GP20039	Play for the Future: Linking Mental Health to Academi Achievement for Young Children	c	Research	Hogg Foundation for Mental Health	Priva	te Co-PI	\$5,270	25%	\$1,317
	5	Totals for	Lindo,Natalya Ann						\$1,317
Prosek,F	Elizabeth Ann								
GF40062	Denton County Veterans Treatment Court Program		Public Service	Denton County	Feder	al PI	\$3,772	100%	\$3,772
		Totals for	Prosek,Elizabeth Ann	l					\$3,772
Ray,Dea	nne C								
Ray, D., F	PI; Ceballos, P., Co-PI; Lindo, N., Co-PI; Counsel	ing & Hig	her Education						
GP20039	Play for the Future: Linking Mental Health to Academi Achievement for Young Children	c	Research	Hogg Foundation for Mental Health	Priva	te PI	\$5,270	50%	\$2,635
	•	Totals for	Ray,Deanne C						\$2,635
-	Angie Denise								
Wilson, A.	., PI; Ceballos, P., Co-PI; Counseling & Higher E	ducation;	Carey, C., Co-PI; Dis	sability & Addiction Rehabilitation					
GF10000	Expanding Cultural and Linguistically Appropriate Ser Integrated Care and Behavioral Health Settings	vices into	Public Service	Health Resources & Service Administra	tion Feder	al PI	\$4,429	50%	\$2,215

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period		Recognition Amount
Wilson, A	., PI; Counseling & Higher Education; Carey, C., Co-P	I; Disability & Addiction	Rehabilitation					
GS00014	Cultural and Linguistic Awareness Support Services in Counseling (UNT-CLASSIC)	Instruction	Texas Higher Education Coordinating Board	State	PI	\$4,431	50%	\$2,215
	Totals	for Wilson, Angie Denise	e					\$4,430
	Totals	for Counseling & Highe	er Education					\$15,026
Education	onal Psychology							
Boesch,	Miriam Chacon							
Boesch, M	A., Co-PI; Mehta, S., PI; Combes, B., Co-PI; Education	al Psychology; Callahan,	K., Co-PI; Autism Center					
GF0614	Project STArT: Systematic Training of Autism Teachers	Instruction	U.S. Department of Education	Fede	ral Co-PI	\$5,494	13.33%	\$732
	Totals	for Boesch, Miriam Cha	con					\$732
Combes	Bertina H							
Combes, I	B., PI; Mehta, S., Co-PI; Educational Psychology							
GF0609	Project TELL: Training Effective Leaders for High-Needs Schools Through Local Partnerships	Instruction	U.S. Department of Education	Fede	ral PI	-\$2,726	67%	(\$1,827)
Combes, I	B., Co-PI; Mehta, S., PI; Boesch, M., Co-PI; Education	al Psychology; Callahan,	K., Co-PI; Autism Center					
GF0614	Project STArT: Systematic Training of Autism Teachers	Instruction	U.S. Department of Education	Fede	ral Co-PI	\$5,494	13.34%	\$733
	Totals	for Combes,Bertina H						(\$1,094)
Frosch,	Cynthia Ann							
GP30009	The WECS: Validating a New Measure of Emotional Conne in Father-Infant Dyads and Home Visiting Contexts	ction Research	Columbia University	Priva	ite PI	\$6,422	100%	\$6,422
	Totals	for Frosch, Cynthia Ann	l					\$6,422
Hull,Da	rrell							
Hull, D.,	Co-PI; Middlemiss, W., PI; Jacobson, A., Co-PI; Educa	tional Psychology						
GF40065	Texas HIPPYCorps	Public Service	OneStar National Service Commission	n Fede	ral Co-PI	\$6,214	0%	\$0
Hull, D.,	Co-PI; Middlemiss, W., PI; Educational Psychology							
GF40098	Texas HIPPYCorps	Public Service	OneStar National Service Commission	n Fede	ral Co-PI	\$10,387	20%	\$2,077
	Totals	for Hull,Darrell						\$2,077
Jacobso	n,Arminta Lee							
Jacobson,	A., Co-PI; Middlemiss, W., PI; Hull, D., Co-PI; Educa	tional Psychology						
GF40065	Texas HIPPYCorps	Public Service	OneStar National Service Commission	n Fede	ral Co-PI	\$6,214	50%	\$3,107
	Totals	for Jacobson, Arminta L	æe					\$3,107
Mehta,S	mita							

Project ID	Title		Category	Sponsor	0	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Mehta, S.	, Co-PI; Combes, B., PI; Educational Psychology								
GF0609	Project TELL: Training Effective Leaders for High-Nee Schools Through Local Partnerships	eds	Instruction	U.S. Department of Education	Feder	al Co-PI	-\$2,726	33%	(\$900)
Mehta, S.	, PI; Boesch, M., Co-PI; Combes, B., Co-PI; Educa	tional Ps	ychology; Callahan,	K., Co-PI; Autism Center					
GF0614	Project STArT: Systematic Training of Autism Teachers	S	Instruction	U.S. Department of Education	Feder	al PI	\$5,494	60%	\$3,296
	Т	otals for	Mehta,Smita						\$2,397
Middlen	niss,Wendy								
Middlemi	iss, W., PI; Hull, D., Co-PI; Jacobson, A., Co-PI; Ed	ducationa	al Psychology						
GF40065	Texas HIPPYCorps		Public Service	OneStar National Service Commission	Feder	al PI	\$6,214	50%	\$3,107
Middlemi	iss, W., PI; Hull, D., Co-PI; Educational Psycholog	y							
GF40098	Texas HIPPYCorps		Public Service	OneStar National Service Commission	Feder	al PI	\$10,387	80%	\$8,309
	Т	otals for	Middlemiss,Wendy						\$11,417
	T	otals for	Educational Psycholo	ogy					\$25,058
Kinesiol	ogy, Health Promotion, & Recreation								
	n,Erin Marie kellogg E., Co-PI; Mcfarlin, B., PI; Olson, R., Co-PI; Ving	ren, J., C	Co-PI; Kinesiology, H	ealth Promotion, & Recreation; Mcf	farlin, B., PI	; Vingren	, J., Co-PI; Bio	ological Sciences	s
GP00026	Does 90-days of Megasporebiotic supplementation reduprandial responses to a high-fat meal?	ice on post	- Research	Physicians Exclusive, LLC	Privat	e Co-PI	\$139	10%	\$14
	Т	otals for	Bowman,Erin Marie	kellogg					\$14
Collins .	Jr,John R								
Collins Jr	r, J., PI; Martin, S., Co-PI; Kinesiology, Health Pro	motion, c	& Recreation						
GP20021	Girls in the Game - Teen Squad		Instruction	Girls in the Game	Privat	e PI	\$940	90%	\$846
	Т	otals for	Collins Jr,John R						\$846
Hull,Da	rrell								
Hull, D.,	Co-PI; Middlemiss, W., PI; Jacobson, A., Co-PI; K	inesiolog	y, Health Promotion,	& Recreation					
GF40059	HIPPY THV Technical Assistance		Public Service	Texas Department of Family & Protect Services	ive Feder	al Co-PI	\$261	0%	\$0
	Т	otals for	Hull,Darrell						\$0
Jacobso	n,Arminta Lee								
Jacobson	, A., Co-PI; Middlemiss, W., PI; Hull, D., Co-PI; K	inesiolog	y, Health Promotion,	& Recreation					
GF40059	HIPPY THV Technical Assistance		Public Service	Texas Department of Family & Protect Services	ive Feder	al Co-PI	\$261	50%	\$131
	Т	otals for	Jacobson,Arminta Le	ee					\$131
Keller,M	Aarian Jean								

Public Service Pub	Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Part	GA00002	North Texas Pathway Project	Public Service	•	State	PI	\$959	100%	\$959
Martin, S. Co-Pl: Collins Jr. J., Pl: Kinesiology, Health Promotion. & Fectuarian (Promotion) Totals for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for motion for motion for motion for motion for form for motion for	GS00002	Minority Health Research and Education	Research	-	State	PI	\$3,857	100%	\$3,857
Marrin, S., Co-Pl; Collins Jr, J., Pl; Kinesiology, Health Promotion, & Leveration Institute		Totals for	Keller,Marian Jean						\$4,815
GP2012 In Sir In the Game - Teen Squadh Instruction Glist in the Game of Parish (Schilber) C - Pt (Schilber) 5940 (19%) 3940 (19%) <	Martin,	Scott B							
Media Historia Keith Aco-Pit. Kinestology, Health Promotion, & Recreation; Land, P.P.; McGarlin, B., Co-Pit. Biological Sciences G600000 Research angiotensin System in Air Pollution-Mediated a Research (McGarlin, B., PI; McGarlin, B., PI; McGarlin, B., PI; Kinestology, Health Promotion, & Recreation; McGarlin, B., PI; Silological Sciences Federal Co-Pi Sp.10 \$9,10 \$1,80	Martin, S.	., Co-PI; Collins Jr, J., PI; Kinesiology, Health Promotion, &	& Recreation						
Metarlin: Reith Mcfarlin: B. Co-PI: Kinesiology, Health Promotion, & Recreation; Lunding and Expension In Air Pollution Mediated (Promotion) (Recreation; Mcfarlin: B., PI; Miclari In Substantian of Obesity) Research (Promotion In Substantian In Air Pollution Mediated (Promotion) (Recreation; Mcfarlin: B., PI; Biological Sciences) Federal (Private (Privat	GP20021	Girls in the Game - Teen Squad	Instruction	Girls in the Game	Priva	te Co-PI	\$940	10%	\$94
Research		Totals for	Martin,Scott B						\$94
Secretary Secr	Mcfarli	n,Brian Keith							
### McJarlin, B., PI; Kinesiology, Health Promotion, & Recreation; McJarlin, B., PI; Biological Sciences #### Group of the Effect of 30 Days of Megasporebiotic Supplementation on post-pandial Responses to a High-flat Meal on post-pandial Responses to a High-flat Meal on post-pandial Responses to a High-flat meal? #### McJarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; McJarlin, B., PI; Vingren, J., Co-PI; Biological Sciences #### McJarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; McJarlin, B., PI; Vingren, J., Co-PI; Biological Sciences #### McJarlin, Brin Keit** #### McJarlin, B	Mcfarlin,	B., Co-PI; Kinesiology, Health Promotion, & Recreation; Lu	und, A., PI; Mcfarlin	a, B., Co-PI; Biological Sciences					
Proposed	GF00008		Research	National Institutes of Health	Feder	ral Co-PI	\$9,176	18%	\$1,652
McJarlin, B., Pl; Bowman, E., Co-Pl; Olson, R., Co-Pl; Vingren, J., Co-Pl; Kinesiology, Health Promotion, & Recreation; McJarlin, B., Pl; Vingren, J., Co-Pl; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-pandial responses to a high-fat meal? Totals for produced by the promotion of	Mcfarlin,	B., PI; Kinesiology, Health Promotion, & Recreation; Mcfan	rlin, B., PI; Biologic	al Sciences					
Research Physicians Exclusive, LLC Private PI \$1.9 \$1.9 \$1.9 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5	GP00002		Research	Physicians Exclusive, LLC	Priva	te PI	\$74	90%	\$66
Research Physicians Exclusive, LLC Private PI \$1.9 \$1.9 \$1.9 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5	Mcfarlin,	B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Vingren, J., C	o-PI; Kinesiology, I	Health Promotion, & Recreation; Mcj	farlin, B., Pl	; Vingrer	n, J., Co-PI; Bio	ological Sciences	S
Middlemiss, Wendy Middlemiss, Wendy Middlemiss, Wendy Midplemiss, W	-	Does 90-days of Megasporebiotic supplementation reduce on post		_		_		_	
Middlemist W., Pl; Hull, D., Co-Pl; Jacobson, A., Co-Pl; Kinesiology. Health Promotion, & Recreation GF40059 HIPPY THV Technical Assistance Public Service Totals for Totals fo		Totals for	Mcfarlin,Brian Keit	h					\$1,799
Federal Fede	Middlen	niss,Wendy							
Services Totals for Midlemiss, Wendy Olson, R. Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences Physicians Exclusive, LLC Private Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences ***********************************	Middlemi	ss, W., PI; Hull, D., Co-PI; Jacobson, A., Co-PI; Kinesiolog	y, Health Promotion	, & Recreation					
Olson,Ryan Lee Olson, R., Co-Pl; Mcfarlin, B., Pl; Bowman, E., Co-Pl; Vingren, J., Co-Pl; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., Pl; Vingren, J., Co-Pl; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Totals for Olson,Ryan Lee Vingren, J., Co-Pl; Mcfarlin, B., Pl; Bowman, E., Co-Pl; Olson, R., Co-Pl; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., Pl; Vingren, J., Co-Pl; Biological Sciences Floor Olson, R., Co-Pl; Mcfarlin, B., Pl; Bowman, E., Co-Pl; Olson, R., Co-Pl; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., Pl; Vingren, J., Co-Pl; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-Pl; S139 13.5% \$19	GF40059	HIPPY THV Technical Assistance	Public Service		tive Feder	ral PI	\$261	50%	\$131
Olson, R., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Totals for Olson, Ryan Lee Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19 prandial responses to a high-fat meal?		Totals for	Middlemiss,Wendy						\$131
GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-principle of the pranctial responses to a high-fat meal? Totals for Olson, Ryan Lee Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19 prandial responses to a high-fat meal?	Olson,R	yan Lee							
Prandial responses to a high-fat meal? Totals for Olson, Ryan Lee Vingren, Jakob Langberg Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post- Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19 prandial responses to a high-fat meal?	Olson, R.,	, Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Vingren, J., C	o-PI; Kinesiology, I	Health Promotion, & Recreation; Mcj	farlin, B., Pl	; Vingrer	n, J., Co-PI; Bio	ological Science:	S
Vingren, Jakob Langberg Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19	GP00026		- Research	Physicians Exclusive, LLC	Priva	te Co-PI	\$139	10%	\$14
Vingren, J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., Co-PI; Kinesiology, Health Promotion, & Recreation; Mcfarlin, B., PI; Vingren, J., Co-PI; Biological Sciences GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19		Totals for	Olson,Ryan Lee						\$14
GP00026 Does 90-days of Megasporebiotic supplementation reduce on post-prandial responses to a high-fat meal? Research Physicians Exclusive, LLC Private Co-PI \$139 13.5% \$19	Vingren	"Jakob Langberg							
prandial responses to a high-fat meal?	Vingren, .	J., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Olson, R., C	o-PI; Kinesiology, I	Health Promotion, & Recreation; Mcj	farlin, B., Pl	; Vingrer	n, J., Co-PI; Bio	ological Science:	S
Totals for Vingren, Jakob Langberg \$19	GP00026	• • • • • • • • • • • • • • • • • • • •	- Research	Physicians Exclusive, LLC	Priva	te Co-PI	\$139	13.5%	\$19
		Totals for	Vingren,Jakob Lang	gberg					\$19

ID	Title	Category	Sponsor	Source	Co-PI	This Period	%	Amount
	Totals for	Kinesiology, Healt	h Promotion, & Recreation					\$7,862
Teacher	Education & Administration							
Boyd,Ro	ossana R							
Boyd, R.,	Co-PI; Teacher Education & Administration; Dixon, R., Pi	; Azad, R., Co-PI; C	Chen, F., Co-PI; Biological Science	s; Azad, R., Co-F	I; Math	nematics; D'Souza,	N., Co-PI; Me	echa
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Federal	Co-PI	\$13,408	10%	\$1,341
Boyd, R.,	PI; Gonzalez-Carriedo, R., Co-PI; Teacher Education & A	dministration						
GF20003	Success in Language and Literacy Instruction	Instruction	U.S. Department of Education	Federal	PI	\$28,224	50%	\$14,112
	Totals for	Boyd,Rossana R						\$15,453
Gonzale	z-Carriedo,Ricardo							
Gonzalez	-Carriedo, R., Co-PI; Boyd, R., PI; Teacher Education & A	dministration						
GF20003	Success in Language and Literacy Instruction	Instruction	U.S. Department of Education	Federal	Co-PI	\$28,224	50%	\$14,112
	Totals for	Gonzalez-Carriedo	o,Ricardo					\$14,112
Wickstr	rom,Carol D							
GF40007	2016-2017 SEED Invitational Leadership Institute to Invest in Developing New Teacher Leaders	Instruction	National Writing Project	Federal	PI	-\$83	100%	(\$83)
	Totals for	Wickstrom,Carol	D					(\$83)
	Totals for	Teacher Education	a & Administration					\$29,482
	Totals for	College of Educati	on					\$95,044
College	of Engineering							
Biomedi	ical Engineering							
Yang,Yo	ong							
GF00009	Biomimetic Alveolar Interstitium Model for Investigation of Nanomaterials-induced Fibrogenesis	Research	National Institutes of Health	Federal	PI	\$6,878	100%	\$6,878
GF30045	UNS: Nanotopographical Memory Modulates Stem Cell Fate	Research	National Science Foundation	Federal	PI	\$7,341	100%	\$7,341
	Totals for	Yang,Yong						\$14,219
Zhu,Doi	nghui							
Zhu, D., I	PI; Biomedical Engineering; Young, M., Co-PI; Materials S	cience & Engineeri	ng					
GF00010	Novel Surface-Modified Bioresorbable Zinc-Based Stent Materials	Research	National Institutes of Health	Federal	PI	\$41,098	90%	\$36,988
	Totals for	Zhu,Donghui						\$36,988
	Totals for	Biomedical Engine	eering					\$51,207
Compute	er Science & Engineering							

Expended Recognition Recognition

Expenditures, November FY2019: Page 6 of 44

Funding PI/

Project

Office of Grants and Contracts Administration, University of North Texas

Project ID	Title	Category	Sponsor	Funding PI / Source Co-PI	Expended 1 This Period	Recognition %	Recognition Amount
Akl,Rob	ert						
Akl, R., C	o-PI; Kavi, K., PI; Computer Science & Engineering						
GF1679	I/UCRC: NSF Net-Centric and Cloud Software and Systems	Research	National Science Foundation	Federal Co-PI	\$17,733	20%	\$3,547
Akl, R., C	o-PI; Kavi, K., PI; Computer Science & Engineering						
GP6447	Membership Fees: IUCRC Net Centric Software and Systems	Research	Generic Pooled Sponsor	Private Co-PI	\$1,525	20%	\$305
	Totals for	Akl,Robert					\$3,852
Blanco	Villar,Eduardo						
GF30021	Towards Inter-Sentential Models for Detecting Focus of Negation	Research	National Science Foundation	Federal PI	\$3,040	100%	\$3,040
Blanco V	illar, E., Co-PI; Takabi, H., PI; Computer Science & Engine	ering					
GF30050	Building Cybersecurity Analytics Capacity in Big Data Era: Developing Hands-on Labs for Integrating Data Science into Cybersecurity Curriculum	Instruction	National Science Foundation	Federal Co-PI	\$5,295	30%	\$1,589
GP00035	Short Text Classification in the Financial Domain	Research	Harvest Exchange Corp.	Private PI	\$2,542	100%	\$2,542
	Totals for	Blanco Villar,Edua	ardo				\$7,171
Dantu,R	Ramanamurthy						
Dantu, R.	, PI; Computer Science & Engineering; Hawamdeh, S., Co-I	PI; Information Sci	ence; Kim, D., Co-PI; Information	Technology & Decision S	Science		
GF1634	SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance	Instruction	National Science Foundation	Federal PI	\$2,293	50%	\$1,146
GF30012	EAGER: Transformative Emergency Dispatch Protocols for a	Research	National Science Foundation	Federal PI	\$6,501	100%	\$6,501
	Sixty Second Response						
- ·	Totals for	Dantu,Ramanamu	rthy				\$7,647
Do,Hyu	nsook						
GF1746	CAREER: Context-Aware Regression Testing Techniques and Empirical Evaluations of Their Economic Impact	Research	National Science Foundation	Federal PI	\$6,829	100%	\$6,829
	Totals for	Do,Hyunsook					\$6,829
Fu,Song	1						
GF30011	CSR: Medium: Collaborative Research: Wizard: Exploiting Disk Performance Signatures For Cost Effective Management of Large Scale Storage Systems	Research	National Science Foundation	Federal PI	\$10,789	100%	\$10,789

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
GF40079	Exploring Declustered RAID and Proactive Data Protection to Develop Always-On HPC Storage Systems	Research	Los Alamos National Laboratory	Fede	al PI	\$2,599	100%	\$2,599
GF40088	Characterizing Flash Storage Failures (SSD, NVMeor Trinity Burst-buffer node/BBN)	Research	Los Alamos National Laboratory	Fede	al PI	\$2,542	100%	\$2,542
	Totals for	Fu,Song						\$15,930
Huang,Y	an							
Huang, Y.,	, PI; Yang, Q., Co-PI; Computer Science & Engineering; Z	hong, X., Co-PI; Elect	rical Engineering					
GF40092	Advancing Warfighter Technologies In The Area of Expeditionary Cyber: ACRN002, Trust through Machine Learning in Expeditionary Cyber Systems	Research	George J. Kostas Research Institute f Homeland Security at Northeastern University, LLC.	for Feder	al PI	\$12,490	50%	\$6,245
	Totals for	Huang,Yan						\$6,245
Jin,Wei								
GF30025	CAREER: Creation, Visualization, and Mining of Domain Textual Graphs: Integrating Domain Knowledge and Human Intelligence	Research	National Science Foundation	Fede	al PI	\$10,727	100%	\$10,727
	Totals for	Jin,Wei						\$10,727
Kavi,Kri	ishna M							
Kavi, K., I	PI; Akl, R., Co-PI; Computer Science & Engineering							
GF1679	I/UCRC: NSF Net-Centric and Cloud Software and Systems	Research	National Science Foundation	Fede	al PI	\$17,733	80%	\$14,187
Kavi, K., I	PI; Akl, R., Co-PI; Computer Science & Engineering							
GP6447	Membership Fees: IUCRC Net Centric Software and Systems	Research	Generic Pooled Sponsor	Priva	te PI	\$1,525	80%	\$1,220
	Totals for	Kavi,Krishna M						\$15,406
Keathly,	David Mark							
GF40067	National Convergence Technology Center	Research	Collin College	Fede	al PI	\$1,012	100%	\$1,012
	Totals for	Keathly,David Mark						\$1,012
Ludi,Ste	phanie Ann							
Ludi, S., C	Co-PI; Computer Science & Engineering; Boettger, R., PI; T	Technical Communica	tion; Hoeinghaus, D., Co-PI; Biol	ogical Science	?S			
GF30034	Collaborative Research: Evaluating a Data-Driven Approach to Teaching Technical Writing to STEM Majors	Research	National Science Foundation	Fede	al Co-PI	\$3,768	22%	\$829
	Totals for	Ludi,Stephanie Ann						\$829
Mikler,A	Armin R							

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Mikler, A.	, PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Engin	neering; O'Neill II,	M., Co-PI; Institute for Applied Sc	ciences; Tiwari	i, C., Co-l	PI; Geography		
GF00007	Minimizing Access Disparities in Bio-Emergency Response Planning	Research	National Institutes of Health	Feder	ral PI	\$7,903	25%	\$1,976
Mikler, A.	, Co-PI; Computer Science & Engineering; O'Neill II, M., PI,	; Institute for Appli	ed Sciences					
GF40069	Los Angeles County Department of Public Health Emergency Preparedness and Response Program	Public Service	Los Angeles County	Fede	ral Co-PI	\$4,903	50%	\$2,452
Mikler, A.	, PI; Computer Science & Engineering; O'Neill II, M., Co-PI,	: Institute for Appli	ed Sciences					
GF40080	Development and Deployment of Computational Methods to Facilitate Response Planning for POD Placement and Distribution of Medical Counter Measures From Regional RSS Sites to PODs in Texas DSHS Region 6/5S	Research	Texas Department of State Health So	ervice Feder	ral PI	\$1,847	50%	\$924
	Totals for	Mikler,Armin R						\$5,351
Ramiset	ty-Mikler,Suhasini							
Ramisetty	-Mikler, S., Co-PI; Mikler, A., PI; Computer Science & Engin	neering; O'Neill II,	M., Co-PI; Institute for Applied Sc	ciences; Tiwari	i, C., Co-l	PI; Geography		
GF00007	Minimizing Access Disparities in Bio-Emergency Response Planning	Research	National Institutes of Health	Fede	ral Co-PI	\$7,903	25%	\$1,976
	Totals for	Ramisetty-Mikler,St	uhasini					\$1,976
Takabi,l	Hassan							
GF30047	NSF Student Travel Grant for 2018 ACM Conference on Computer and Communications Security (ACM CCS)	Public Service	National Science Foundation	Fede	ral PI	\$13,532	100%	\$13,532
Takabi, H	., PI; Blanco Villar, E., Co-PI; Computer Science & Engineer	ring						
GF30050	Building Cybersecurity Analytics Capacity in Big Data Era: Developing Hands-on Labs for Integrating Data Science into Cybersecurity Curriculum	Instruction	National Science Foundation	Feder	ral PI	\$5,295	70%	\$3,707
GF30053	SaTC: CORE: Small: An Attribute-based Insider Threat Mitigation Framework	Research	National Science Foundation	Fede	ral PI	\$9,373	100%	\$9,373
GF70022	ACM CCS 2017-2018 Student Travel Support	Public Service	Army Research Office	Fede	ral PI	\$9,567	100%	\$9,567
GF70038	UNT GenCyber Summer Program: Inspiring the Next Generation of Cyber Stars in North Texas	Instruction	National Security Agency	Fede	ral PI	-\$566	100%	(\$566)
	Totals for	Takabi,Hassan						\$35,612
Yang,Qi	ing							
GF30041	NeTS: EAGER: Intelligent Information Dissemination in Vehicular Networks based on Social Computing	Research	National Science Foundation	Fede	ral PI	\$6,154	100%	\$6,154
Office o	of Grants and Contracts Administration, University of N	orth Texas				Expendi	tures, November F	Y2019: Page 9 of 4

Project ID	Title		Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Yang, Q.,	Co-PI; Huang, Y., PI; Computer Science & Engir	neering; Zl	nong, X., Co-PI; Elec	ctrical Engineering					
GF40092	Advancing Warfighter Technologies In The Area of Expeditionary Cyber: ACRN002, Trust through Mach Learning in Expeditionary Cyber Systems	iine	Research	George J. Kostas Research Institute fo Homeland Security at Northeastern University, LLC.	r Feder	al Co-PI	\$12,490	30%	\$3,747
		Totals for	Yang,Qing						\$9,901
		Totals for	Computer Science &	Engineering					\$128,489
Electrica	l Engineering								
Acevedo	,Miguel F								
GF70021	Pilot evaluation of a sustainable autonomous brackish groundwater desalination system		Research	The Bureau of Reclamation	Feder	al PI	\$2,437	100%	\$2,437
		Totals for	Acevedo, Miguel F						\$2,437
Kaul,An	upama Bhat								
Kaul, A.,	PI; Electrical Engineering; Kaul, A., PI; Materia	ls Science	& Engineering						
GF30039	EAGER: Black Phosphorus For Tunable Wide Bandw Arrays	idth Sensor	Research	National Science Foundation	Feder	al PI	\$10,500	20%	\$2,100
Kaul, A.,	PI; Electrical Engineering; Kaul, A., PI; Materia	ls Science	& Engineering						
GF40066	Electronic and Optical Properties of Two-Dimensiona Nbse2 and Elemental Black Phosphorus	l Tise2 &	Research	The University of Texas at El Paso	Feder	al PI	\$993	20%	\$199
		Totals for	Kaul,Anupama Bha	t					\$2,299
Lin,Yua	nkun								
Lin, Y., P.	I; Electrical Engineering; Lin, Y., PI; Physics								
GF4228	Low Threshold Lasing and Selective Sensing Devices Organic Dyes Stabilized in Nanopores and Polymer P Crystals		Research	University of Texas at San Antonio	Feder	al PI	-\$2,228	25%	(\$557)
		Totals for	Lin,Yuankun						(\$557)
Mehta,G	Sayatri								
GF30002	SHF: Small: Visual Architectures: Engaging Crowds and Discovery for Custom Reconfigurable Devices	in Design	Research	National Science Foundation	Feder	al PI	\$2,048	100%	\$2,048
		Totals for	Mehta,Gayatri						\$2,048
Namudu	ıri,Kameswara Rao								
Namuduri	i, K., PI; Electrical Engineering; Andrew, S., Co-	PI; Public	Administration						
GF30005	EAGER: Networked Aerial Base Stations For Enablin Emergency Communications During Disaster Recover		Research	National Science Foundation	Feder	al PI	\$4,096	50%	\$2,048
GF40100	UTM for Wildland Fire Management		Research	Unmanned Experts Inc.	Feder	al PI	\$6,145	100%	\$6,145
Office	f Country and Country at Administration Hair		Nouth Torres					uras November EV	

Project ID	Title		Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
		Totals for	Namuduri,Kamesv	vara Rao					\$8,192
Zhong,X	Ciangnan								
Zhong, X.	, Co-PI; Electrical Engineering; Huang, Y., PI;	Yang, Q., C	o-PI; Computer Sci	ience & Engineering					
GF40092	Advancing Warfighter Technologies In The Area of Expeditionary Cyber: ACRN002, Trust through Mac Learning in Expeditionary Cyber Systems	hine	Research	George J. Kostas Research Institute Homeland Security at Northeastern University, LLC.		eral Co-PI	\$12,490	20%	\$2,498
		Totals for	Zhong,Xiangnan						\$2,498
		Totals for	Electrical Engineer	ring					\$16,917
Engineer	ring Technology								
Huang,Z	Chenhua								
GF40096	CIF21DIBBS: EI: VIFI: Virtual Information-Fabric I for Data-Driven Decisions from Distributed Data	nfrastructure	Research	Nova Southeastern University	Fede	eral PI	-\$8,412	2 100%	(\$8,412)
		Totals for	Huang,Zhenhua						(\$8,412)
Nasraza	dani,Seifollah								
Nasrazado	ani, S., PI; Yu, C., Co-PI; Engineering Technolog	gy; Mishra,	R., Co-PI; Mukher	jee, S., Co-PI; Voevodin, A., Co-PI,	; Materials Sc	ience & E	Engineering; Zh	ang, H., Co-PI;	Mech
GF40045	Engineered Materials and Materials Design of Engine Materials (EMMDEM): Tactical Shelters	eered	Research	Northeastern University	Fede	eral PI	-\$1,476	5 14.29%	(\$211)
Nasrazada	ani, S., Co-PI; Yu, C., Co-PI; Engineering Techn	ology; Muk	kherjee, S., PI; Dah	otre, N., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience &	Engineering; Z	hang, H., Co-PI,	Мес
GF40070	Engineered Materials and Materials Design of Engine Materials (EMMDEM); Tactical Shelters; NU Year 2		Research	Northeastern University	Fede	eral Co-PI	\$3,959	15%	\$594
Nasrazado	ani, S., PI; Yu, C., Co-PI; Engineering Technolog	gy; Dahotre	e, N., Co-PI; Mukhe	erjee, S., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience &	Engineering; Z	hang, H., Co-PI,	Mec
GF40071	Engineered Materials and Materials Design of Engine Materials (EMMDEM); Tactical Shelters; NU Year 2	eered	Research	Northeastern University		eral PI	\$2,853	_	\$428
Nasrazado	ani, S., PI; Yu, C., Co-PI; Engineering Technolog	gy; Dahotre	e, N., Co-PI; Mukhe	erjee, S., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience &	Engineering; Z	hang, H., Co-PI,	Mec
GF40072	Engineered Materials and Materials Design of Engine Materials (EMMDEM); Tactical Shelters; NU Year 2		Research	Northeastern University	Fede	eral PI	\$4,119	15%	\$618
		Totals for	Nasrazadani,Seifol	lah					\$1,429
Nowicki	David Richard								
Nowicki, I	D., PI; Engineering Technology; Nowicki, D., PI	; Bomba, M	I., Co-PI; Marketin	g & Logistics; Carroll, M., Co-PI; I	Economics				
GF40031	SUPPORT OF IMPLEMENTING THE FIXING AM SURFACE TRANSPORTATION ACT AND THE E TRADE ADVISORY COMMITTEE		Research	Texas Department of Transportation	n Fede	eral PI	\$36,000	10%	\$3,600
		Totals for	Nowicki,David Ric	hard					\$3,600
Yu,Cher	ng								
Yu, C., Co	o-PI; Nasrazadani, S., PI; Engineering Technolog	gy; Mishra,	R., Co-PI; Mukher	ijee, S., Co-PI; Voevodin, A., Co-PI,	; Materials Sc	ience & E	Engineering; Zh	ang, H., Co-PI;	Mech
GF40045	Engineered Materials and Materials Design of Engine Materials (EMMDEM): Tactical Shelters	eered	Research	Northeastern University	Fede	eral Co-PI	-\$1,476	14.29%	(\$211)

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Yu, C., Co	o-PI; Nasrazadani, S., Co-PI; Engineering Technology; Muki	herjee, S., PI; Daho	otre, N., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience & .	Engineering; Zh	ang, H., Co-PI;	Мес
GF40070	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Fede	ral Co-PI	\$3,959	15%	\$594
Yu, C., Co	o-PI; Nasrazadani, S., PI; Engineering Technology; Dahotre	N., Co-PI; Mukhe	rjee, S., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience & l	Engineering; Zh	ang, H., Co-PI;	Мес
GF40071	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Fede	ral Co-PI	\$2,853	15%	\$428
Yu, C., C	o-PI; Nasrazadani, S., PI; Engineering Technology; Dahotre,	N., Co-PI; Mukhe	rjee, S., Co-PI; Voevodin, A., Co-P	PI; Materials S	cience & l	Engineering; Zh	ang, H., Co-PI;	Мес
GF40072	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Fede	ral Co-PI	\$4,119	15%	\$618
	Totals for	Yu,Cheng						\$1,429
	Totals for	Engineering Techn	ology					(\$1,955)
Material	ls Science & Engineering							
Aouadi,	Samir M							
-	S., PI; Young, M., Co-PI; Materials Science & Engineering; A	ouadi, S., PI; Phys	ics					
GF1708	REU Site: Advanced Processing and Materials Characterization	Research	National Science Foundation	Fede	ral PI	-\$502	40%	(\$201)
	Totals for	Aouadi,Samir M						(\$201)
Banerje	e,Rajarshi							
Banerjee,	, R., Co-PI; Mishra, R., PI; Mukherjee, S., Co-PI; Reidy III, F	R., Co-PI; Scharf, T	C., Co-PI; Xia, Z., Co-PI; Young, M	., Co-PI; Mate	rials Scie	nce & Engineer	ing; Xia, Z., Co-	·PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Fede	ral Co-PI	-\$8,829	10%	(\$883)
Banerjee,	, R., Co-PI; Scharf, T., PI; Materials Science & Engineering							
GF70028	Fundamental Mechanistic Investigations of Novel Additively Manufactured Hybrid Materials	Research	Air Force Office of Scientific Resea	arch Fede	ral Co-PI	\$3,274	50%	\$1,637
GF70030	Investigation of Fundamental Mechanisms for Multi-Scale Modeling of Complex Concentrated Alloys for Aircraft Structural Applications	Research	Air Force Office of Scientific Resea	arch Fede	ral PI	\$20,727	100%	\$20,727
Banerjee,	, R., Co-PI; Mishra, R., PI; Dahotre, N., Co-PI; Du, J., Co-PI	I; Mukherjee, S., C	o-PI; Reidy III, R., Co-PI; Scharf, T	T., Co-PI; Sriv	illiputhur	, S., Co-PI; Xia,	Z., Co-PI; Your	ıg,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Fede	ral Co-PI	\$100,600	12%	\$12,072
	•	Banerjee,Rajarshi						\$33,553
Choi,Ta	ne-Youl	-						
•	Co-PI; Materials Science & Engineering; Neogi, A., PI; Kroi	khin, A., Co-PI; Ph	ysics					
GF30038	GOALI: EFRI NewLaw: Non-Reciprocal Effects and Anderson Localization of Acoustic and Elastic Waves in Periodic Structures with Broken PSymmetry of the Unit Cell	Research	National Science Foundation	Fede	ral Co-PI	\$11,848	20%	\$2,370
Office	of Grants and Contracts Administration University of N	Lorth Towns				Fynenditu	res November FY	2019: Page 12 of 4

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
	Totals for	Choi,Tae-Youl						\$2,370
Choi,Wo	onbong							
Choi, W.,	PI; Materials Science & Engineering; Choi, W., PI; Mechan	nical & Energy Eng	gineering					
GF70039	Integrated Flexible Energy System based on Two-Dimensional (2D) Materials	Research	Asian Office of Aerospace Research Development	and Feder	al PI	\$9,326	80%	\$7,461
	Totals for	Choi, Wonbong						\$7,461
Dahotre	,Narendra B							
Dahotre, l	N., Co-PI; Mukherjee, S., PI; Voevodin, A., Co-PI; Materials	s Science & Engine	eering; Nasrazadani, S., Co-PI; Yu, C	C., Co-PI; Eng	gineering	Technology; Zh	ang, H., Co-PI;	Mec
GF40070	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$3,959	25%	\$990
Dahotre,	N., Co-PI; Mukherjee, S., Co-PI; Voevodin, A., Co-PI; Mate	rials Science & En	gineering; Nasrazadani, S., PI; Yu, C	C., Co-PI; Eng	gineering	Technology; Zh	ang, H., Co-PI;	· Mec
GF40071	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$2,853	25%	\$713
Dahotre, 1	N., Co-PI; Mukherjee, S., Co-PI; Voevodin, A., Co-PI; Mate	rials Science & En	gineering; Nasrazadani, S., PI; Yu, C	C., Co-PI; Eng	gineering	Technology; Zh	ang, H., Co-PI;	Мес
GF40072	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$4,119	25%	\$1,030
Dahotre, l	N., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Du, J., Co-P.	I; Mukherjee, S., C	Co-PI; Reidy III, R., Co-PI; Scharf, T.	, Co-PI; Srivi	lliputhur	; S., Co-PI; Xia,	Z., Co-PI; You	ng,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	al Co-PI	\$100,600	9%	\$9,054
GP50002	Laser Shaping of Biological Hard Tissue and Bone: Fundamentals and Engineering	Research	Australian Institute of Robotic Orthopaedics (AIRO)	Priva	te PI	\$2,000	100%	\$2,000
	Totals for	Dahotre,Narendra	В					\$13,787
D'souza,	Francis							
D'souza, I	F., PI; Materials Science & Engineering; D'souza, F., PI; Ch	nemistry						
GF1692	Light Harvesting Nanocarbon-Sensitizer Supramolecules	Research	National Science Foundation	Feder	al PI	\$482	20%	\$96
D'souza, l	F., Co-PI; Materials Science & Engineering; Wang, H., PI; 1	D'souza, F., Co-PI,	; Chemistry					
GF70013	Extended Porphyrins: Functionalization and Applications in DSSC		U.S. Department of Energy	Feder	al Co-PI	\$7,689	8%	\$615
	Totals for	D'souza,Francis						\$712
D'Souza	,Nandika Anne							
D'Souza, I	N., Co-PI; Materials Science & Engineering; Dixon, R., PI;	Azad, R., Co-PI; C	Chen, F., Co-PI; Biological Sciences;	Azad, R., Co-	PI; Math	nematics; Boyd,	R., Co-PI; Teac	her E
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Feder	al Co-PI	\$13,408	2%	\$268
D'Souza, I	N., PI; Materials Science & Engineering; D'Souza, N., PI; M	lechanical & Energ	gy Engineering					
GF30027	Collaborative Research: Engineering Fully Biobased Foams for the Building Industry	Research	National Science Foundation	Feder	al PI	\$1,000	20%	\$200
	Totals for	D'Souza,Nandika	Anne					\$468

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Du,Jinch	neng							
GF40041	Understanding Fundamental Science Governing the Development and Performance of Nuclear Waste Glasses	Research	Rutgers University - New Brunswick	Feder	al PI	\$13,904	100%	\$13,904
GF40047	Center for Performance and Design of Nuclear Waste Forms and Containers (WastePD)	Research	The Ohio State University	Feder	al PI	\$9,584	100%	\$9,584
Du, J., Co	p-PI; Materials Science & Engineering; Omary, M., PI; Slaug	ghter III, L., Co-F	PI; Chemistry					
GF40101	Ithildin: Metal-Inorganic Frameworks (MIFs) for Remediation and Sensing of TICs, CWAs and Explosives	Research	Leidos	Feder	al Co-PI	\$17,711	20%	\$3,542
Du, J., Co	o-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre, N., Co-PI	I; Mukherjee, S.,	Co-PI; Reidy III, R., Co-PI; Scharf, T.,	Co-PI; Srivi	lliputhur	, S., Co-PI; Xia,	Z., Co-PI; Your	ıg,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	al Co-PI	\$100,600	8%	\$8,048
GP50005	AGC-UNT collaborative research project on simulations of multicomponent oxide glasses and glass/water reactions	Research	Asahi Glass Co., Ltd. (AGC)	Privat	e PI	\$7,757	100%	\$7,757
	Totals for	Du,Jincheng						\$42,835
Kaul,An	upama Bhat							
Kaul, A., I	PI; Materials Science & Engineering; Kaul, A., PI; Electrica	l Engineering						
GF30039	EAGER: Black Phosphorus For Tunable Wide Bandwidth Sensor Arrays	Research	National Science Foundation	Feder	al PI	\$10,500	80%	\$8,400
Kaul, A., I	PI; Materials Science & Engineering; Kaul, A., PI; Electrica	l Engineering						
GF40066	Electronic and Optical Properties of Two-Dimensional Tise2 & Nbse2 and Elemental Black Phosphorus	Research	The University of Texas at El Paso	Feder	al PI	\$993	80%	\$795
	Totals for	Kaul,Anupama B	Bhat					\$9,195
Mishra,l	Rajiv Sharan							
GF1688	Multiscale Fundamental Investigation of Micro Mechanisms of Cyclic Deformation and Fatigue in an Ultrafine Grained Aluminum Alloy	Research	National Science Foundation	Feder	al PI	\$5,772	100%	\$5,772
Mishra, R	., PI; Banerjee, R., Co-PI; Mukherjee, S., Co-PI; Reidy III, F	R., Co-PI; Scharf,	T., Co-PI; Xia, Z., Co-PI; Young, M.,	Co-PI; Mater	ials Scie	ence & Engineeri	ing; Xia, Z., Co-	·PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Feder	al PI	-\$8,829	40%	(\$3,531)
Mishra, R	., Co-PI; Mukherjee, S., Co-PI; Voevodin, A., Co-PI; Materi	als Science & En	gineering; Nasrazadani, S., PI; Yu, C.,	Co-PI; Engir	neering T	Technology; Zha	ng, H., Co-PI; l	Mech
GF40045	Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters	Research	Northeastern University	Feder	al Co-PI	-\$1,476	14.29%	(\$211)

Project ID	Title	Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
GF40056	Design-to-Component, Closed-Loop ICME Development of Additive Manufacturing Alloys for Naval Applications	Research	University of Central Florida	Federa	l PI	\$7,538	100%	\$7,538
Mishra, R	., PI; Materials Science & Engineering; Prasad, V., Co-PI; M	Aechanical & En	ergy Engineering					
GF40083	FSW of Sealed Box Structures (Joining R3-3)	Research	American Lightweight Materials Manufacturing Innovation Institute	Federa	l PI	\$3,121	50%	\$1,561
GF40084	Joining R39	Research	American Lightweight Materials Manufacturing Innovation Institute (ALMMII)	Federa	l PI	\$3,121	100%	\$3,121
GF40091	Enhanced Lower Cost Tooling for Friction Stir Technologies	Research	QuesTek Innovations LLC	Federa	l PI	\$8,576	100%	\$8,576
GF70017	Cooperative Agreement # W911NF-13-2-0018 - Development of Multi-physics Based Hybrid Manufacturing for Unique Microstructure	Research	US Army Research Laboratory	Federa	l PI	\$54,298	100%	\$54,298
GF70024	Acquisition of a multi-physics materials processing equipment to investigate magnetic field effects	Research	Army Research Office	Federa	l PI	-\$110	100%	(\$110)
GF70027	Development of Multi-physics Based Hybrid Manufacturing for Unique Microstructure	Research	US Army Research Laboratory	Federa	l PI	-\$10,709	100%	(\$10,709)
Mishra, R	., PI; Banerjee, R., Co-PI; Dahotre, N., Co-PI; Du, J., Co-PI	; Mukherjee, S.,	Co-PI; Reidy III, R., Co-PI; Scharf, T.	., Co-PI; Srivill	liputhur	, S., Co-PI; Xia,	Z., Co-PI; You	ng,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Federa	l PI	\$100,600	23%	\$23,138
	Totals for	Mishra,Rajiv Sha	aran					\$89,443
Mukher	jee,Sundeep							
Mukherje	e, S., PI; Xia, Z., Co-PI; Materials Science & Engineering; X	ia, Z., Co-PI; Ch	emistry					
GF30008	Nanomanufacturing Of Hierarchical Metallic Glasses As High- Performance Electrocatalysts	Research	National Science Foundation	Federa	l PI	\$6,152	90%	\$5,537
Mukherje	e, S., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Reidy III, K	., Co-PI; Scharf,	T., Co-PI; Xia, Z., Co-PI; Young, M.,	Co-PI; Materi	ials Scie	nce & Engineer	ring; Xia, Z., Co	-PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Federa	l Co-PI	-\$8,829	10%	(\$883)
Mukherje	e, S., Co-PI; Mishra, R., Co-PI; Voevodin, A., Co-PI; Materia	als Science & En	gineering; Nasrazadani, S., PI; Yu, C.	, Co-PI; Engin	eering T	Technology; Zha	ung, H., Co-PI;	Mech
GF40045	Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters	Research	Northeastern University	Federa	l Co-PI	-\$1,476	28.55%	(\$421)
Office	f Grants and Contracts Administration University of N	orth Tayas				Expenditu	res November FY	72019: Page 15 of 44

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Mukherjee	e, S., PI; Dahotre, N., Co-PI; Voevodin, A., Co-PI; Materials S	Science & Engineer	ring; Nasrazadani, S., Co-PI; Yu, C.	, Co-PI; Eng	gineering	Technology; Zh	nang, H., Co-PI;	Мес
GF40070	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al PI	\$3,959	25%	\$990
Mukherjee	e, S., Co-PI; Dahotre, N., Co-PI; Voevodin, A., Co-PI; Materia	als Science & Engi	neering; Nasrazadani, S., PI; Yu, C.	, Co-PI; Eng	gineering	Technology; Zh	nang, H., Co-PI;	Мес
GF40071	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$2,853	25%	\$713
Mukherjee	e, S., Co-PI; Dahotre, N., Co-PI; Voevodin, A., Co-PI; Materia	als Science & Engi	neering; Nasrazadani, S., PI; Yu, C.	, Co-PI; Eng	gineering	Technology; Zh	nang, H., Co-PI;	Мес
GF40072	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$4,119	25%	\$1,030
Mukherjee	e, S., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre, N.,	Co-PI; Du, J., Co-	PI; Reidy III, R., Co-PI; Scharf, T.,	Co-PI; Srive	illiputhur	; S., Co-PI; Xia,	Z., Co-PI; You	ıg,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	al Co-PI	\$100,600	8%	\$8,048
GP00014	Nano-Mechanical Characterization of High Strength Metallic Alloys	Research	Hysitron Incorporated	Priva	te PI	\$6,798	100%	\$6,798
	Totals for N	Aukherjee,Sundeep						\$21,812
Reidy II	I,Richard F							
Reidy III,	R., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S.,	Co-PI; Scharf, T.,	Co-PI; Xia, Z., Co-PI; Young, M.,	Co-PI; Mate	rials Scie	ence & Engineer	ring; Xia, Z., Co-	·PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Feder	al Co-PI	-\$8,829	10%	(\$883)
Reidy III,	R., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre, N., C	Co-PI; Du, J., Co-P	I; Mukherjee, S., Co-PI; Scharf, T.,	Co-PI; Srivi	illiputhur	; S., Co-PI; Xia,	Z., Co-PI; You	ıg,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	al Co-PI	\$100,600	8%	\$8,048
Reidy III,	R., Co-PI; Young, M., PI; Materials Science & Engineering							
GP00006	Characterization of Superconducting Thin Film Materials	Research	Superconductor Technologies Inc.	Priva	te Co-PI	\$2,351	25%	\$588
	Totals for I	Reidy III,Richard F						\$7,753
Scharf,T	Thomas W							
Scharf, T.,	Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S., C	o-PI; Reidy III, R.,	Co-PI; Xia, Z., Co-PI; Young, M.,	Co-PI; Mate	rials Scie	ence & Engineer	ring; Xia, Z., Co	·PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Feder	al Co-PI	-\$8,829	10%	(\$883)
Scharf, T.,	PI; Banerjee, R., Co-PI; Materials Science & Engineering							
GF70028	Fundamental Mechanistic Investigations of Novel Additively Manufactured Hybrid Materials	Research	Air Force Office of Scientific Research	h Feder	al PI	\$3,274	50%	\$1,637

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Scharf, T.	, Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre, N., C	Co-PI; Du, J., Co-PI;	: Mukherjee, S., Co-PI; Reidy III, I	R., Co-PI; Srivi	lliputhur,	S., Co-PI; Xia	, Z., Co-PI; You	ng,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	ral Co-PI	\$100,600	8%	\$8,048
	Totals for	Scharf,Thomas W						\$8,802
Srivillip	uthur,Srinivasan G.							
Srivilliput	thur, S., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre	e, N., Co-PI; Du, J.,	Co-PI; Mukherjee, S., Co-PI; Reid	dy III, R., Co-P	I; Scharf,	T., Co-PI; Xia	, Z., Co-PI; You	ng,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Feder	al Co-PI	\$100,600	8%	\$8,048
	Totals for	Srivilliputhur,Sriniv	vasan G.					\$8,048
Voevodi	n,Andrey Aleksejevich							
Voevodin,	A., Co-PI; Mishra, R., Co-PI; Mukherjee, S., Co-PI; Mater	ials Science & Engir	neering; Nasrazadani, S., PI; Yu, C	C., Co-PI; Engi	neering T	echnology; Zho	ang, H., Co-PI; I	Mech
GF40045	Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters	Research	Northeastern University	Feder	al Co-PI	-\$1,476	14.29%	(\$211)
Voevodin,	A., Co-PI; Mukherjee, S., PI; Dahotre, N., Co-PI; Material	s Science & Enginee	ering; Nasrazadani, S., Co-PI; Yu,	C., Co-PI; Eng	gineering	Technology; Zi	hang, H., Co-PI;	Mec
GF40070	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$3,959	5%	\$198
Voevodin,	A., Co-PI; Dahotre, N., Co-PI; Mukherjee, S., Co-PI; Mate	rials Science & Eng	ineering; Nasrazadani, S., PI; Yu,	C., Co-PI; Eng	gineering	Technology; Zi	hang, H., Co-PI;	Мес
GF40071	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$2,853	5%	\$143
Voevodin,	A., Co-PI; Dahotre, N., Co-PI; Mukherjee, S., Co-PI; Mate	rials Science & Eng	ineering; Nasrazadani, S., PI; Yu,	C., Co-PI; Eng	gineering	Technology; Zi	hang, H., Co-PI;	Мес
GF40072	Engineered Materials and Materials Design of Engineered Materials (EMMDEM); Tactical Shelters; NU Year 2	Research	Northeastern University	Feder	al Co-PI	\$4,119	5%	\$206
	Totals for	Voevodin,Andrey A	leksejevich					\$336
Xia,Zhe	nhai							
Xia, Z., P.	I; Materials Science & Engineering; Xia, Z., PI; Chemistry							
GF1684	Nanomanufacturing of High-Performance Graphene-Based Catalytic Electrodes for Renewable Energy Production	Research	National Science Foundation	Feder	al PI	\$10,922	80%	\$8,738
Xia, Z., C	o-PI; Mukherjee, S., PI; Materials Science & Engineering; 3	Xia, Z., Co-PI; Chen	nistry					
GF30008	Nanomanufacturing Of Hierarchical Metallic Glasses As High- Performance Electrocatalysts	Research	National Science Foundation	Feder	al Co-PI	\$6,152	8%	\$492
Xia, Z., C	o-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S., Co	o-PI; Reidy III, R., C	Co-PI; Scharf, T., Co-PI; Young, M	I., Co-PI; Mate	rials Scie	nce & Engineer	ring; Xia, Z., Co	-PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Activities	Research	Temple University - Of The Commonwealth System of Higher Education	Feder	al Co-PI	-\$8,829	8%	(\$706)

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Xia, Z., C	o-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre, N.,	Co-PI; Du, J., C	Co-PI; Mukherjee, S., Co-PI; Reidy III, R.,	Co-PI; Scharf,	T., Co-P	I; Srivilliputhur	; S., Co-PI; You	ng,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials System Enhanced Dynamic Performance	Resear ns for	ch US Army Research Laboratory	Fede	eral Co-PI	\$100,600	6.4%	\$6,438
	Totals	for Xia,Zhenh	ai					\$14,962
Young,N	Aarcus Lynn							
Young, M.	., Co-PI; Materials Science & Engineering; Zhu, D., PI	; Biomedical En	gineering					
GF00010	Novel Surface-Modified Bioresorbable Zinc-Based Stent Materials	Resear	ch National Institutes of Health	Fede	eral Co-PI	\$41,098	3 10%	\$4,110
Young, M	., Co-PI; Aouadi, S., PI; Materials Science & Engineer	ing; Aouadi, S., I	PI; Physics					
GF1708	REU Site: Advanced Processing and Materials Characterization	tion Resear	ch National Science Foundation	Fede	eral Co-PI	-\$502	50%	(\$251)
Young, M	., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjo	ee, S., Co-PI; Re	idy III, R., Co-PI; Scharf, T., Co-PI; Xia, 2	Z., Co-PI; Mate	erials Scie	ence & Engineer	ring; Xia, Z., Co	-PI;
GF40018	Technical Proposal for Advanced Ballistics Technology Mar Development, Characterization and Computational Modelin Activities		ch Temple University - Of The Commonwealth System of Higher Education	Fede	eral Co-PI	-\$8,829	10%	(\$883)
GF40063	Adaptive Aerostructures for Revolutionary Civil Supersonic Technologies Development	Resear	ch Texas A & M Engineering Experin Station	ment Fede	eral PI	\$22,141	100%	\$22,141
GF70004	Processing Studies on NiTi-based High Temperature Shape Memory Alloys	Resear	ch National Aeronautics & Space Administration	Fede	eral PI	\$2,542	2 100%	\$2,542
Young, M	., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Dahotre,	N., Co-PI; Du,	I., Co-PI; Mukherjee, S., Co-PI; Reidy III,	R., Co-PI; Sch	arf, T., C	o-PI; Srivillipu	thur, S., Co-PI;	Xia,
GF70037	Technical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials System Enhanced Dynamic Performance	Resear ns for	ch US Army Research Laboratory	Fede	eral Co-PI	\$100,600	8%	\$8,048
Young, M	., PI; Reidy III, R., Co-PI; Materials Science & Engine	ering						
GP00006	Characterization of Superconducting Thin Film Materials	Resear	ch Superconductor Technologies Inc.	Priva	ate PI	\$2,351	75%	\$1,763
GP00017	Characterization of Pb-based Batteries	Resear	ch RSR Technologies, Inc.	Priva	ate PI	\$2,444	100%	\$2,444
	Totals	for Young,Ma	rcus Lynn					\$39,914
	Totals	for Materials S	Science & Engineering					\$301,247
Mechani	ical & Energy Engineering							
Choi,Ta	e-Youl							
GP50000	Development of a kW-Level Nanocomposites-Based Membrate Pump	rane Resear	ch Korea Institute of Machinery & Ma (KIMM)	aterials Priva	ate PI	\$2,770	100%	\$2,770
Office	of Grants and Contracts Administration University	of North Toy				Fynenditi	ires November F	72019: Page 18 of 4

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
	Totals for	Choi,Tae-Youl						\$2,770
Choi, Wo	onbong							
Choi, W.,	PI; Mechanical & Energy Engineering; Choi, W., PI; Mater	rials Science & Engin	neering					
GF70039	Integrated Flexible Energy System based on Two-Dimensional (2D) Materials	Research	Asian Office of Aerospace Research a Development	and Fede	ral PI	\$9,326	20%	\$1,865
	Totals for	Choi, Wonbong						\$1,865
D'Souza	,Nandika Anne							
D'Souza,	N., Co-PI; Mechanical & Energy Engineering; Dixon, R., P.	I; Azad, R., Co-PI; C	hen, F., Co-PI; Biological Sciences	; Azad, R., C	o-PI; Mai	thematics; Boya	l, R., Co-PI; Tea	ıcher
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Fede	ral Co-PI	\$13,408	8%	\$1,073
D'Souza,	N., PI; Mechanical & Energy Engineering; D'Souza, N., PI;	Materials Science &	Engineering					
GF30027	Collaborative Research: Engineering Fully Biobased Foams for the Building Industry	Research	National Science Foundation	Fede	ral PI	\$1,000	80%	\$800
	Totals for	D'Souza,Nandika An	ne					\$1,873
John,Ku	ıruvilla							
GF2682	Novel Experimental Techniques, Size Effect, and Damage Evolution for Heterogeneous Materials	Research	Air Force Research Laboratory	Fede	ral PI	\$16,869	100%	\$16,869
GP20055	Air Quality Monitoring for Ozone in Corpus Christi	Research	Port Industries of Corpus Christi	Priva	te PI	\$3,925	100%	\$3,925
	Totals for	John,Kuruvilla						\$20,795
Prasad,	Vishwanath							
Prasad, V	., Co-PI; Mechanical & Energy Engineering; Mishra, R., Pi	I; Materials Science o	& Engineering					
GF40083	FSW of Sealed Box Structures (Joining R3-3)	Research	American Lightweight Materials Manufacturing Innovation Institute	Fede	ral Co-PI	\$3,121	50%	\$1,561
	Totals for	Prasad,Vishwanath						\$1,561
Shi,Shel	don Qiang							
Shi, S., Pl	; Zhang, H., Co-PI; Mechanical & Energy Engineering							
GF70023	Real time gas monitoring with wireless high temperature sensor for the pyrolysis process of biomass to improve the production efficiency	Research	U.S. Department of Agriculture	Fede	ral PI	\$20,012	50%	\$10,006
	Totals for	Shi,Sheldon Qiang						\$10,006
Zhang,F	laifeng							
GF1729	GOALI: Collaborative Research: Energy Harvesting Nanorods- Enhanced MEMS Temperature-Insensitive Gas Sensor For Combustion Monitoring And Control	Research	National Science Foundation	Fede	ral PI	\$1,866	100%	\$1,866

Project ID	Title		Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
GF40036	Self-Powered Wireless Through-Wall Data Commun Nuclear Environments	nication for	Research	Virginia Polytechnic Institute and State University	e Feder	al PI	\$3,709	100%	\$3,709
Zhang, H.,	, Co-PI; Mechanical & Energy Engineering; Na	srazadani, S	S., PI; Yu, C., Co-P	PI; Engineering Technology; Mishra, R	., Co-PI; M	ukherjee,	S., Co-PI; Voe	vodin, A., Co-PI	; Mat
GF40045	Engineered Materials and Materials Design of Engin Materials (EMMDEM): Tactical Shelters	eered	Research	Northeastern University	Feder	al Co-PI	-\$1,476	14.29%	(\$211)
Zhang, H.,	, Co-PI; Mechanical & Energy Engineering; Mu	ıkherjee, S.,	PI; Dahotre, N., C	Co-PI; Voevodin, A., Co-PI; Materials S	Science & E	ngineerin	ng; Nasrazadan	i, S., Co-PI; Yu,	C., C
GF40070	Engineered Materials and Materials Design of Engin Materials (EMMDEM); Tactical Shelters; NU Year 2		Research	Northeastern University	Feder	al Co-PI	\$3,959	15%	\$594
Zhang, H.,	, Co-PI; Mechanical & Energy Engineering; Na	srazadani, S	S., PI; Yu, C., Co-P	PI; Engineering Technology; Dahotre, I	N., Co-PI; N	<i>Iukherjee</i>	e, S., Co-PI; Vo	evodin, A., Co-F	ΥΙ; Μ
GF40071	Engineered Materials and Materials Design of Engin Materials (EMMDEM); Tactical Shelters; NU Year 2		Research	Northeastern University	Feder	al Co-PI	\$2,853	15%	\$428
Zhang, H.,	, Co-PI; Mechanical & Energy Engineering; Na	srazadani, S	S., PI; Yu, C., Co-P	PI; Engineering Technology; Dahotre, I	N., Co-PI; N	1ukherjee	e, S., Co-PI; Vo	evodin, A., Co-P	'I; M
GF40072	Engineered Materials and Materials Design of Engin Materials (EMMDEM); Tactical Shelters; NU Year 2		Research	Northeastern University	Feder	al Co-PI	\$4,119	15%	\$618
GF4265	Self-Powered Wireless Dual-Mode Langasite Sensor / Temperature Monitoring of Nuclear Reactors	for Pressure	Research	Stony Brook University	Feder	al PI	\$3,862	100%	\$3,862
Zhang, H.,	, Co-PI; Shi, S., PI; Mechanical & Energy Engir	neering							
GF70023	Real time gas monitoring with wireless high tempera for the pyrolysis process of biomass to improve the p efficiency		Research	U.S. Department of Agriculture	Feder	al Co-PI	\$20,012	50%	\$10,006
GP50007	Fabrication of Patterned Electrodes and Harmonic G Measurements	eneration	Research	Wonkwang University	Priva	te PI	\$927	100%	\$927
		Totals for	Zhang,Haifeng						\$21,798
		Totals for	Mechanical & Ene	ergy Engineering					\$60,668
		Totals for	College of Enginee	ering					\$556,573
College o	of Health & Public Service								
Audiolog	y & Speech - Language Pathology								
Schafer,l	Erin Cheri								
GA00003	Autism Grant Program - Innovative Treatment Mode	ls	Research	Texas Higher Education Coordinating Board	State	PI	\$10,936	100%	\$10,936
		Totals for	Schafer,Erin Cher	i					\$10,936

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Behavio	r Analysis							
Ala'i-Ro	osales,Shahla S							
GP20038	ESATP UNT ABA Development and Training Collaboration	Public Service	Easter Seals	Privat	e PI	\$4,925	100%	\$4,925
01 20000	Totals fo			111/44		ψ.,,,20	100,0	\$4,925
Smith,R	ichard G	Thu i Rosalesysham	• 6					Ψ 1,520
GS00022	Behavior Analysis Resource Center - Competency Based Train	ng Public Service	Texas Health and Human Services Commission	State	PI	\$8,227	100%	\$8,227
	Totals fo	Smith,Richard G						\$8,227
Vaidya,		,						,
GS80003	Pediatric Radiation Oncology with Movie Induced Sedation Effect PROMISE	Research	University of Texas Southwestern Medi	ical State	PI	\$1,724	100%	\$1,724
	Totals fo	Vaidya,Manish						\$1,724
	Totals fo	Behavior Analysis						\$14,876
Commu	nication & Professional Programs - General							
	nication & Professional Programs - General ,Cecilia Louise							
		Instruction	Texas Department of Family & Protecti	ive Feder	al PI	\$19,076	100%	\$19,076
Thomas	,Cecilia Louise IV-E University Training Program		Services	ive Feder	al PI	\$19,076	100%	
Thomas	Cecilia Louise IV-E University Training Program Totals fo	Thomas,Cecilia Lou	Services tise	ive Feder	al PI	\$19,076	100%	\$19,076
Thomas GF40094	,Cecilia Louise IV-E University Training Program Totals fo	Thomas,Cecilia Lou	Services	ive Feder	al PI	\$19,076	100%	
Thomas GF40094 Disabilit	Cecilia Louise IV-E University Training Program Totals fo Totals fo Y & Addiction Rehabilitation	Thomas,Cecilia Lou	Services tise	ive Feder	al PI	\$19,076	100%	\$19,076
Thomas GF40094 Disabilit Carey, C	,Cecilia Louise IV-E University Training Program Totals fo Totals fo Ty & Addiction Rehabilitation Chandra Donnell	Thomas, Cecilia Lou Communication &	Services nise Professional Programs - General	ive Feder	al PI	\$19,076	100%	\$19,076
Thomas GF40094 Disabilit Carey, C	Cecilia Louise IV-E University Training Program Totals fo Totals fo Y & Addiction Rehabilitation	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co-	Services nise Professional Programs - General			\$19,076 \$4,429		\$19,076
Thomas GF40094 Disabilit Carey, C. Carey, C. GF10000	,Cecilia Louise IV-E University Training Program Totals fo Totals fo Y & Addiction Rehabilitation Chandra Donnell , Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Expanding Cultural and Linguistically Appropriate Services int Integrated Care and Behavioral Health Settings	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co- Description Public Service	Services nise Professional Programs - General PI; Counseling & Higher Education Health Resources & Service Administra					\$19,076 \$19,076
Thomas GF40094 Disabilit Carey, C. Carey, C. GF10000	,Cecilia Louise IV-E University Training Program Totals fo Totals fo Y & Addiction Rehabilitation Chandra Donnell , Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Expanding Cultural and Linguistically Appropriate Services int	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co- Description Public Service	Services nise Professional Programs - General PI; Counseling & Higher Education Health Resources & Service Administra			\$4,429	25%	\$19,076 \$19,076
Thomas GF40094 Disabilit Carey, C. GF10000 Carey, C.	Totals fo Totals fo Y & Addiction Rehabilitation Chandra Donnell , Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Expanding Cultural and Linguistically Appropriate Services int Integrated Care and Behavioral Health Settings , Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Cultural and Linguistic Awareness Support Services in	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co- Public Service PI; Counseling & Hi Instruction	Services nise Professional Programs - General PI; Counseling & Higher Education Health Resources & Service Administra gher Education Texas Higher Education Coordinating Board	ation Feder	al Co-PI	\$4,429	25%	\$19,076 \$19,076
Thomas GF40094 Disabilit Carey, C. GF10000 Carey, C. GS00014	Totals fo Totals fo Totals fo Y & Addiction Rehabilitation Chandra Donnell Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Expanding Cultural and Linguistically Appropriate Services int Integrated Care and Behavioral Health Settings Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Cultural and Linguistic Awareness Support Services in Counseling (UNT-CLASSIC)	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co- Description Public Service PI; Counseling & Hi Instruction	Services nise Professional Programs - General PI; Counseling & Higher Education Health Resources & Service Administra gher Education Texas Higher Education Coordinating Board	ation Feder	al Co-PI	\$4,429	25%	\$19,076 \$19,076 \$1,107 \$2,215
Thomas GF40094 Disabilit Carey, C. GF10000 Carey, C. GS00014	Totals fo Totals fo Y & Addiction Rehabilitation Chandra Donnell Chandra Chandra Chandility & Addiction Rehabilitation; Wilson, A. Expanding Cultural and Linguistically Appropriate Services int Integrated Care and Behavioral Health Settings Co-PI; Disability & Addiction Rehabilitation; Wilson, A. Cultural and Linguistic Awareness Support Services in Counseling (UNT-CLASSIC) Totals fo	Thomas, Cecilia Lou Communication & 1 PI; Ceballos, P., Co- Description Public Service PI; Counseling & Hi Instruction	Services nise Professional Programs - General PI; Counseling & Higher Education Health Resources & Service Administra gher Education Texas Higher Education Coordinating Board	ation Feder	al Co-PI Co-PI	\$4,429	25%	\$19,076 \$19,076 \$1,107 \$2,215

Project ID	Title		Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Hollowa	y,Linda L								
GP6461	Hogg Foundation Recovery to Practice Training Pro	gram	Public Service	Hogg Foundation for Mental Health	Priva	e PI	\$10,078	100%	\$10,078
GS00008	DARS CRP Credentialing Project		Public Service	Texas Workforce Commission	State	PI	\$22,691	100%	\$22,691
GS00009	DARS CRP Credentialing Project		Public Service	Texas Workforce Commission	State	PI	-\$5,392	100%	(\$5,392)
GS00023	DARS CRP Credentialing Project		Public Service	Texas Workforce Commission	State	PI	\$18,482	100%	\$18,482
		Totals for	Holloway,Linda L						\$45,859
		Totals for	Disability & Addicti	on Rehabilitation					\$61,154
Emerger	ncy Managementt & Disaster Science								
Siebeneo	ck,Laura Kathryn								
GF30015	CRISP Type 2: Collaborative Research: Critical Tran Resilience and Recovery of Interdependent Social ar Networks		e Research	National Science Foundation	Feder	al PI	\$2,958	100%	\$2,958
		Totals for	Siebeneck,Laura Ka	thryn					\$2,958
Zavar,E	lyse Marie			•					
GF30054	RAPID: Exploring the Design and Implementation of Programs in Post-Disaster Settings	of Buyout	Research	National Science Foundation	Feder	al PI	\$494	100%	\$494
		Totals for	Zavar,Elyse Marie						\$494
		Totals for	Emergency Manage	mentt & Disaster Science					\$3,452
Public A	dministration								
Andrew	Simon								
Andrew, S	S., Co-PI; Public Administration; Namuduri, K.,	PI; Electric	al Engineering						
GF30005	EAGER: Networked Aerial Base Stations For Enable Emergency Communications During Disaster Recovered		Research	National Science Foundation	Feder	al Co-PI	\$4,096	50%	\$2,048
		Totals for	Andrew,Simon						\$2,048
Dash,Ni									
Dash, N.,	Co-PI; Webb, G., PI; Public Administration								
GF1693	An Exploratory Study of Disaster Preparedness amo American Communities in the United States	ng Native	Research	National Science Foundation	Feder	al Co-PI	\$4,191	50%	\$2,096
		Totals for	Dash,Nicole						\$2,096
Webb,G									
Office of	of Grants and Contracts Administration, Uni	versity of	North Texas				Expenditu	res, November FY	'2019: Page 2

Project ID	Title		Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Webb, G.,	PI; Dash, N., Co-PI; Public Administration								
GF1693	An Exploratory Study of Disaster Preparedness among N American Communities in the United States	Native	Research	National Science Foundation	Fede	eral PI	\$4,191	50%	\$2,096
	To	otals for	Webb,Gary R						\$2,096
	Te	otals for	Public Administration	on					\$6,239
	To	otals for	College of Health &	Public Service					\$115,734
College	of Information								
Informat	tion Science								
Chandle	r,Yvonne J								
Chandler,	Y., PI; Information Science; Halbert, M., OTHER;	Universi	ity Library - General						
GF2694	Library Education for the US-Affiliated Pacific: A Projection of the Digital Future of the Pacific (LEAP II)	ect to	Instruction	Institute of Museum and Library Serv	vices Fede	ral PI	\$2,628	75%	\$1,971
	To	otals for	Chandler, Yvonne J						\$1,971
Hawamo	leh,Suliman M								
Hawamde	h, S., Co-PI; Information Science; Dantu, R., PI; Co	omputer l	Science & Engineeri	ng; Kim, D., Co-PI; Information Te	echnology &	Decision	Science		
GF1634	SFS-NEW: Advancing Learning and Leadership Throug Integrated Multidisciplinary Doctoral Program in Inform Assurance		Instruction	National Science Foundation	Fede	eral Co-PI	\$2,293	25%	\$573
	To	otals for	Hawamdeh,Suliman	M					\$573
Marino .	Ir.,John Lewis								
Marino Jr	., J., PI; Schultz-Jones, B., Co-PI; Information Scien	ence							
GF70043	Preparing Librarians for Data Literacy Leadership		Research	Institute of Museum and Library Serv	vices Fede	eral PI	\$8,168	50%	\$4,084
	To	otals for	Marino Jr.,John Lev	vis					\$4,084
Schultz-	Jones,Barbara A								
Schultz-Jo	ones, B., Co-PI; Marino Jr., J., PI; Information Scien	ence							
GF70043	Preparing Librarians for Data Literacy Leadership		Research	Institute of Museum and Library Serv	vices Fede	ral Co-PI	\$8,168	50%	\$4,084
	To	otals for	Schultz-Jones,Barba	ra A					\$4,084
	To	otals for	Information Science						\$10,712
Learning	g Technologies								
Christen	sen,Rhonda R								
Christense	en, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-P	PI; Learni	ing Technologies						
GF1666	Going Green! Middle Schoolers Out to Save the World ((MSOSW)	Research	National Science Foundation	Fede	ral Co-PI	\$35,217	33%	\$11,622
Christense	en, R., Co-PI; Tyler-Wood, T., PI; Knezek, G., Co-P	PI; Learni	ing Technologies						
GF1727	Strategies: Collaborative Research: American Innovation Age of Discovery: Teaching Science and Engineering th printed Historical Reconstructions	ns in an	Research	National Science Foundation	Fede	ral Co-PI	\$2,328	33%	\$768
	f Grants and Contracts Administration, Univer							ires November FY	

Project ID	Title	Category	Sponsor	Funding PI / Source Co-PI	Expended R This Period	ecognition %	Recognition Amount
Christens	en, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Learnin	g Technologies					
GF70011	NASA STEM Research	Research	National Aeronautics & Space Administration	Federal Co-PI	\$14,933	33%	\$4,928
Christens	en, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Learnin	g Technologies					
GP6405	Research and Evaluation for Hawaii FIRST (Fostering Inspiration and Relevance through Science and Technology)	Research	University of Hawaii	Private Co-PI	\$5,824	33%	\$1,922
	Totals for • C	Christensen,Rhond	a R				\$19,240
Knezek,	Gerald						
Knezek, G	G., PI; Christensen, R., Co-PI; Tyler-Wood, T., Co-PI; Learnin	g Technologies					
GF1666	Going Green! Middle Schoolers Out to Save the World (MSOSW)	Research	National Science Foundation	Federal PI	\$35,217	34%	\$11,974
Knezek, G	G., Co-PI; Tyler-Wood, T., PI; Christensen, R., Co-PI; Learnin,	g Technologies					
GF1727	Strategies: Collaborative Research: American Innovations in an Age of Discovery: Teaching Science and Engineering through 3D-printed Historical Reconstructions	Research	National Science Foundation	Federal Co-PI	\$2,328	33%	\$768
Knezek, G	G., PI; Christensen, R., Co-PI; Tyler-Wood, T., Co-PI; Learnin	g Technologies					
GF70011	NASA STEM Research	Research	National Aeronautics & Space Administration	Federal PI	\$14,933	34%	\$5,077
Knezek, G	G., PI; Christensen, R., Co-PI; Tyler-Wood, T., Co-PI; Learnin	g Technologies					
GP6405	Research and Evaluation for Hawaii FIRST (Fostering Inspiration and Relevance through Science and Technology)	Research	University of Hawaii	Private PI	\$5,824	34%	\$1,980
	Totals for I	Knezek,Gerald					\$19,799
Tyler-W	ood,Tandra L						
Tyler-Woo	od, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI; Learnin	g Technologies					
GF1666	Going Green! Middle Schoolers Out to Save the World (MSOSW)	Research	National Science Foundation	Federal Co-PI	\$35,217	33%	\$11,622
Tyler-Woo	od, T., PI; Christensen, R., Co-PI; Knezek, G., Co-PI; Learnin	g Technologies					
GF1727	Strategies: Collaborative Research: American Innovations in an Age of Discovery: Teaching Science and Engineering through 3D-printed Historical Reconstructions	Research	National Science Foundation	Federal PI	\$2,328	34%	\$792
Tyler-Woo	od, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI; Learnin,	g Technologies					
GF70011	NASA STEM Research	Research	National Aeronautics & Space Administration	Federal Co-PI	\$14,933	33%	\$4,928
Tyler-Woo	od, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI; Learnin,	g Technologies					
GP6405	Research and Evaluation for Hawaii FIRST (Fostering Inspiration and Relevance through Science and Technology)	Research	University of Hawaii	Private Co-PI	\$5,824	33%	\$1,922
	Totals for T	Гyler-Wood,Tandra	a L				\$19,263
	Totals for I	Learning Technolog	gies				\$58,302
Linguist	ics						

Project ID	Title		Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Chelliah	n,Shobhana L								
Chelliah,	S., PI; Linguistics; King, K., Co-PI; Meernik, J	., Co-PI; Po	litical Science						
GF30024	Political Instability and Language Endangerment		Research	National Science Foundation	Fede	ral PI	\$3,255	50%	\$1,628
		Totals for	Chelliah,Shobhana L	1					\$1,628
		Totals for	Linguistics						\$1,628
		Totals for	College of Information	on					\$70,641
College	of Liberal Arts & Social Sciences								
Econom	nics								
Carroll,	,Michael Charles								
-	M., Co-PI; Economics; Nowicki, D., PI; Engine	ering Techno	ology; Nowicki, D., PI	; Bomba, M., Co-PI; Marketing &	& Logistics				
GF40031	SUPPORT OF IMPLEMENTING THE FIXING A SURFACE TRANSPORTATION ACT AND THE TRADE ADVISORY COMMITTEE	MERICA'S	Research	Texas Department of Transportation		ral Co-PI	\$36,000	0%	\$0
		Totals for	Carroll, Michael Char	rles					\$0
		Totals for	Economics						\$0
Geograp	phy								
Ponette,	Alexandra Gisela								
GF30000	CAREER: Intra-Urban Variability in Black Carbon Rates, Pathways, and Determinants	Deposition:	Research	National Science Foundation	Fede	ral PI	\$7,706	100%	\$7,706
		Totals for	Ponette,Alexandra G	isela					\$7,706
Tiwari,0	Chetan								
Tiwari, C	C., Co-PI; Geography; Mikler, A., PI; Ramisetty	-Mikler, S., C	Co-PI; Computer Scien	nce & Engineering; O'Neill II, M.	, Co-PI; Instit	ute for Ap	plied Sciences		
GF00007	Minimizing Access Disparities in Bio-Emergency Flanning	Response	Research	National Institutes of Health	Fede	ral Co-PI	\$7,903	25%	\$1,976
		Totals for	Tiwari,Chetan						\$1,976
		Totals for	Geography						\$9,682
Philosop	phy & Religion Studies								
Rozzi,R	icardo								
	, Co-PI; Philosophy & Religion Studies; Jimene.	z, J., PI; Ken	nedy, J., Co-PI; Biolo	ogical Sciences; Jimenez, J., PI; M	Mathematics				
GF30033	IRES: Cross-Cutting Interdisciplinary Research an of Ecology and Biocultural Conservation in the Wo Sounternmost Forests	d Integration	Research	National Science Foundation		ral Co-PI	\$26,940	33%	\$8,890
		Totals for	Rozzi,Ricardo						\$8,890
		Totals for	Philosophy & Religio	on Studies					\$8,890
Political	l Science								

Project ID	Title		Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Hensel,P	aul Richard								
GF2707	Identity Claims: Expanding the Issue Correlates of V Dataset	Var (ICOW)	Research	U.S. Office of Naval Research	Feder	al PI	\$4,361	100%	\$4,361
		Totals for	Hensel,Paul Richard	d					\$4,361
King,Ki	mi Lynn								
King, K.,	Co-PI; Meernik, J., Co-PI; Political Science; Ci	helliah, S., F	I; Linguistics						
GF30024	Political Instability and Language Endangerment		Research	National Science Foundation	Feder	al Co-PI	\$3,255	25%	\$814
		Totals for	King,Kimi Lynn						\$814
Meernik	,James David								
Meernik, .	I., Co-PI; King, K., Co-PI; Political Science; Ci	helliah, S., F	I; Linguistics						
GF30024	Political Instability and Language Endangerment		Research	National Science Foundation	Feder	al Co-PI	\$3,255	25%	\$814
		Totals for	Meernik,James Dav	id					\$814
		Totals for	Political Science						\$5,989
Psycholo	gy								
Blument	hal,Heidemarie								
GF00005	Modeling Marijuana Use Willingness and Problems of Social Rejection and Social Anxiety Among Ado		Research	National Institutes of Health	Feder	al PI	\$1,824	100%	\$1,824
Blumenth	al, H., PI; Ruggero, C., Co-PI; Taylor, D., Co-F	I; Psycholo	gy						
GF00006	A Controlled Test of Interpersonal Rejection, Social Alcohol Use among Female Adolescents	Anxiety, and	Research	National Institutes of Health	Feder	al PI	\$7,483	80%	\$5,986
		Totals for	Blumenthal, Heidem	arie					\$7,811
Hook,Jo	shua Nord								
GP20015	Building a Bridge Between Psychology and Church	Ministry	Research	John Templeton Foundation	Privat	e PI	\$2,692	100%	\$2,692
GP30004	Developing Humility in Leadership		Research	Biola University	Privat	e PI	\$1,342	100%	\$1,342
		Totals for	Hook,Joshua Nord						\$4,034
Kelly,Ki	mberly S								
Kelly, K.,	Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psy	chology							
GF00003	Sleep and Vaccine Response in Nurses (SAV-RN)		Research	National Institutes of Health	Feder	al Co-PI	\$18,715	40%	\$7,486
Kelly, K	Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psy	chology							
GF00004	Sleep and Vaccine Response in Nurses (SAV-RN)	0,7	Research	National Institutes of Health	Feder	al Co-PI	\$20,383	40%	\$8,153
		Totals for	Kelly,Kimberly S				. ,		\$15,639
	f Grants and Contracts Administration Uni						F P.	res. November FY	70010 P 26

Project ID	Title	Category	Sponsor	_	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Ruggero	,Camilo							
Ruggero,	C., Co-PI; Taylor, D., PI; Kelly, K., Co-PI; Psychology							
GF00003	Sleep and Vaccine Response in Nurses (SAV-RN)	Research	National Institutes of Health	Feder	al Co-PI	\$18,715	20%	\$3,743
Ruggero,	C., Co-PI; Taylor, D., PI; Kelly, K., Co-PI; Psychology							
GF00004	Sleep and Vaccine Response in Nurses (SAV-RN)	Research	National Institutes of Health	Feder	al Co-PI	\$20,383	20%	\$4,077
Ruggero,	C., Co-PI; Blumenthal, H., PI; Taylor, D., Co-PI; Psycholog	У						
GF00006	A Controlled Test of Interpersonal Rejection, Social Anxiety, and Alcohol Use among Female Adolescents	Research	National Institutes of Health	Feder	al Co-PI	\$7,483	5%	\$374
	Totals for	Ruggero,Camilo						\$8,194
Taylor,I	Daniel							
Taylor, D	., PI; Kelly, K., Co-PI; Ruggero, C., Co-PI; Psychology							
GF00003	Sleep and Vaccine Response in Nurses (SAV-RN)	Research	National Institutes of Health	Feder	al PI	\$18,715	40%	\$7,486
Taylor, D	., PI; Kelly, K., Co-PI; Ruggero, C., Co-PI; Psychology							
GF00004	Sleep and Vaccine Response in Nurses (SAV-RN)	Research	National Institutes of Health	Feder	al PI	\$20,383	40%	\$8,153
Taylor, D	., Co-PI; Blumenthal, H., PI; Ruggero, C., Co-PI; Psycholog	У						
GF00006	A Controlled Test of Interpersonal Rejection, Social Anxiety, and Alcohol Use among Female Adolescents	Research	National Institutes of Health	Feder	al Co-PI	\$7,483	15%	\$1,122
GF4287	CAP-Treatment of Comorbid Sleep Disorders and PTSD	Research	University of Texas Health Science Cer at San Antonio	nter Feder	al PI	\$29,403	100%	\$29,403
GF70026	Web-Based Provider Training for Cognitive Behavioral Therapy of Insomnia (CBTi)	Research	U.S. Department of Defense- CDMRP	Feder	al PI	\$26,006	100%	\$26,006
	Totals for	Taylor,Daniel						\$72,171
	Totals for	Psychology						\$107,849
Technica	al Communication							
Boettger	·,Ryan K							
Boettger,	R., PI; Technical Communication; Hoeinghaus, D., Co-PI; E	Biological Sciences;	Ludi, S., Co-PI; Computer Science &	Engineerin	g			
GF30034	Collaborative Research: Evaluating a Data-Driven Approach to Teaching Technical Writing to STEM Majors	Research	National Science Foundation	Feder	al PI	\$3,768	56%	\$2,110
	Totals for	Boettger,Ryan K						\$2,110
Montler	Timothy Robert							
GF70001	Saanich (str-saa) Texts and Grammar	Research	National Endowment for the Humanitie	es Feder	al PI	\$21,624	100%	\$21,624
	Totals for	Montler, Timothy R	obert					\$21,624
Office	f Country and Country at Administration University of N	In with Tarras					unas Navambar EV	

Project ID	Title		Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
		Totals for	Technical Commun	nication					\$23,734
World L	anguage, Literature, & Cultures								
Filosofo	va,Tatiana Vladimirovna								
GF70035	STARTALK: 2018 Welcome to My World- Summer Proposal 2018 (Russian and Chinese), UNT Campus	School	Instruction	National Security Agency	Feder	al PI	-\$1,611	100%	(\$1,611)
		Totals for	Filosofova, Tatiana	Vladimirovna					(\$1,611)
		Totals for	World Language, l	Literature, & Cultures					(\$1,611)
		Totals for	College of Liberal	Arts & Social Sciences					\$154,532
	of Merchandising, Hospitality & Tourism <i>General</i>								
Pookula	ngara,Sanjukta Arun								
GF40009	A Multi-Dimensional Approach to Meet 21st Century Education and Industry Challenges for India and the U		Instruction	Iowa State University	Feder	al PI	\$1,386	100%	\$1,386
		Totals for	Pookulangara,San	jukta Arun					\$1,386
		Totals for	CMHT - General						\$1,386
Merchan	ndising & Digital Retailing								
Kim,JiY	oung								
	I; Xu, B., Co-PI; Merchandising & Digital Retail	ling							
GP20050	Cotton on the Move		Instruction	Cotton Incorporated	Privat	e PI	\$7,934	90%	\$7,140
		Totals for	Kim,JiYoung						\$7,140
Xu,Buga	10								
GF70036	Feasibility Study That Examines the Potential for Usi Scattering as a Detection Mechanism	ing Laser-	Research	Agriculture Research Service	Feder	al PI	\$2,032	100%	\$2,032
GP20047	Dual-beard Fibrography for Cotton Length Distribution Measurement	on	Research	Cotton Incorporated	Privat	e PI	\$1,982	100%	\$1,982
Хи, В., Са	o-PI; Kim, J., PI; Merchandising & Digital Retail	ling							
GP20050	Cotton on the Move		Instruction	Cotton Incorporated	Privat	e Co-PI	\$7,934	10%	\$793
		Totals for	Xu,Bugao						\$4,808
		Totals for	Merchandising & l	Digital Retailing					\$11,948
		Totals for	College of Merchan	ndising, Hospitality & Tourism					\$13,334

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Advance	d Environmental Research							
Kennedy	,James H							
GP40012	Surveillance of Mosquitoes and Arboviruses Including West Nile Virus in the City of Denton during the 2018 Mosquito Season	Research	City of Denton	Private	e PI	\$3,346	100%	\$3,346
	Totals for	Kennedy,James H						\$3,346
	Totals for	Advanced Environm	ental Research					\$3,346
Biologica	al Sciences							
Alonso,A	na paula							
GF40090	Collaborative Research : Dimensions : Secondary Metabolites as Drivers of Fungal Endophyte Community Diversity	Research	The Ohio State University	Federa	l PI	\$9,554	100%	\$9,554
GF70041	Development of Resources and Tools to Improve Oil Content and Quality in Pennycress	Research	U.S. Department of Energy	Federa	l PI	\$15,781	100%	\$15,781
GP10003	Developing and Characterizing Soybean Cultivars With Increased Oil While Maintaining Protein and Yield	Research	The Ohio State University	Private	e PI	\$10,136	100%	\$10,136
		Alonso,Ana paula						\$35,471
Atkinsor	,Samuel F							
G70933	Aquatic Macrophyte Restoration Project, Lake Austin and Town Lake, Texas	Research	City of Austin	Private	e PI	\$1,869	100%	\$1,869
GP40007	Ecosystem Management of Big Spring, Dallas, Texas	Research	City of Dallas	Private	e PI	\$2,321	100%	\$2,321
G1 10007		Atkinson,Samuel F	City of Danies	711,400		Ψ2,021	100,0	\$4,190
Ayre,Bri	an G	ŕ						
GF1748	Unraveling the Link Between Carbohydrate Transport and Phosphate Use: Can We Improve Carbon Partitioning and Reduce Nutrient Use?	Research	National Science Foundation	Federa	l PI	\$9,501	100%	\$9,501
Ayre, B., I	PI; McGarry, R., Co-PI; Biological Sciences							
GP20049	Redesigning the cotton plant's architecture to improve yield and quality	Research	Cotton Incorporated	Private	e PI	\$4,033	50%	\$2,017
		Ayre,Brian G						\$11,518
Azad,Ra	jeev Kumar							
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Project ID	Title	Category	Sponsor	_	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Azad, R.,	Co-PI; Padilla, P., PI; Biological Sciences; Azad, R., Co-PI;	Mathematics						
GF00001	Molecular Consequences of Glucose Diet and Altered Ceramide Species Impacting Oxygen Deprivation Responses	Research	National Institutes of Health	Federa	al Co-PI	\$3,993	24%	\$958
Azad, R.,	Co-PI; Jagadeeswaran, P., PI; Biological Sciences; Azad, R.,	Co-PI; Mathem	atics					
GF00011	Zebrafish Thrombopoiesis	Research	National Institutes of Health	Federa	al Co-PI	\$2,794	6%	\$168
Azad, R.,	Co-PI; Mittler, R., PI; Shulaev, V., Co-PI; Biological Science	es; Azad, R., Co-l	PI; Mathematics					
GF1681	Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress	Research	National Science Foundation	Federa	al Co-PI	\$57	17.4%	\$10
Azad, R.,	Co-PI; Dixon, R., PI; Chen, F., Co-PI; Biological Sciences; A	Azad, R., Co-PI;	Mathematics; Boyd, R., Co-PI; Teacher	Education &	& Admini	stration; D'Sou	za, N., Co-PI; N	1echa
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Federa	al Co-PI	\$13,408	6%	\$804
	Totals for	Azad,Rajeev Kun	nar					\$1,940
Burggre	n,Warren W							
Burggren,	, W., PI; Padilla, P., Co-PI; Biological Sciences							
GF1736	Epigenetic Inheritance of Physiological Phenotypes: Occurrence, Mechanism and Inter- and Intra-Individual Variation	Research	National Science Foundation	Federa	al PI	\$10,836	60%	\$6,502
Burggren,	W., PI; Jagadeeswaran, P., Co-PI; Biological Sciences							
GP00029	Assessment of CardioActive Compounds	Research	AstraZeneca PLC	Privat	e PI	\$634	60%	\$380
Burggren,	, W., Co-PI; Roberts, A., PI; Crossley II, D., Co-PI; Mager, E	, Co-PI; Biolog	ical Sciences					
GP10002	Relationship of Effects of Cardiac Outcomes in fish for Validation of Ecological Risk-II (RECOVER-II)	Research	University of Miami - School of Medic	ine Privat	e Co-PI	\$15,896	25%	\$3,974
	Totals for	Burggren,Warren	ı W					\$10,856
Chapma	nn,Kent D							
GF10502	Engineering Lipid Droplets for Increasing Oil Content and Abiotic Stress Tolerance of Plants	Research	Agriculture Research Service	Feder	al PI	\$5,110	100%	\$5,110
GF1691	CAREER: Genetic Approach to Identifying Proteins Necessary for Division Plane Orientation During Plant Development	Research	National Science Foundation	Federa	al PI	\$7,879	100%	\$7,879
GF30020	Molecular Targets and Actions of Ethanolamide-Conjugated Oxylipins in Arabidopsis Thaliana	Research	National Science Foundation	Federa	al PI	\$13,000	100%	\$13,000
GF70010	Elucidating the Cellular Machinery for Lipid Storage in Plants	Research	U.S. Department of Energy	Federa	al PI	\$2,343	100%	\$2,343
GP00030	Embryogenic Cell Culture Screening System for Herbicide Tolerance	Research	BASF Plant Science, LP	Privat	e PI	\$8,514	100%	\$8,514

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
GP20045	Engineering Seed Value in Cotton - Strategies to Modify Seed Protein	Research	Cotton Incorporated	Priva	e PI	\$4,638	100%	\$4,638
	Totals for	Chapman,Kent D						\$41,484
Chen,Fai	ng							
Chen, F.,	Co-PI; Dixon, R., PI; Azad, R., Co-PI; Biological Sciences;	Azad, R., Co-PI; Ma	athematics; Boyd, R., Co-PI; Teacher	r Education	& Admini	stration; D'Sou	za, N., Co-PI; M	1 echa
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Feder	al Co-PI	\$13,408	25%	\$3,352
Chen, F.,	Co-PI; Dixon, R., PI; Biological Sciences							
GF40068	Center for Bioenergy Innovation: Lignin in Planta Design and Diversity	Research	UT-Battelle, LLC	Feder	al Co-PI	\$22,462	50%	\$11,231
	Totals for	Chen,Fang						\$14,583
Crossley	II,Dane Alan							
Crossley I	I, D., Co-PI; Roberts, A., PI; Burggren, W., Co-PI; Mager,	E., Co-PI; Biologica	l Sciences					
GP10002	Relationship of Effects of Cardiac Outcomes in fish for Validation of Ecological Risk-II (RECOVER-II)	Research	University of Miami - School of Medic	cine Privat	e Co-PI	\$15,896	25%	\$3,974
	Totals for	Crossley II,Dane Ala	an					\$3,974
Dickstein	n,Rebecca							
GF40073	Research-PGR: Functional genomics of beneficial legume- microbe interactions	Research	Samuel Roberts Noble Foundation, Inc	c. Feder	al PI	\$3,453	100%	\$3,453
	Totals for	Dickstein,Rebecca						\$3,453
Dixon,Ri	ichard Arthur							
Dixon,R.,	PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences;	Azad, R., Co-PI; Ma	athematics; Boyd, R., Co-PI; Teacher	r Education	& Admini	stration; D'Sou	za, N., Co-PI; M	1 echa
GF1734	Biosynthesis, Regulation and Engineering of C-Lignin	Research	National Science Foundation	Feder	al PI	\$13,408	45%	\$6,033
Dixon, R.,	PI; Chen, F., Co-PI; Biological Sciences							
GF40068	Center for Bioenergy Innovation: Lignin in Planta Design and Diversity	Research	UT-Battelle, LLC	Feder	al PI	\$22,462	50%	\$11,231
GF4293	Botanicals Dietary Supplement Research Center- Dietary Polyphenols in the Preservation and Promotion of Cognitive Wellness and Psychological Resiliency	Research	Mount Sinai School of Medicine	Feder	al PI	\$14,164	100%	\$14,164
GP6331	Molecular Approaches to Improved Protein Utilization in Alfalfa	Research	Forage Genetics International	Privat	e PI	\$9,650	100%	\$9,650
GP6433	Condensed Tannin Expression in Row Crops	Research	Grasslanz Technology Limited (GTL)	Priva	e PI	\$11,247	100%	\$11,247
	Totals for	Dixon,Richard Arth	ur					\$52,326

Hoeinghaus, David Joseph Hoeinghaus, D., Co-PI; Biological Sciences; Boettger, R., PI; Technical Communication; Ludi, S., Co-PI; Computer Science & Engineering GF30034 Collaborative Research: Evaluating a Data-Driven Approach to Teaching Technical Writing to STEM Majors GF4253 Quantification of Alligator Gar Recruitment Dynamics Using a Research Wildlife Management Institute, Inc. Federal PI \$179 Briver Stage Specific Floodplain Inundation Model Totals for Hoeinghaus, David Joseph Hughes, L., PI; Padilla, P., Co-PI; Biological Sciences GF1673 Fostering Outstanding Cohorts in Undergraduate Science II Instruction National Science Foundation Federal PI \$33 Totals for Hughes, Lee E Jagadeeswarran, Pudur Jagadeeswarran, P., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics GF00011 Zebrafish Thrombopoicsis Research National Institutes of Health Federal PI \$2,794 Jagadeeswarran, P., Co-PI; Biological Sciences GP00029 Assessment of CardioActive Compounds Research National Institutes of Health Federal PI \$634 Totals for Jagadeeswarran, Pudur Jimenez, Jajime Enrique Jimenez, J., PI; Kennedy, J., Co-PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 RRS: Cross-Cutting Interdisciplinary Research and Integration Research National Science Foundation Federal PI \$26,940 GF30030 RRS: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sountermons Forests Fotals for Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30030 RRS: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sountermons Forests	ect	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
GF30034 Collaborative Research: Evaluating a Data-Driven Approach to Teaching Technical Writing to STEM Majors GF4253 Quantification of Alligator Gar Recruitment Dynamics Using a Rusearch Totals for Rote Ruse Specific Floodplain Inundation Model Totals for Totals for Ruse Stage Specific Floodplain Inundation Model Totals for Ruse Stage S	ıgh	aus,David Joseph							
GF4253 Quantification of Alligator Gar Recruitment Dynamics Using a Research Wildlife Management Institute, Inc. Pederal P1 -\$179	gha	us, D., Co-PI; Biological Sciences; Boettger, R., PI; Technic	cal Communication,	: Ludi, S., Co-PI; Computer Science	& Engineering	ıg			
River Stage Specific Floodplain Inundation Model Totals for Bughes, Letter Stage Specific Floodplain Inundation Model Hughes Letter Stage Specific Floodplain Inundation Model Hughes, Letter Stage Specific Floodplain Inundation Model Flood Stage Stage Specific Floodplain Inundation Model Hughes, Letter Stage Specific Floodplain Inundation Model Flood Stage St	34		Research	National Science Foundation	Fede	ral Co-PI	\$3,768	3 22%	\$829
Hughes, Lee E Hughes, Lee F Totals for Rotals for Bughes, Lee E Jagadeeswaran, Pudur Jagadeeswaran, P. Pl; Azad, R., Co-Pl; Biological Sciences; Azad, R., Co-Pl; Mathematics GF00011 Zebrafish Thrombopoiesis Research Rotaling Sciences Rotaling Science Rotaling Sc	3		Research	Wildlife Management Institute, Inc.	Fede	ral PI	-\$179	100%	(\$179)
Hughes, L. PI; Padilla, P., Co-PI; Biological Sciences GF1673 Postering Outstanding Cohorts in Undergraduate Science II Instruction National Science Foundation Federal PI \$33 Fotals for Hughes, Lee E Jagadeeswaran, Pudur Jagadeeswaran, P., PI; Azad, R., Co-PI; Biological Sciences; Azad, R. Co-PI; Mathematics GF00011 Zebrafish Thrombopoiesis Research Research Research Research Pudur Jagadeeswaran, P., Co-PI; Burggren, W., PI; Biological Sciences GF00012 Assessment of CardioActive Compounds Research Resear		Totals for	Hoeinghaus, David	Joseph					\$650
GF1673 Postering Outstanding Cohorts in Undergraduate Science II Instruction National Science Foundation Federal PI \$33 Fortials for Foundation Federal PI Instruction National Science Foundation Federal PI \$33 Federal PI Stagadeswaran, Pudur Jagadeswaran, P., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics GF00011 Zebrafish Thrombopoiesis Research Pithrombopoiesis Research Pithrombopoiesis Research Pithrombopoiesis Research Pithrombopoiesis Pithrombop	es,	Lee E							
Totals for Tot	s, I	L., PI; Padilla, P., Co-PI; Biological Sciences							
Jagades Jaga	3	Fostering Outstanding Cohorts in Undergraduate Science II	Instruction	National Science Foundation	Fede	ral PI	\$33	66.67%	\$22
Sagadees Sagade Sagadees		Totals for	Hughes,Lee E						\$22
Research National Institutes of Health Federal Pl \$2,794 Jagadeessurara, P., Co-PI; Burggren, W., PI; Biological Sciences	lee	swaran,Pudur							
Jagadeeswaran, P., Co-PI; Burggren, W., PI; Biological Sciences GP00029 Assessment of CardioActive Compounds Research AstraZeneca PLC Private Co-PI \$634 Totals for Jagadeeswaran,Putur Jimenez, Jaime Enrique Jimenez, J., PI; Kennedy, J., Co-PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 RES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez, Jaime Enrique Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 RES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Research National Science Foundation Federal Co-PI \$26,940 of Ecology and Biocultural Conservation in the World's	eesi	waran, P., PI; Azad, R., Co-PI; Biological Sciences; Azad, R	2., Co-PI; Mathemai	tics					
Research AstraZeneca PLC Private Co-PI \$634 Totals for Jagadeeswaran,Pudur Jimenez,Jaime Enrique Jimenez, J., PI; Kennedy, J., Co-PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez,Jaime Enrique Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Research National Science Foundation Federal Co-PI \$26,940 of Ecology and Biocultural Conservation in the World's	11	Zebrafish Thrombopoiesis	Research	National Institutes of Health	Fede	ral PI	\$2,794	90%	\$2,514
Totals for Jagadeeswaran,Puture Jimenez, Jaime Enrique Jimenez, J., Pl; Kennedy, J., Co-Pl; Biological Sciences; Jimenez, J., Pl; Mathematics; Rozzi, R., Co-Pl; Philosophy & Religion Studies GF30032 RES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez, Jaime Enrique Kennedy, J., Co-Pl; Jimenez, J., Pl; Biological Sciences; Jimenez, J., Pl; Mathematics; Rozzi, R., Co-Pl; Philosophy & Religion Studies Kennedy, J., Co-Pl; Jimenez, J., Pl; Biological Sciences; Jimenez, J., Pl; Mathematics; Rozzi, R., Co-Pl; Philosophy & Religion Studies GF30033 RES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's	eesi	waran, P., Co-PI; Burggren, W., PI; Biological Sciences							
Jimenez, J., PI; Kennedy, J., Co-PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033	29	Assessment of CardioActive Compounds	Research	AstraZeneca PLC	Priva	te Co-PI	\$634	40%	\$254
GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies Kennedy, James H Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Research National Science Foundation Federal Co-PI \$26,940 of Ecology and Biocultural Conservation in the World's		Totals for	Jagadeeswaran,Pu	dur					\$2,768
GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez, Jaime Enrique Kennedy, James H Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's	ıez	Jaime Enrique							
of Ecology and Biocultural Conservation in the World's Sounternmost Forests Totals for Jimenez, Jaime Enrique Kennedy, James H Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's	2Z, J	I., PI; Kennedy, J., Co-PI; Biological Sciences; Jimenez, J.,	PI; Mathematics; R	Pozzi, R., Co-PI; Philosophy & Religi	ion Studies				
Kennedy, James H Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's	33	of Ecology and Biocultural Conservation in the World's	Research	National Science Foundation	Fede	ral PI	\$26,940	27.2%	\$7,328
Kennedy, J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J., PI; Mathematics; Rozzi, R., Co-PI; Philosophy & Religion Studies GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration of Ecology and Biocultural Conservation in the World's Research National Science Foundation Federal Co-PI \$26,940		Totals for	Jimenez,Jaime Enr	ique					\$7,328
GF30033 IRES: Cross-Cutting Interdisciplinary Research and Integration Research National Science Foundation Federal Co-PI \$26,940 of Ecology and Biocultural Conservation in the World's	edy	y,James H							
of Ecology and Biocultural Conservation in the World's	dy,	J., Co-PI; Jimenez, J., PI; Biological Sciences; Jimenez, J.,	PI; Mathematics; R	Pozzi, R., Co-PI; Philosophy & Religi	ion Studies				
	33	of Ecology and Biocultural Conservation in the World's	Research	National Science Foundation	Fede	ral Co-PI	\$26,940	33%	\$8,890
GF40024 Aquatic herpetofaunal and Macroinvertebrate Inventory of Camp Research Texas Adjutant Generals Department Federal PI \$2,562 Maxey in North-East Texas	24		Research	Texas Adjutant Generals Department	t Fede	ral PI	\$2,562	2 100%	\$2,562
Totals for Kennedy, James H		Totals for	Kennedy,James H						\$11,452
Longo, Antonella	o,A	ntonella							
Longo, A., Co-PI; Wang, X., PI; Biological Sciences	Α.	, Co-PI; Wang, X., PI; Biological Sciences							
GF2695 UGT Engineering for Detoxifying Anticancer Drug SN-38 Research National Institutes of Health Federal Co-PI \$11,461	5	UGT Engineering for Detoxifying Anticancer Drug SN-38	Research	National Institutes of Health	Fede	ral Co-PI	\$11,461	20%	\$2,292
Totals for Longo, Antonella		Totals for	Longo,Antonella						\$2,292

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
Lund,Ar	mie Kathleen							
Lund, A.,	PI; Mcfarlin, B., Co-PI; Biological Sciences; Mcfarlin, B.,	Co-PI; Kinesiolog	y, Health Promotion, & Recreation					
GF00008	The Renin-Angiotensin System in Air Pollution-Mediated Exacerbation of Obesity	Research	National Institutes of Health	Fede	ral PI	\$9,176	80%	\$7,341
	Totals for	Lund,Amie Kathl	leen					\$7,341
Mager,E	Edward Michael							
Mager, E.	., Co-PI; Roberts, A., PI; Burggren, W., Co-PI; Crossley II,	D., Co-PI; Biolog	ical Sciences					
GP10002	Relationship of Effects of Cardiac Outcomes in fish for Validation of Ecological Risk-II (RECOVER-II)	Research	University of Miami - School of Medic	cine Priva	te Co-PI	\$15,896	25%	\$3,974
	Totals for	Mager,Edward M	fichael					\$3,974
Mcfarlin	n,Brian Keith							
Mcfarlin,	B., Co-PI; Lund, A., PI; Biological Sciences; Mcfarlin, B.,	Co-PI; Kinesiolog	y, Health Promotion, & Recreation					
GF00008	The Renin-Angiotensin System in Air Pollution-Mediated Exacerbation of Obesity	Research	National Institutes of Health	Fede	ral Co-PI	\$9,176	2%	\$184
Mcfarlin,	B., PI; Biological Sciences; Mcfarlin, B., PI; Kinesiology, F	Health Promotion,	& Recreation					
GP00002	The Effect of 30 Days of Megasporebiotic Supplementation on Post-Prandial Responses to a High-Fat Meal	Research	Physicians Exclusive, LLC	Priva	ite PI	\$74	10%	\$7
Mcfarlin	B., PI; Vingren, J., Co-PI; Biological Sciences; Mcfarlin, B	PI: Rowman F	Co-PI: Olson R Co-PI: Vingren I	Co-PI: Kine	siology i	Health Promotic	on & Recreation	,
GP00026	Does 90-days of Megasporebiotic supplementation reduce on pos prandial responses to a high-fat meal?		Physicians Exclusive, LLC	Priva		\$139		\$9
	Totals for	Mcfarlin,Brian K	eith					\$200
McGarr	y,Roisin Carrie							
	R., Co-PI; Ayre, B., PI; Biological Sciences							
GP20049	Redesigning the cotton plant's architecture to improve yield and quality	Research	Cotton Incorporated	Priva	ite Co-PI	\$4,033	50%	\$2,017
	Totals for	McGarry,Roisin	Carrie					\$2,017
Mittler,l	Ron							
Mittler, R.	., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Science	ces; Azad, R., Co-l	PI; Mathematics					
GF1681	Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress	Research	National Science Foundation	Fede	ral PI	\$57	42%	\$24
	Totals for	Mittler,Ron						\$24
Padilla,I	Pamela A							
Padilla, P	P., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI	; Mathematics						
GF00001	Molecular Consequences of Glucose Diet and Altered Ceramide Species Impacting Oxygen Deprivation Responses	Research	National Institutes of Health	Fede	ral PI	\$3,993	60%	\$2,396
Padilla, P	P., Co-PI; Hughes, L., PI; Biological Sciences							
GF1673	Fostering Outstanding Cohorts in Undergraduate Science II	Instruction	National Science Foundation	Fede	ral Co-PI	\$33	33.33%	\$11
Office	f Country and Control to Administration Heimster of	No.44 Tours				Evne	n ditu	andituras Novambar EV

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
Padilla, P	., Co-PI; Burggren, W., PI; Biological Sciences							
GF1736	Epigenetic Inheritance of Physiological Phenotypes: Occurrence, Mechanism and Inter- and Intra-Individual Variation	Research	National Science Foundation	Feder	al Co-PI	\$10,836	40%	\$4,334
GF30004	Regulation of Mitochondrial Functions by Iron and Ceramides in C. elegans	Research	National Science Foundation	Feder	al PI	\$7,971	100%	\$7,971
	Totals for	Padilla,Pamela A						\$14,712
Roberts,	Aaron Patrick							
Roberts, A	, PI; Burggren, W., Co-PI; Crossley II, D., Co-PI; Mager, I	E., Co-PI; Biologica	al Sciences					
GP10002	Relationship of Effects of Cardiac Outcomes in fish for Validation of Ecological Risk-II (RECOVER-II)	Research	University of Miami - School of Medici	ine Privat	e PI	\$15,896	25%	\$3,974
	Totals for	Roberts, Aaron Patr	ick					\$3,974
Shah,Jyo	oti							
GF10501	Developing Resistance to Fusarium Head Blight in Wheat	Research	U.S. Department of Agriculture	Feder	al PI	\$3,225	100%	\$3,225
	Totals for	Shah,Jyoti						\$3,225
Shulaev,	Vladimir							
Shulaev, V	V., Co-PI; Mittler, R., PI; Azad, R., Co-PI; Biological Science	es; Azad, R., Co-PI,	Mathematics					
GF1681	Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress	Research	National Science Foundation	Feder	al Co-PI	\$57	29%	\$17
	Totals for	Shulaev,Vladimir						\$17
Thompse	on,Ruthanne							
GP7624	The Dallas Environmental Education Initiative	Instruction	City of Dallas	Privat	e PI	\$36,239	100%	\$36,239
	Totals for	Thompson, Ruthann	ne					\$36,239
Verbeck	IV,Guido Fridolin							
Verbeck I	V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistry	y						
GP00034	Opioid Breathalyzer Proof-of-Concept and Instrument Development	Research	InspectIR Systems, LLC	Priva	e PI	\$503	30%	\$151
Verbeck I	V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistr	y						
GP00036	Characterize Peptides and Material for Novel Foam Construct	Research	NextGen Aquaculture Vancouver Island Inc.	d Privat	e PI	\$3,713	30%	\$1,114
	Totals for	Verbeck IV,Guido I	Fridolin					\$1,265
Vingren,	Jakob Langberg							
Vingren, J	., Co-PI; Mcfarlin, B., PI; Biological Sciences; Mcfarlin, B.,	, PI; Bowman, E., C	Co-PI; Olson, R., Co-PI; Vingren, J., C	Co-PI; Kine	siology, F	Health Promotic	on, & Recreation	ı
GP00026	Does 90-days of Megasporebiotic supplementation reduce on post- prandial responses to a high-fat meal?	Research	Physicians Exclusive, LLC	Privat	e Co-PI	\$139	1.5%	\$2
O.C.C.	f Grants and Contracts Administration, University of N	In wile Towns				Evnanditu	ras November EV	'2019: Page 34 of 4

Project ID	Title	Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
	Totals for	Vingren,Jakob Lang	berg					\$2
Wang,X	iaoqiang							
Wang, X.,	PI; Longo, A., Co-PI; Biological Sciences							
GF2695	UGT Engineering for Detoxifying Anticancer Drug SN-38	Research	National Institutes of Health	Feder	al PI	\$11,461	80%	\$9,169
	Totals for	Wang,Xiaoqiang						\$9,169
	Totals for	Biological Sciences						\$286,464
Chemist	ry							
Bagus,P	aul S							
GF2706	Molecular Mechanisms of Interfacial Reactivity in Near Surface and Extreme Geochemical Environments - Core Level Spectroscoples	Research	Pacific Northwest National Laboratory	Feder	al PI	\$7,333	100%	\$7,333
	Totals for	Bagus,Paul S						\$7,333
Buongio	rno Nardelli,Marco							
Buongior	no Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., Pi	; Physics						
GF40082	AFRL Collaboration Program - Materials and Manufacturing Research	Research	Clarkson Aerospace Corp	Feder	al PI	\$1,471	20%	\$294
Buongior	no Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., Pi	; Physics						
GF4193	Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies	Research	Duke University	Feder	al PI	\$22,529	20%	\$4,506
	Totals for	Buongiorno Nardelli	i,Marco					\$4,800
Cisneros	s,Gerardo Andres							
GF00002	Theory and Simulation of DNA Repair Enzymes; Mechanism, Structure and Function	Research	National Institutes of Health	Feder	al PI	\$20,498	100%	\$20,498
GF50001	The Mechanism and Modulation of 5-Methylcytosine Oxidation by TET Family Enzymes	Research	University of Pennsylvania	Feder	al PI	\$2,939	100%	\$2,939
	Totals for	Cisneros,Gerardo A	ndres					\$23,438
Cundari	i,Thomas Richard							
G73184	Modeling of Catalytic Processes for More Efficient Utilization of Hydrocarbon Resources	Research	U.S. Department of Energy	Feder	al PI	\$4,777	100%	\$4,777
GF1740	Earth-abundant Metal Catalysts for the Functionalization of Strong Carbon-Hydrogen Bonds	Research	National Science Foundation	Feder	al PI	\$3,529	100%	\$3,529

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
GP00032	Analysis of Counterion Effects in Catalysis	Research	Exxon Mobil	Priva	te PI	\$2,712	100%	\$2,712
GP20020	Activation of Light Alkanes by Earth-Abundant Metal-Oxo Catalysts	Research	American Chemical Society	Priva	te PI	\$3,552	100%	\$3,552
	Totals for	Cundari,Thomas R	ichard					\$14,570
D'souza	Francis,							
D'souza,	F., PI; Chemistry; D'souza, F., PI; Materials Science & Eng	gineering						
GF1692	Light Harvesting Nanocarbon-Sensitizer Supramolecules	Research	National Science Foundation	Feder	al PI	\$482	80%	\$386
D'souza,	F., Co-PI; Wang, H., PI; Chemistry; D'souza, F., Co-PI; Ma	aterials Science & Er	ngineering					
GF70013	Extended Porphyrins: Functionalization and Applications in DSS	C Research	U.S. Department of Energy	Feder	al Co-PI	\$7,689	32%	\$2,461
	Totals for	D'souza,Francis						\$2,846
Kelber,	Jeffry A							
GF2686	Doped Boron Carbide Polymers: Fundamental Studies of Novel Class Materials for Enhanced Radiation Detection	Research	Defense Threat Reduction Agency	Feder	al PI	\$17,643	100%	\$17,643
	Totals for	Kelber,Jeffry A						\$17,643
Omary,	Mohammad A							
Omary, M	I., PI; Slaughter III, L., Co-PI; Chemistry; Du, J., Co-PI; M	aterials Science & E	Engineering					
GF40101	Ithildin: Metal-Inorganic Frameworks (MIFs) for Remediation and Sensing of TICs, CWAs and Explosives	Research	Leidos	Feder	al PI	\$17,711	60%	\$10,626
GP7631	Luminescent Metal-Metal Bonded Exiplexes of Closed Shell Coordination Compounds	Research	Robert A. Welch Foundation	Priva	te PI	\$6,822	100%	\$6,822
	Totals for	Omary,Mohammad	l A					\$17,449
Richmo	nd,Michael George							
GP7633	Synthesis and Reactivity Studies of Metal Clusters	Research	Robert A. Welch Foundation	Priva	te PI	\$72	100%	\$72
	Totals for	Richmond, Michael	George					\$72
Slaughte	er III,Legrande Mancel							
Slaughter	·III, L., Co-PI; Omary, M., PI; Chemistry; Du, J., Co-PI; M	laterials Science & E	Engineering					
GF40101	Ithildin: Metal-Inorganic Frameworks (MIFs) for Remediation and Sensing of TICs, CWAs and Explosives	Research	Leidos	Feder	al Co-PI	\$17,711	20%	\$3,542
	Totals for	Slaughter III,Legra	ande Mancel					\$3,542
Verbeck	x IV,Guido Fridolin							

GP00034 O D Verbeck IV, C GP00036 C Wang, Hong Wang, H., PI	I; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Man extended Porphyrins: Functionalization and Applications in DSSC Totals for	Research Research Verbeck IV,Guido				\$503 \$3,713		\$352 \$2,599 \$2,951
Verbeck IV, CGP00036 CGWang, Hong Wang, H., PIGF70013 Ex	Development G., PI; Chemistry; Verbeck IV, G., PI; Biological Science. Characterize Peptides and Material for Novel Foam Construct Totals for 19 19 20 21; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Man Extended Porphyrins: Functionalization and Applications in DSSC Totals for ai	Research Verbeck IV,Guido Derials Science & Ed	NextGen Aquaculture Vancouver Islan Inc. Fridolin ngineering	d Privat				\$2,599
Wang, Hon <i>Wang, H., PI</i> GF70013 E:	Characterize Peptides and Material for Novel Foam Construct Totals for In the second of the second	Research Verbeck IV,Guido I erials Science & En	Inc. Fridolin ngineering		e PI	\$3,713	70%	
Wang,Hong Wang, H., PI GF70013 Ex	Totals for Ig I; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Man Extended Porphyrins: Functionalization and Applications in DSSC Totals for ai	Verbeck IV,Guido le erials Science & El Research	Inc. Fridolin ngineering		e PI	\$3,713	70%	
Wang, H., PI GF70013 Ex	g I; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Man extended Porphyrins: Functionalization and Applications in DSSC Totals for	erials Science & En	ngineering					\$2,951
Wang, H., PI GF70013 Ex	I; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Man extended Porphyrins: Functionalization and Applications in DSSC Totals for	Research						
GF70013 E:	extended Porphyrins: Functionalization and Applications in DSSC Totals for	Research		- 1				
	Totals for		U.S. Department of Energy					
Xia.Zhenha	ai	Wang,Hong		Feder	ıl PI	\$7,689	60%	\$4,614
Xia.Zhenha								\$4,614
Xia, Z., PI; C	Chemistry; Xia, Z., PI; Materials Science & Engineering							
	Vanomanufacturing of High-Performance Graphene-Based Catalytic Electrodes for Renewable Energy Production	Research	National Science Foundation	Federa	al PI	\$10,922	20%	\$2,184
Xia, Z., Co-P	PI; Chemistry; Mukherjee, S., PI; Xia, Z., Co-PI; Material	s Science & Engine	eering					
	Vanomanufacturing Of Hierarchical Metallic Glasses As High- erformance Electrocatalysts	Research	National Science Foundation	Federa	al Co-PI	\$6,152	2%	\$123
Xia, Z., Co-P	PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Mukho	erjee, S., Co-PI; Re	idy III, R., Co-PI; Scharf, T., Co-PI; X	ia, Z., Co-P	I; Young	, М., Со-РІ; Ма	aterials Science	& En
D	Sechnical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling activities	Research	Temple University - Of The Commonwealth System of Higher Education	Feder	al Co-PI	-\$8,829	2%	(\$177)
Xia, Z., Co-P	PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Dahot	re, N., Co-PI; Du, .	J., Co-PI; Mukherjee, S., Co-PI; Reidy	III, R., Co-	PI; Scha	rf, T., Co-PI; Sı	rivilliputhur, S.,	Co-P
M	Pechnical Proposal for Advanced Ballistics Technology: A Mechanisms-based Approach to Designing Materials Systems for Enhanced Dynamic Performance	Research	US Army Research Laboratory	Federa	al Co-PI	\$100,600	1.6%	\$1,610
	·	Xia,Zhenhai						\$3,740
	Totals for	Chemistry						\$102,997
Institute for	r Applied Sciences							
O'Neill II.N	Martin Joseph							
,	., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ro	misetty-Mikler, S.,	Co-PI; Computer Science & Engineer	ring; Tiwari,	C., Co-l	PI; Geography		
GF00007 M	Minimizing Access Disparities in Bio-Emergency Response Planning	Research	National Institutes of Health	_	al Co-PI	\$7,903	25%	\$1,976
O'Neill II. M.	., PI; Institute for Applied Sciences; Mikler, A., Co-PI; Co	omputer Science &	Engineering					
GF40069 L	os Angeles County Department of Public Health Emergency reparedness and Response Program	Public Service	Los Angeles County	Feder	al PI	\$4,903	50%	\$2,452

Project ID	Title		Category	Sponsor	Funding Source	PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
O'Neill II,	M., Co-PI; Institute for Applied Sciences; Mikle	r, A., PI; C	omputer Science &	k Engineering					
GF40080	Development and Deployment of Computational Met Facilitate Response Planning for POD Placement and of Medical Counter Measures From Regional RSS Si in Texas DSHS Region 6/5S	Distribution	Research	Texas Department of State Health Ser	vice Fede	eral Co-PI	\$1,847	50%	\$924
		Totals for	O'Neill II,Martin	Joseph					\$5,351
		Totals for	Institute for Appli	ied Sciences					\$5,351
Mathema	atics								
Azad,Ra	njeev Kumar								
•	 Co-PI; Mathematics; Padilla, P., PI; Azad, R., C	o-PI; Biolo	gical Sciences						
GF00001	Molecular Consequences of Glucose Diet and Altered Species Impacting Oxygen Deprivation Responses	d Ceramide	Research	National Institutes of Health	Fede	eral Co-PI	\$3,993	16%	\$639
Azad, R.,	Co-PI; Mathematics; Jagadeeswaran, P., PI; Aza	ad, R., Co-F	PI; Biological Scie	nces					
GF00011	Zebrafish Thrombopoiesis		Research	National Institutes of Health	Fede	ral Co-PI	\$2,794	4%	\$112
Azad, R.,	Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co	o-PI; Shula	ev, V., Co-PI; Biol	logical Sciences					
GF1681	Ultrafast Omics Reveals Key Players in the Response Abiotic Stress	e of Plants to	Research	National Science Foundation	Fede	eral Co-PI	\$57	11.6%	\$7
Azad, R.,	Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co	-PI; Chen,	F., Co-PI; Biologi	cal Sciences; Boyd, R., Co-PI; Teache	r Education	& Admini	stration; D'Souz	a, N., Co-PI; N	1 echa
GF1734	Biosynthesis, Regulation and Engineering of C-Ligni	n	Research	National Science Foundation	Fede	ral Co-PI	\$13,408	4%	\$536
		Totals for	Azad,Rajeev Kum	ar					\$1,293
Jimenez	Jaime Enrique								
Jimenez, .	I., PI; Mathematics; Jimenez, J., PI; Kennedy, J.,	Co-PI; Bio	ological Sciences;	Rozzi, R., Co-PI; Philosophy & Religio	on Studies				
GF30033	IRES: Cross-Cutting Interdisciplinary Research and of Ecology and Biocultural Conservation in the Work Sounternmost Forests	_	Research	National Science Foundation	Fede	eral PI	\$26,940	6.8%	\$1,832
		Totals for	Jimenez,Jaime En	rique					\$1,832
Trang,N	am Duc								
GF30055	Descriptive Inner Model Theory, Large Cardinals, and Combinatorics	d	Research	National Science Foundation	Fede	eral PI	\$1,350	100%	\$1,350
		Totals for	Trang,Nam Duc						\$1,350
Urbansk	ci,Mariusz								
GF1697	Thermodynamic Formalism, Dynamics and Dimension	ons	Research	National Science Foundation	Fede	ral PI	-\$459	100%	(\$459)
		Totals for	Urbanski,Mariusz	Z					(\$459)
									(+)

Physics				Source	CU-1 1	This Period	%	Amount
Aouadi,S	Samir M							
Aouadi, S.	, PI; Physics; Aouadi, S., PI; Young, M., Co-PI; Materials S	Science & Engineeri	ing					
GF1708	REU Site: Advanced Processing and Materials Characterization	Research	National Science Foundation	Feder	al PI	-\$502	10%	(\$50)
	Totals for	Aouadi,Samir M						(\$50)
Buongio	rno Nardelli,Marco							
Buongiorn	no Nardelli, M., PI; Physics; Buongiorno Nardelli, M., PI; C	Chemistry						
GF40082	AFRL Collaboration Program - Materials and Manufacturing Research	Research	Clarkson Aerospace Corp	Feder	al PI	\$1,471	80%	\$1,177
Buongiorn	no Nardelli, M., PI; Physics; Buongiorno Nardelli, M., PI; C	Chemistry						
GF4193	Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies	Research	Duke University	Feder	al PI	\$22,529	80%	\$18,023
	Totals for	Buongiorno Nardel	li,Marco					\$19,201
Glass,Ga	ry Alan							
GF50002	Estradiol Regulation of Hypothalamic Astrocyte Glycogen	Research	University of Louisiana at Monroe	Feder	al PI	\$4,414	100%	\$4,414
	Totals for	Glass,Gary Alan						\$4,414
Grigolini	i,Paolo							
GP7634	Ergodicity Breaking in Chemical, Biological and Cooperative Systems	Research	Robert A. Welch Foundation	Priva	te PI	\$6,710	100%	\$6,710
	Totals for	Grigolini,Paolo						\$6,710
Krokhin	,Arkadii							
Krokhin, A	A., Co-PI; Neogi, A., PI; Physics; Choi, T., Co-PI; Materials	s Science & Enginee	ering					
GF30038	GOALI: EFRI NewLaw: Non-Reciprocal Effects and Anderson Localization of Acoustic and Elastic Waves in Periodic Structures with Broken PSymmetry of the Unit Cell	Research	National Science Foundation	Feder	al Co-PI	\$11,848	30%	\$3,554
	Totals for	Krokhin,Arkadii						\$3,554
Lin,Yuai	nkun							
Lin, Y., PI	; Physics; Lin, Y., PI; Electrical Engineering							
GF4228	Low Threshold Lasing and Selective Sensing Devices Based on Organic Dyes Stabilized in Nanopores and Polymer Photonic Crystals	Research	University of Texas at San Antonio	Feder	al PI	-\$2,228	75%	(\$1,671)
		Lin,Yuankun						(\$1,671)
Littler,C	hristopher Leslie							
Littler, C.,	Co-PI; Syllaios, A., PI; Physics							
GF40052	Export Controlled, title removed	Research	DRS Network & Imagining Systems, LI	LC Feder	al Co-PI	-\$4,793	50%	(\$2,396)

Project ID	Title	Category	Sponsor	Funding Source	PI / Co-PI		Recognition %	Recognition Amount
Littler, C.,	, PI; Syllaios, A., Co-PI; Physics							
GF40087	Characterization, Modeling, and Optimization of Cross-Linked Metal Particles for Microbolometers	Research	Washington State University	Federa	al PI	\$6,971	50%	\$3,486
Littler, C.,	, PI; Syllaios, A., Co-PI; Physics							
GP00007	Export Controlled at Award - Title Removed	Research	L-3 Technologies, Inc.	Privat	e PI	\$8,489	100%	\$8,489
	Totals for	Littler,Christopher L	eslie					\$9,578
Neogi,Aı	rup							
Neogi, A.,	PI; Krokhin, A., Co-PI; Physics; Choi, T., Co-PI; Materials	s Science & Engineeri	ing					
GF30038	GOALI: EFRI NewLaw: Non-Reciprocal Effects and Anderson Localization of Acoustic and Elastic Waves in Periodic Structures with Broken PSymmetry of the Unit Cell	Research	National Science Foundation	Federa	al PI	\$11,848	50%	\$5,924
	Totals for	Neogi,Arup						\$5,924
Ordonez	z,Carlos A							
GF1739	Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping	Research	National Science Foundation	Federa	al PI	\$7,355	100%	\$7,355
	Totals for	Ordonez,Carlos A						\$7,355
Roberts,	James Andrew							
GF40057	Texas Regional Collaborative	Instruction	University of Texas at Austin	Federa	al PI	\$4,039	100%	\$4,039
	Totals for	Roberts, James Andre	PW .					\$4,039
Schultz,	David Robert							
GF4222	Energy Deposition in the Upper Atmosphere of Jupiter and Saturn by Energetic Particles: The Polar Aurora	Research	University of Kansas Center for Resear	ch Federa	al PI	\$3,417	100%	\$3,417
	Totals for	Schultz,David Robert						\$3,417
Shemme	er,Ohad							
GF30048	Collaborative Research: Placing High-Redshift Quasars in Perspective: a Gemini Near-Infrared Spectroscopic Survey Collaborative Research: Placing High-Redshift Quasars in Perspective: a Gemini Near-Infrared Spectroscopic Survey	Research	National Science Foundation	Federa	al PI	\$2,943	100%	\$2,943
	Totals for	Shemmer,Ohad						\$2,943
Shiner,D	David C							
GF1694	Precision Laser Studies of Basic Atoms and Nuclei	Research	National Science Foundation	Federa	al PI	\$3,948	100%	\$3,948
	Totals for	Shiner,David C						\$3,948
Syllains	Athanasios John							

Syllation	Recognition Amount	Recognition %	Expended 1 This Period	PI / Co-PI		unding Source	C	Category		Title	Project ID
Syllation A. Co-Pl. Littler C. Pl. Physics Research Washington State University Federal Co-Pl \$6,971 \$0% \$6,971 \$0% \$1,000 \$1,										A., PI; Littler, C., Co-PI; Physics	Syllaios, A
Capacity Characterization, Modeling, and Optimization of Cross-Linked Metal Particles for Microbolumorization of Microbolumorization	(\$2,396)	50%	-\$4,793	l PI	ederal	.C Fed	DRS Network & Imagining Systems, LLC	Research		Export Controlled, title removed	GF40052
Meal Particles for Microbolomerics Syllations Syll										A., Co-PI; Littler, C., PI; Physics	Syllaios, A
Research L3 Technologies, Inc. Private Co-PI \$8.489 0% Totals for T	\$3,486	50%	\$6,971	l Co-PI	ederal	Fed	Washington State University	Research	ss-Linked		GF40087
Totals for Physics Phy										A., Co-PI; Littler, C., PI; Physics	Syllaios, A
Totals for Physical Procession Proce	\$0	0%	\$8,489	e Co-PI	rivate	Priv	L-3 Technologies, Inc.	Research		Export Controlled at Award - Title Removed	GP00007
Admissions Outreach & Recruit U/G Opp Keller,Marian Jean 6300018 Work Study Mentorship Program Pogram Potals for Public Service Recruit U/G Opp 7 Totals for Outreach & Recruit U/G Opp 7 Totals for Outreach & Recruit U/G Opp 7 Totals for Outreach & Recruit U/G Opp 8 Recruit U/G Opp 7 Totals for Outreach & Recruit U/G Opp 8 Recruit U/G Opp 8 Recruit U/G Opp 8 Recruit U/G Opp 8 Recruit U/G Opp 9 Recruit U/G Opp 8 Recruit U/G Opp 9 Recruit U/G Opp 9 Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 8 Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 9 Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Jean Potals for Outreach & Recruit U/G Opp 1 Retain Jean Jean Jean Jean Jean Jean Jean Jea	\$1,089						John	Syllaios, Athanasios J	Totals for		
Admission	\$70,452							Physics	Totals for		
College Foundarian Founda	\$472,627							College of Science	Totals for		
Keller, Marian Jean GS00018 Work Study Mentorship Program Public Service Texas Higher Education Coordinating Board Totals for Keller, Marian Jean Totals for Keller, Marian Jean Totals for Marias Dean Totals for Dean's Office Caffrey, Kevin Neal Totals for Caffrey, Kevin Neal Totals for Morth Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Morth Texas Dean's Office Totals for Morth Texas Dean Subject Dean Subj										ions	Admissi
Public Service Texas Higher Education Coordinating State PI \$22,390 100% Board 100% Boar										h & Recruit U/G Opp	Outreach
Board Totals for Keller,Marian Jean Totals for Outreach & Recruit U/G Opp Totals for Admissions Honors College Honors College - Dean's Office Caffrey,Kevin Neal GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office Office of the President Office of the President Office able to President Office able to President Office able to President Office able to President Roe,Lesa Benton										Marian Jean	Keller,N
Totals for Outreach & Recruit U/G Opp Totals for Outreach & Recruit U/G Opp Totals for Outreach & Recruit U/G Opp Totals for Outreach & Recruit U/G Opp Honors College - Dean's Office Caffrey,Kevin Neal	\$22,390	100%	\$22,390	PI	tate	Stat	č	Public Service		Work Study Mentorship Program	GS00018
Honors College Honors College - Dean's Office Caffrey,Kevin Neal GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Honors College - Dean's Office Totals for Honors College - Dean's Office Totals for Honors College - Dean's Office Office of the President Office of the President Roe,Lesa Benton	\$22,390							Keller,Marian Jean	Totals for		
Honors College Honors College - Dean's Office Caffrey,Kevin Neal GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office	\$22,390						t U/G Opp	Outreach & Recruit	Totals for		
Honors College - Dean's Office Caffrey,Kevin Neal GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office	\$22,390							Admissions	Totals for		
Caffrey,Kevin Neal GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office Totals for Honors College Office of the President Office of the President Roe,Lesa Benton										College	Honors
GF20004 The University of North Texas Ronald E. McNair Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office Totals for Office of the President Office of the President Roe,Lesa Benton Instruction U.S. Department of Education Federal PI \$27,112 100% U.S. Department of Education Federal PI \$27,112 100% V.S. Department of Education Federal PI \$27,112 100% President V.S. Department of Education Federal PI \$27,112 100% Prosider PI \$27,1										College - Dean's Office	Honors
Postbaccalaureate Achievement Program, 2018-2022 Totals for Caffrey,Kevin Neal Totals for Honors College - Dean's Office Totals for Honors College Office of the President Office of the President Roe,Lesa Benton										,Kevin Neal	Caffrey,
Totals for Honors College - Dean's Office Totals for Honors College Office of the President Office of the President Roe,Lesa Benton	\$27,112	100%	\$27,112	l PI	ederal	Fed	U.S. Department of Education	Instruction			GF20004
Office of the President Office of the President Roe,Lesa Benton	\$27,112							Caffrey,Kevin Neal	Totals for		
Office of the President Office of the President Roe,Lesa Benton	\$27,112						ean's Office	Honors College - Dea	Totals for		
Office of the President Roe,Lesa Benton	\$27,112							Honors College	Totals for		
Roe,Lesa Benton										f the President	Office of
										f the President	Office of
G70167 Executive Director CPUPC Position Public Service Texas Council of Public University Private PI \$12,581 100%						_				a Benton	Roe,Les
Presidents and Chancellors	\$12,581	100%	\$12,581	e PI	rivate	Priv	Texas Council of Public University Presidents and Chancellors	Public Service		Executive Director CPUPC Position	G70167
Totals for Roe,Lesa Benton	\$12,581							Roe,Lesa Benton	Totals for		

Project ID	Title		Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
		Totals for	Office of the Presiden	it					\$12,581
		Totals for	Office of the Presiden	nt					\$12,581
	Affairs - General Affairs - General								
McGuin	ness,Maureen								
GS00024	Survivor Advocate Initiative		Public Service	Office of Attorney General, Texas	State	PI	\$1,676	100%	\$1,676
		Totals for	McGuinness,Mauree	n					\$1,676
		Totals for	Student Affairs - Gen	eral					\$1,676
		Totals for	Student Affairs - Gen	eral					\$1,676
Student UNT TR	Engagement <i>IO</i>								
Craig,Do	etra Danielle								
GF0616	University of North Texas Student Support Services	TRIO Totals for	Public Service Craig, Detra Danielle	U.S. Department of Education	Feder	al PI	\$27,128	100%	\$27,128 \$27,128
Dean,Ka	aren Rawlings	104415 101	orang, perra pamene						427,12 0
GF20001	UNT HEB Talent Search		Public Service	U.S. Department of Education	Feder	al PI	\$21,762	100%	\$21,762
Malonev	,Beverly Ann	Totals for	Dean,Karen Rawling	s					\$21,762
······································	, Devery 11mi								
GF20000	UNT Talent Search		Public Service	U.S. Department of Education	Feder	al PI	\$26,089	100%	\$26,089
		Totals for	Maloney,Beverly Ann	1					\$26,089
Nelson,T	Cori Lynn								
GF20002	Upward Bound Program		Public Service	U.S. Department of Education	Feder	al PI	\$21,928	100%	\$21,928
		Totals for	Nelson,Tori Lynn						\$21,928
Strong,A	anne								
GF0615	University of North Texas Upward Bound Math and Program	Science	Instruction	U.S. Department of Education	Feder	al PI	-\$166	100%	(\$166)
		Totals for	Strong,Anne						(\$166)
		Totals for	UNT TRIO						\$96,741

Project ID	Title		Category	Sponsor		PI / Co-PI	Expended This Period	Recognition %	Recognition Amount
		Totals for	Student Engagement	t					\$96,741
Toulous	e Graduate School								
Toulous	e Graduate School - Dean's Office								
Oppong	"Joseph R								
GF20005	El Mariachi Autentico: A Study of Musical Machist 0062_Oppong	moGN18-	Research	U.S. Department of Education	Federa	l PI	\$4,558	100%	\$4,558
GF30026	Graduate Research Fellowship Program		Research	National Science Foundation	Federa	l PI	\$7,828	100%	\$7,828
		Totals for	Oppong,Joseph R						\$12,386
		Totals for	Toulouse Graduate S	School - Dean's Office					\$12,386
		Totals for	Toulouse Graduate S	School					\$12,386
Universi	ity Library								
Digital L	Libraries								
Phillips,	Mark Edward								
GF70032	Programmatic Extraction of "Documents" from Wel	o Archives	Research	Institute of Museum and Library Servi	ces Federa	l PI	\$7,257	100%	\$7,257
		Totals for	Phillips,Mark Edwa	rd					\$7,257
		Totals for	Digital Libraries						\$7,257
Special I	Libraries								
Gieringe	er,Morgan Davis								
GP40010	DART Archives Project		Public Service	Dallas Area Rapid Transit	Private	e PI	\$9,013	100%	\$9,013
		Totals for	Gieringer,Morgan D	avis					\$9,013
		Totals for	Special Libraries						\$9,013
Universi	ty Library - General								
Halbert,	Martin Douglas								
	M., OTHER; University Library - General; Char	ndler, Y., PI,	Information Science	?					
GF2694	Library Education for the US-Affiliated Pacific: A I Strengthen the Digital Future of the Pacific (LEAP)		Instruction	Institute of Museum and Library Servi	ces Federa	l Co-PI	\$2,628	25%	\$657
		Totals for	Halbert,Martin Dou	glas					\$657
Hawkins	s,Kevin Scott								
Hawkins,	K., PI; Martin, J., Co-PI; University Library - G	General							
GF2705	Broadening Access to Books on Texas and Oklahor	na	Public Service	National Endowment for the Humaniti	es Federa	l PI	\$617	50%	\$309

Project ID	Title	Category	Sponsor	Funding Source		Expended This Period	Recognition %	Recognition Amount
GP30010	Understanding OA Ebook Usage: Toward a Common Framework	Research	University of Michigan	Priva	te PI	\$477	100%	\$477
	Totals for	Hawkins,Kevin Scott						\$786
Krahme	r,Ana Jean							
Krahmer,	A., Co-PI; Phillips, M., PI; University Library - General							
GF40097	Borderlands Newspaper Digitization Project - Part III	Public Service	Texas State Library and Archives Commission	Feder	al Co-PI	\$3,259	50%	\$1,630
	Totals for	Krahmer,Ana Jean						\$1,630
Martin,	John Edward							
Martin, J.	, Co-PI; Hawkins, K., PI; University Library - General							
GF2705	Broadening Access to Books on Texas and Oklahoma	Public Service	National Endowment for the Humanitie	es Feder	al Co-PI	\$617	50%	\$309
	Totals for	Martin,John Edward						\$309
Phillips,	Mark Edward							
Phillips, A	M., PI; Krahmer, A., Co-PI; University Library - General							
GF40097	Borderlands Newspaper Digitization Project - Part III	Public Service	Texas State Library and Archives Commission	Feder	al PI	\$3,259	50%	\$1,630
GF70014	Texas Digital Newspaper Project, Phase Four	Public Service	National Endowment for the Humanitie	es Feder	al PI	\$6,828	100%	\$6,828
	Totals for	Phillips,Mark Edwar	d					\$8,458
Treat,La	aura Jean							
GF70033	Spotlight on North Texas: Dallas	Public Service	National Endowment for the Humanitie	es Feder	al PI	\$2,145	100%	\$2,145
	Totals for	Treat,Laura Jean						\$2,145
	Totals for	University Library - 0	General					\$13,984
	Totals for	University Library						\$30,253
	ovost Academic Affairs ty IT (UIT)							
Vadapal	lli,Ravi Kumar							
GF40095	NSF I/UCRC Cloud and Autonomic Computing Center IAB Meeting at UNT	Research	Texas Tech University	Feder	al PI	\$797	100%	\$797
	Totals for	Vadapalli,Ravi Kuma	ar					\$797
	Totals for	University IT (UIT)						\$797
	Totals for	Vice Provost Academ	ic Affairs					\$797
		UNT						\$1,729,526