

**Annual Proposals Report FY2015**  
**Research Development and Services, University of North Texas**

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Proposals Total by College	Cumulative FY2014	Cumulative FY2015
<a href="#">College of Arts and Sciences</a>	\$95,843,866	\$90,490,302
<a href="#">College of Business</a>	\$1,976,155	\$1,263,736
<a href="#">College of Education</a>	\$10,509,202	\$9,762,464
<a href="#">College of Engineering</a>	\$74,384,218	\$67,905,929
<a href="#">College of Information</a>	\$5,294,013	\$9,841,617
<a href="#">College of Merchandising, Hospitality and Tourism</a>	\$34,687	\$654,926
<a href="#">College of Music</a>	\$0	\$1,134,861
<a href="#">College of Public Affairs and Community Service</a>	\$9,261,827	\$9,057,415
<a href="#">College of Visual Arts and Design</a>	\$43,012	\$239,018
<a href="#">School of Journalism</a>	\$98,004	\$907,902
<a href="#">Other1</a>	\$30,711,747	\$9,111,463
<b>Grand Total:</b>	<b>\$228,156,731</b>	<b>\$200,369,632</b>

Proposals Total by Category	Cumulative FY2014	Cumulative FY2015
Instruction	\$37,627,032	\$1,923,782
Research	\$187,051,648	\$177,850,475
Public Service	\$3,478,051	\$20,595,375
<b>Grand Total:</b>	<b>\$228,156,731</b>	<b>\$200,369,632</b>

Proposals Total by Source of Funding	Cumulative FY2014	Cumulative FY2015
Federal	\$182,594,568	\$181,470,501
Private	\$37,352,940	\$13,293,298
State	\$8,209,223	\$5,605,833
<b>Grand Total:</b>	<b>\$228,156,731</b>	<b>\$200,369,632</b>

**Note:** 1 "Other" colleges includes UNT Libraries, Honors College, Distributed Learning Support, Facilities, Computing Services, 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.







































File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status	
<i>Buongiorno Nardelli, M., Co-PI; Cundari, T., PI; Bagus, P., Co-PI; Wilson, A., Co-PI; Borden, W., Co-PI; Chemistry; Buongiorno Nardelli, M., Co-PI; Physics</i>												
GN0007241 New	MRI: Acquisition of a Computer Cluster for the Computational Chemistry Program at the University of North Texas	Research	National Science Foundation	Federal	Co-PI	9/1/2015	3	48.50%	4%	\$28,133	Awarded	
<i>Buongiorno Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., PI; Physics</i>												
GN0007271 New	MaterialsSoundMusic: Sonification and Remix of Materials Property Data for Intermedia Installations	Public Service	Materials Research Society Foundation	Foundation	PI	7/1/2015	1	0.00%	20%	\$2,000	Pending	
<i>Buongiorno Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., PI; Physics</i>												
GN0007367 New	MIP: LaMIC Louisiana Materials Innovation Center	Research	Louisiana State University	Federal Flow Thru	PI	9/1/2015	5	48.50%	20%	\$147,934	Pending	
<i>Buongiorno Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., PI; Physics</i>												
GN0007635 New	Mineralogy Genome Project: Extending the AFLOWLIB.org Repository to Geophysical and Environmental Materials	Research	Duke University	Federal Flow Thru	PI	4/1/2015	1.5	48.50%	20%	\$19,999	Awarded	
										Totals for	<b>Buongiorno Nardelli,Marco</b>	<b>\$280,183</b>
<b>Chyan,Oliver M R</b>												
<i>Chyan, O., Co-PI; Chemistry; Choi, W., PI; Materials Science &amp; Engineering; Choi, W., PI; Materials Science &amp; Engineering</i>												
GN0007181 New	Doping and Bandgap Engineering on Scalable Two-dimensional MoS2	Research	National Science Foundation	Federal	Co-PI	7/1/2015	3	48.00%	50%	\$220,836	Declined	
										Totals for	<b>Chyan,Oliver M R</b>	<b>\$220,836</b>
<b>Cundari,Thomas Richard</b>												
GN0004772 Supplement	Center for Enabling New Technologies Through Catalysis (CENTC)	Research	University of Washington	Federal Flow Thru	PI	6/1/2015	1	47.00%	100%	\$188,210	Pending	
GN0004772 Supplement	Center for Enabling New Technologies Through Catalysis (CENTC)	Research	University of Washington	Federal Flow Thru	PI	6/1/2015	1	47.00%	100%	\$65,515	Pending	
GN0007020 New	Earth-abundant Metal Catalysts for the Functionalization of Strong Carbon-Hydrogen Bonds	Research	National Science Foundation	Federal	PI	9/1/2015	3	48.00%	100%	\$361,927	Awarded	

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
<i>Cundari, T., PI; Bagus, P., Co-PI; Wilson, A., Co-PI; Borden, W., Co-PI; Buongiorno Nardelli, M., Co-PI; Chemistry; Buongiorno Nardelli, M., Co-PI; Physics</i>											
GN0007241 New	MRI: Acquisition of a Computer Cluster for the Computational Chemistry Program at the University of North Texas	Research	National Science Foundation	Federal	PI	9/1/2015	3	48.50%	20%	\$140,666	Awarded
<i>Cundari, T., Co-PI; Tenney, S., Co-PI; Xia, Z., Co-PI; Chemistry; Du, J., PI; Xia, Z., Co-PI; Materials Science &amp; Engineering</i>											
GN0007352 New	Material Design Warehouse of Nanostructured Ceramic Catalysts for Energy and Environmental Applications	Research	U.S. Department of Energy	Federal	Co-PI	9/1/2015	4	48.00%	20%	\$2,067,293	Declined
GN0007498 New	Photoassisted Reduction of Carbon Dioxide (PhotoROC)	Research	University of Rochester	Federal Flow Thru	PI	6/1/2016	5	48.50%	100%	\$1,681,883	Pending
			Totals for	<b>Cundari, Thomas Richard</b>						<b>\$4,505,494</b>	
<b>D'souza, Francis</b>											
<i>D'souza, F., PI; Chemistry; D'souza, F., PI; Materials Science &amp; Engineering</i>											
GN0006949 New	Biomimetic Sensitizer-Nanocarbon Hybrids for Solar Hydrogen Production	Research	National Science Foundation	Federal	PI	5/1/2015	3	48.00%	80%	\$239,986	Withdrawn
<i>D'souza, F., PI; Chemistry; D'souza, F., PI; Materials Science &amp; Engineering</i>											
GN0006963 New	Microsecond Transient Spectrometer by Adding an Optical Parametric Amplifier for Excitation Tunability	Research	National Science Foundation	Federal	PI	5/1/2015	1	48.00%	80%	\$75,729	Withdrawn
<i>D'souza, F., PI; Chemistry; D'souza, F., PI; Materials Science &amp; Engineering</i>											
GN0007251 New	Photoinduced Charge Stabilization in Highly Ordered Donor-Acceptor Constructs	Research	Robert A. Welch Foundation	Not for Profit	PI	6/1/2015	3	0.00%	80%	\$156,000	Declined
<i>D'souza, F., PI; Chemistry; D'souza, F., PI; Materials Science &amp; Engineering</i>											
GN0007346 New	Fast 3D Imaging of Deep-Tissue Micro-Events with Super-Resolution	Research	University of Texas at Arlington	Federal Flow Thru	PI	1/1/2016	4	48.50%	80%	\$119,785	Declined
<i>D'souza, F., Co-PI; Chemistry; Kim, H., PI; Mehta, G., Co-PI; Namuduri, K., Co-PI; Electrical Engineering; Vingren, J., Co-PI; Kinesiology, Health Promotion and Recreation; Vingren, J., Co-PI; Biology; D'souza, F., Co-PI; Materials Science &amp; Engineering</i>											
GN0007439 New	CPS: Synergy: A Wearable System for Simultaneous Detection of Nicotine Levels and EKG Abnormalities	Research	National Science Foundation	Federal	Co-PI	1/1/2016	3	48.50%	16%	\$155,788	Declined

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status	
		Totals for	<b>D'souza,Francis</b>								<b>\$747,288</b>	
<b>Golden,Teresa D</b>												
<i>Golden, T., PI; Acree Jr, W., Co-PI; Chemistry; Lewis, A., Co-PI; Criminal Justice</i>												
GN0007139 New	Forensic Science Center of Excellence	Research	State University of New York at Albany	Federal Flow Thru	PI	7/1/2015	5	48.00%	45%	\$448,749	Pending	
GN0007255 New	Chemical Imaging of Bone and Electrosynthesized Biopatites to Probe Substitution Reactions	Research	Robert A. Welch Foundation	Not for Profit	PI	6/1/2015	3	0.00%	100%	\$195,000	Declined	
<i>Golden, T., Co-PI; Youngblood, W., PI; Chemistry</i>												
GN0007510 New	New Strategies for Solar Power Generation Using a Earth-Abundant Low Band-Gap Metal Oxide Semiconductors (Cu2O)	Research	U.S. Agency for International Development	Federal	Co-PI	9/1/2015	2	17.65%	50%	\$99,939	Pending	
		Totals for	<b>Golden,Teresa D</b>								<b>\$743,688</b>	
<b>Kelber,Jeffry A</b>												
GN0006952 New	Collaborative Research: Spintronics Without Spin Injection	Research	National Science Foundation	Federal	PI	5/5/2015	2	48.00%	100%	\$199,902	Awarded	
GN0006966 New	Gamma-Blind Neutron Voltaics with Boron Carbide: Aromatic Composites: Enhanced Direct Detection of Thermal and Non-Thermal Neutrons for Stockpile Stewardship	Research	U.S. Department of Energy	Federal	PI	6/1/2015	3	48.00%	100%	\$900,000	Declined	
GN0007075 New	Thin Film Deposition for Co/BN/Co Magnetic Tunnel Junctions and Related Devices	Research	University of Minnesota	Not for Profit	PI	11/1/2014	0.5	48.00%	100%	\$176,999	Awarded	
GN0007266 New	DMREF: Collaborative Research: 2D+ Dimensional Magnetic Heterostructures	Research	National Science Foundation	Federal	PI	7/1/2015	4	48.50%	100%	\$425,628	Declined	
GN0007366 New	Synergistically Integrated Materials User Network (SIMUN)	Research	California Institute of Technology-Jet Propulsion Laboratory	Federal Flow Thru	PI	8/1/2015	5	48.50%	100%	\$750,000	Pending	

<b>File Number Version</b>	<b>Title</b>	<b>Category</b>	<b>Sponsor</b>	<b>Sponsor Type</b>	<b>PI/ Co-PI</b>	<b>Start Date</b>	<b>Duration in Years</b>	<b>IDC Rate %</b>	<b>Recognition %</b>	<b>Distribution Amount</b>	<b>Current Status</b>
GN0007410 New	EFRI-2DARE: Low-Power, Room-Temperature Spin Devices Based on Epitaxial Heterostructures of 2-D Crystal and Magnetic Oxides	Research	State University of New York at Buffalo	Federal Flow Thru	PI	10/1/2015	4	48.50%	100%	\$399,999	Pending
		Totals for	<b>Kelber,Jeffry A</b>							<b>\$2,852,528</b>	
<b>Omary,Mohammad A</b>											
GN0006380 Supplement	Macromolecular, Supramolecular and/or Nanomolecular Photophysics and Photochemistry of d10 and d8 Complexes	Research	National Science Foundation	Federal	PI	12/1/2014	3	48.00%	100%	\$429,429	Awarded
<i>Omary, M., PI; Youngblood, W., Co-PI; Chemistry</i>											
GN0007324 New	Dopant-Free White OLEDs with High Efficiency, High Stability and Lower Production Cost	Research	U.S. Department of Energy	Federal	PI	8/1/2015	3	48.50%	90%	\$1,350,000	Declined
GN0007336 New	An Intelligent Open Hole Wireline Tool Conveyance System	Research	Texas A & M University System	Not for Profit	PI	3/1/2015	1	48.00%	100%	\$120,000	Pending
GN0007359 New	Advanced Gas Sensing Technology for Space Suits	Research	Intelligent Optical Systems, Inc.	Federal Flow Thru	PI	6/1/2015	1	48.00%	100%	\$31,238	Awarded
		Totals for	<b>Omary,Mohammad A</b>							<b>\$1,930,667</b>	
<b>Petros,Robby Allen</b>											
<i>Petros, R., PI; Chemistry; Mcfarlin, B., PI; Kinesiology, Health Promotion and Recreation; Mcfarlin, B., PI; Biology</i>											
GN0007074 New	Nanoparticle Therapeutics Targeted to c-Met for Treating Gastric Cancers	Research	National Institutes of Health	Federal	PI	7/1/2015	1	48.00%	70%	\$253,960	Pending
		Totals for	<b>Petros,Robby Allen</b>							<b>\$253,960</b>	
<b>Slaughter III,Legrande Mancel</b>											
GN0007257 New	Bonding and Reactivity of Metal Templated Carbene Ligands	Research	Robert A. Welch Foundation	Not for Profit	PI	6/1/2015	3	0.00%	100%	\$195,000	Declined
		Totals for	<b>Slaughter III,Legrande Mancel</b>							<b>\$195,000</b>	

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**Tenney, Samuel Adam**

*Tenney, S., Co-PI; Cundari, T., Co-PI; Xia, Z., Co-PI; Chemistry; Du, J., PI; Xia, Z., Co-PI; Materials Science & Engineering*

GN0007352 New	Material Design Warehouse of Nanostructured Ceramic Catalysts for Energy and Environmental Applications	Research	U.S. Department of Energy	Federal	Co-PI	9/1/2015	4	48.00%	10%	\$1,033,646	Declined
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Totals for **Tenney, Samuel Adam** **\$1,033,646**

**Verbeck IV, Guido Fridolin**

*Verbeck IV, G., Co-PI; Chemistry; Banerjee, R., PI; Collins, P., Co-PI; Young, M., Co-PI; Materials Science & Engineering; Fortier, A., Co-PI; Mechanical & Energy Engineering;*

*Verbeck IV, G., Co-PI; Biology*

GN0007138 New	MRI: Acquisition of a Dual Beam Focused Ion Beam (FIB) / Scanning Electron Microscope (SEM) Instrument for Three Dimensional Multi-Scale Characterization and Micro/Nano-Fabrication	Research	National Science Foundation	Federal	Co-PI	9/1/2015	3	48.50%	10.5%	\$102,900	Pending
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*Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology*

GN0007364 New	Nanomanipulation-Couple to Mass Spectrometry for Direct Organelle Analysis to Explore Lipid Localization Chemistry within Single Adipocytes of Diabetic Cell Cultures	Research	National Institutes of Health	Federal	PI	9/1/2015	3	48.50%	70%	\$311,850	Pending
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*Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology*

GN0007393 New	Development of a Preparative Mass Spectrometry Tool for the Combing of MoxPy Catalyst Suited for the HDS and HDN Reaction	Research	American Chemical Society	Not for Profit	PI	9/1/2016	2	0.00%	70%	\$77,000	Pending
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*Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology*

GN0007459 New	Rapid Determination of Biological Permeability and Receptor Activity of Potential Drug Analogs: Staying Ahead of Clandestine Designer Drug Synthesis	Research	National Institute of Justice	Federal	PI	1/1/2016	2	48.50%	70%	\$250,296	Pending
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*Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology*

GN0007460 New	Raman Spectroscopy with Direct Analyte Probe Nanoextraction (DAPNe) -Coupled to Nanospray Mass Spectrometry for Localized Chemical Analysis of Altered or Redacted Documents and Security Documents	Research	National Institute of Justice	Federal	PI	1/1/2016	2	48.50%	70%	\$279,623	Pending
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File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status	
<i>Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology</i>												
GN0007461 New	Development of a Softlanding Ion Mobility (SLIM) Workstation Matrix Assisted Laser-Desorption Mass Spectrometry (MALDI-MS) for Fingerprint Imaging and Trace Analysis	Research	National Institute of Justice	Federal	PI	1/1/2016	2	48.50%	70%	\$239,590	Pending	
<i>Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology</i>												
GN0007477 New	Single Cell Mass Spectrometry for Metabolite Molecular Imaging in Normal and Tumor Cells for Determination of Markers and Metabolic Mechanisms in Breast Cancer	Research	U.S. Department of Defense- CDMRP	Federal	PI	9/1/2015	3	48.50%	70%	\$383,855	Pending	
<i>Verbeck IV, G., PI; Chemistry; Verbeck IV, G., PI; Biology</i>												
GN0007539 New	Nanomanipulation-Coupled to Mass Spectrometry for Direct Organelle Analysis to Explore Lipid Localization Chemistry within Single Cells of Healthy and Cancerous Breast Cells and Tissues	Research	National Institutes of Health	Federal	PI	1/1/2016	3	48.50%	70%	\$311,850	Pending	
		Totals for	<b>Verbeck IV, Guido Fridolin</b>								<b>\$1,956,963</b>	
<b>Wilson, Angela Kay</b>												
GN0007060 New	Theoretically-Designed Metal-Organic Frameworks: From Gas Separation to Natural Gas Storage	Research	American Chemical Society	Not for Profit	PI	9/1/2015	2	0.00%	100%	\$110,000	Pending	
<i>Wilson, A., Co-PI; Chemistry; Crutsinger, C., PI; Provost; Tsatsoulis, C., Co-PI; John, K., Co-PI; Dean Engineering; Reidy III, R., Co-PI; Materials Science &amp; Engineering</i>												
GN0007112 New	Engaging Male Colleagues as Advocates & Allies for the Advancement of Women Faculty	Research	North Dakota State University	Federal Flow Thru	Co-PI	7/1/2015	2	48.00%	20%	\$14,208	Pending	
<i>Wilson, A., Co-PI; Cundari, T., PI; Bagus, P., Co-PI; Borden, W., Co-PI; Buongiorno Nardelli, M., Co-PI; Chemistry; Buongiorno Nardelli, M., Co-PI; Physics</i>												
GN0007241 New	MRI: Acquisition of a Computer Cluster for the Computational Chemistry Program at the University of North Texas	Research	National Science Foundation	Federal	Co-PI	9/1/2015	3	48.50%	20%	\$140,666	Awarded	
GN0007253 New	Abnormal Signal Cascades	Research	Robert A. Welch Foundation	Not for Profit	PI	6/1/2015	3	0.00%	100%	\$195,001	Declined	
GN0007527 New	NF-kB Activating Kinases and Signaling Cascades	Research	Cancer Prevention and Research Institute of Texas	State	PI	3/1/2016	3	5.26%	100%	\$449,909	Pending	

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
		Totals for	Wilson,Angela Kay							\$909,784	
<b>Xia,Zhenhai</b>											
<i>Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science &amp; Engineering</i>											
GN0006231 New	Collaborative Research: Nanomanufacturing High-Performance Graphene-Based Catalytic Electrocatalysts for Efficient Energy Conversion	Research	National Science Foundation	Federal	PI	7/1/2015	2	48.50%	20%	\$1,000	Awarded
<i>Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science &amp; Engineering</i>											
GN0005458 Supplement	Collaborative Research: Multifunctional Nanocomposites with Reversible Switch and Controlled Release Surfaces	Research	National Science Foundation	Federal	PI	7/1/2015	1	47.00%	20%	\$1,000	Pending
<i>Xia, Z., Co-PI; Chemistry; Mukherjee, S., PI; Xia, Z., Co-PI; Materials Science &amp; Engineering</i>											
GN0006959 New	Nanomanufacturing of High-performance Metallic-Glass Electrocatalysts	Research	National Science Foundation	Federal	Co-PI	7/1/2015	3	48.00%	10%	\$29,664	Declined
<i>Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science &amp; Engineering</i>											
GN0007148 New	DMREF: Collaborative Research: Computation-Guided and Bio-Inspired Synthetic Strategies for Tunable 2D Covalent Organic Frameworks	Research	National Science Foundation	Federal	PI	9/1/2015	4	48.50%	20%	\$119,578	Pending
<i>Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science &amp; Engineering</i>											
GN0007283 New	Collaborative Research: 3D Nanoarchitected Metal-free Bifunctional Catalysts for Oxygen Reduction and Evolution	Research	National Science Foundation	Federal	PI	7/1/2015	3	48.00%	20%	\$47,735	Pending
<i>Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science &amp; Engineering</i>											
GN0007292 New	Collaborative Research: Fragmented Single-walled Carbon Nanotube Meshes as Efficient Adhesive Conductors for Battery Application	Research	National Science Foundation	Federal	PI	6/1/2015	3	48.00%	20%	\$47,735	Declined
<i>Xia, Z., Co-PI; Cundari, T., Co-PI; Tenney, S., Co-PI; Chemistry; Du, J., PI; Xia, Z., Co-PI; Materials Science &amp; Engineering</i>											
GN0007352 New	Material Design Warehouse of Nanostructured Ceramic Catalysts for Energy and Environmental Applications	Research	U.S. Department of Energy	Federal	Co-PI	9/1/2015	4	48.00%	4%	\$413,459	Declined

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
<i>Xia, Z., Co-PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Xia, Z., Co-PI; Materials Science &amp; Engineering; Ju, J., Co-PI; Mechanical &amp; Energy Engineering</i>											
GN0007424 New	Rapid Design and Development of Alloys Optimized for Powder Based Additive Manufacturing using ICME Methodology	Research	America Makes	Industry	Co-PI	7/10/2015	1.4	48.50%	4%	\$17,193	Pending
	Totals for		<b>Xia,Zhenhai</b>							<b>\$677,363</b>	
<b>Youngblood,William Justin</b>											
GN0007022 New	SusChEM: Studying Photogalvanic Electron Transfer Dynamics via Rational Design of Molecular Probes	Research	National Science Foundation	Federal	PI	9/1/2015	3	48.00%	100%	\$310,118	Declined
GN0007155 New	Photogalvanic Molecular Probes: Measuring the Driving Force Dependence of Electron Transfer at Dye/Semiconductor Interfaces	Research	U.S. Department of Energy	Federal	PI	9/1/2015	3	48.50%	100%	\$450,042	Declined
GN0007252 New	Physicochemical Consequences of Nitrogen-for-Carbon Substitution in Di-Azolylmethene Dyes	Research	Robert A. Welch Foundation	Not for Profit	PI	6/1/2015	3	0.00%	100%	\$195,000	Declined
<i>Youngblood, W., Co-PI; Omary, M., PI; Chemistry</i>											
GN0007324 New	Dopant-Free White OLEDs with High Efficiency, High Stability and Lower Production Cost	Research	U.S. Department of Energy	Federal	Co-PI	8/1/2015	3	48.50%	10%	\$150,000	Declined
GN0007338 New	Synthesis and Properties of Novel Di-Azolylmethene Dyes as Photo-Theranostic Agents	Research	National Institutes of Health	Federal	PI	9/1/2015	2	48.50%	100%	\$141,549	Pending
GN0007401 New	Physicochemical Consequences of Nitrogen-for-Carbon Substitution in Di-Azolylmethene Dyes	Research	American Chemical Society	Not for Profit	PI	9/1/2016	1	0.00%	100%	\$110,000	Pending
<i>Youngblood, W., PI; Golden, T., Co-PI; Chemistry</i>											
GN0007510 New	New Strategies for Solar Power Generation Using a Earth-Abundant Low Band-Gap Metal Oxide Semiconductors (Cu2O)	Research	U.S. Agency for International Development	Federal	PI	9/1/2015	2	17.65%	50%	\$99,939	Pending
	Totals for		<b>Youngblood,William Justin</b>							<b>\$1,456,648</b>	
	Totals for		<b>Chemistry</b>							<b>\$18,145,102</b>	

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### Economics

#### Nieswiadomy, Michael Louis

*Nieswiadomy, M., Co-PI; Economics; Pan, F., PI; Geography*

GN0007468 New	A Soil Moisture-Based Irrigation Scheduling Tool for Improving Water Use Efficiency in the Texas High Plains Region	Research	U.S. Department of Agriculture	Federal	Co-PI	10/1/2015	3	48.50%	30%	\$78,183	Declined
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Totals for **Nieswiadomy, Michael Louis** **\$78,183**

Totals for **Economics** **\$78,183**

### English

#### Rodriguez, Jaime Javier

GN0006941 New	Texas Mexican American Contexts: A Digital Humanities Evaluation Project	Research	National Endowment for the Humanities	Federal	PI	6/1/2015	1.6	48.00%	100%	\$29,896	Declined
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Totals for **Rodriguez, Jaime Javier** **\$29,896**

Totals for **English** **\$29,896**

### Geography

#### Ahmed, Waquar

GN0007541 New	Political Economy of Foreign Direct Investments in Retail in India: The Case of Walmart	Research	Institute for Human Geography	Not for Profit	PI	8/1/2015	1	31.50%	100%	\$5,000	Awarded
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*Ahmed, W., PI; Chatterjee, I., Co-PI; Geography*

GN0007605 New	Examining Globalization Through Foreign Direct Investments, State-Society Relations and Social Movements: Walmart in India	Research	National Science Foundation	Federal	PI	4/1/2016	1	48.50%	51%	\$50,754	Pending
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Totals for **Ahmed, Waquar** **\$55,754**

#### Chatterjee, Ipsita

*Chatterjee, I., Co-PI; Ahmed, W., PI; Geography*

GN0007605 New	Examining Globalization Through Foreign Direct Investments, State-Society Relations and Social Movements: Walmart in India	Research	National Science Foundation	Federal	Co-PI	4/1/2016	1	48.50%	49%	\$48,764	Pending
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Totals for **Chatterjee, Ipsita** **\$48,764**

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
<b>Hunter,Bruce Allan</b>											
<i>Hunter, B., Co-PI; Geography; Kennedy, J., PI; Philosophy &amp; Religion Studies</i>											
GN0007619 New	Bioassessment and Habitat Monitoring Study on the Receiving Waters of DFW Airport Phase II	Research	DFW International Airport Board	Industry	Co-PI	8/1/2015	1.2	31.50%	40%	\$35,060	Awarded
		Totals for	<b>Hunter,Bruce Allan</b>							<b>\$35,060</b>	
<b>Nagaoka,Lisa A</b>											
<i>Nagaoka, L., Co-PI; Wolverson, S., PI; Geography; Johnson, J., Co-PI; Biology</i>											
GN0007156 New	Genetic Analysis of Late Holocene Guanaco Exploitation in Western Argentina	Research	National Science Foundation	Federal	Co-PI	9/1/2015	1	48.50%	20%	\$10,499	Declined
<i>Nagaoka, L., Co-PI; Wolverson, S., PI; Geography; Johnson, J., Co-PI; Biology</i>											
GN0007615 New	Genetic Analysis of Late Holocene Guanaco Exploitation by Hunter-Gatherers in Western Argentina	Research	National Science Foundation	Federal	Co-PI	1/1/2016	1	48.50%	20%	\$12,522	Pending
		Totals for	<b>Nagaoka,Lisa A</b>							<b>\$23,022</b>	
<b>Oppong,Joseph R</b>											
GN0007358 New	Reducing Injury Mortality in Sub-Saharan Africa Using Mobile Technology	Research	University of Texas Southwestern Medical	Federal Flow Thru	PI	9/1/2015	2	48.50%	100%	\$45,243	Pending
		Totals for	<b>Oppong,Joseph R</b>							<b>\$45,243</b>	
<b>Pan,Feifei</b>											
<i>Pan, F., PI; Geography; Nieswiadomy, M., Co-PI; Economics</i>											
GN0007468 New	A Soil Moisture-Based Irrigation Scheduling Tool for Improving Water Use Efficiency in the Texas High Plains Region	Research	U.S. Department of Agriculture	Federal	PI	10/1/2015	3	48.50%	70%	\$182,428	Declined
		Totals for	<b>Pan,Feifei</b>							<b>\$182,428</b>	
<b>Ponette,Alexandra Gisela</b>											
<i>Ponette, A., PI; Geography; Glass, G., Co-PI; Physics</i>											
GN0007012 New	Collaborative Research: Dust Sources, Sinks, and Ecosystem Interactions Along an Ecoclimatic Gradient	Research	National Science Foundation	Federal	PI	9/1/2015	2	48.50%	75%	\$204,530	Declined

File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
GN0007601 New	CAREER: Intra-Urban Variability in Black Carbon: Deposition: Rates, Pathways, and Determinants	Research	National Science Foundation	Federal	PI	6/1/2016	5	48.50%	100%	\$506,729	Pending
		Totals for	<b>Ponette,Alexandra Gisela</b>							<b>\$711,259</b>	
<b>Tiwari,Chetan</b>											
<i>Tiwari, C., Co-PI; Geography; Mikler, A., PI; Computer Science &amp; Engineering</i>											
GN0007522 New	Developing Computational Methods To Explore Feasible Strategies For The Timely Distribution Of Medical Countermeasures From Regional RSS Sites To PODs	Research	Texas Department of State Health Service	State	Co-PI	7/1/2015	1	48.00%	30%	\$62,061	Pending
		Totals for	<b>Tiwari,Chetan</b>							<b>\$62,061</b>	
<b>Williams,Harry F L</b>											
GN0007638 New	Holocene Climatic Changes and Tropical Cyclone Variability in the Gulf of Thailand	Research	National Science Foundation	Federal	PI	5/1/2016	1	48.50%	100%	\$57,274	Pending
		Totals for	<b>Williams,Harry F L</b>							<b>\$57,274</b>	
<b>Wolverton,Steven John</b>											
<i>Wolverton, S., PI; Nagaoka, L., Co-PI; Geography; Johnson, J., Co-PI; Biology</i>											
GN0007156 New	Genetic Analysis of Late Holocene Guanaco Exploitation in Western Argentina	Research	National Science Foundation	Federal	PI	9/1/2015	1	48.50%	40%	\$20,998	Declined
<i>Wolverton, S., PI; Nagaoka, L., Co-PI; Geography; Johnson, J., Co-PI; Biology</i>											
GN0007615 New	Genetic Analysis of Late Holocene Guanaco Exploitation by Hunter-Gatherers in Western Argentina	Research	National Science Foundation	Federal	PI	1/1/2016	1	48.50%	40%	\$25,045	Pending
		Totals for	<b>Wolverton,Steven John</b>							<b>\$46,043</b>	
		Totals for	<b>Geography</b>							<b>\$1,266,908</b>	

### History

#### Wallach,Jennifer Jensen

*Wallach, J., PI; Wise, M., Co-PI; History*

GN0007099 New	A Cultural History of the Standard American Diet	Research	National Endowment for the Humanities	Federal	PI	2/1/2016	2.9	48.50%	50%	\$31,893	Declined
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File Number Version	Title	Category	Sponsor	Sponsor Type	PI/ Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Current Status
		Totals for	<b>Wallach,Jennifer Jensen</b>							<b>\$31,893</b>	
<b>Wise,Michael David</b>											
<i>Wise, M., Co-PI; Wallach, J., PI; History</i>											
GN0007099 New	A Cultural History of the Standard American Diet	Research	National Endowment for the Humanities	Federal	Co-PI	2/1/2016	2.9	48.50%	50%	\$31,893	Declined
		Totals for	<b>Wise,Michael David</b>							<b>\$31,893</b>	
		Totals for	<b>History</b>							<b>\$63,786</b>	
<b>International Studies</b>											
<b>Sahliyah,Emile F</b>											
GN0007419 New	Through the Lens of Jordan: Integrating Middle Eastern Narratives into North Texas Social Studies Curriculum	Instruction	U.S. Department of Education	Federal	PI	9/1/2015	1.6	0.00%	100%	\$85,155	Awarded
		Totals for	<b>Sahliyah,Emile F</b>							<b>\$85,155</b>	
		Totals for	<b>International Studies</b>							<b>\$85,155</b>	
<b>Mathematics</b>											
<b>Azad,Rajeev Kumar</b>											
<i>Azad, R., Co-PI; Mathematics; Azad, R., PI; Biology</i>											
GN0006819 New	Unraveling Bacterial Virulence Through Genome Analysis	Research	National Institutes of Health	Federal	PI	7/1/2015	3	48.00%	40%	\$177,027	Pending
<i>Azad, R., Co-PI; Mathematics; Mittler, R., PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Biology</i>											
GN0006877 New	Molecular and Physiology Omics Core	Research	University of California San Diego	Federal Flow Thru	Co-PI	7/1/2015	4	48.00%	10%	\$271,835	Pending
<i>Azad, R., Co-PI; Mathematics; Ayre, B., PI; Azad, R., Co-PI; Biology</i>											
GN0006971 New	Regulation of the Balance Between Vegetative and Reproductive Growth in Complex Sympodial Plants: Applying the Tomato Model to Cotton	Research	US Israel Binational Agricultural Research & Development- BARD	Foreign	Co-PI	8/1/2015	3	20.00%	10%	\$18,000	Pending
<i>Azad, R., Co-PI; Mathematics; Padilla, P., PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Mcfarlin, B., Co-PI; Biology; Mcfarlin, B., Co-PI; Kinesiology, Health Promotion and Recreation</i>											
GN0007027 New	Genetic Lipidomic Analysis of Metabolically Induced Oxygen Deprivation Sensitivity in <i>C. elegans</i> and Humans	Research	National Institutes of Health	Federal	Co-PI	6/1/2015	5	48.00%	8%	\$145,528	Pending

<b>File Number Version</b>	<b>Title</b>	<b>Category</b>	<b>Sponsor</b>	<b>Sponsor Type</b>	<b>PI/ Co-PI</b>	<b>Start Date</b>	<b>Duration in Years</b>	<b>IDC Rate %</b>	<b>Recognition %</b>	<b>Distribution Amount</b>	<b>Current Status</b>
<i>Azad, R., Co-PI; Mathematics; Dixon, R., PI; Mittler, R., Co-PI; Azad, R., Co-PI; Biology</i>											
GN0007223 New	A Systems Analysis of Above-and Below-Ground Responses to Abiotic Stress in Genetically improved switchgrass ( <i>Panicum Virgatum</i> ).	Research	U.S. Department of Energy	Federal	Co-PI	9/1/2015	4	48.50%	12%	\$514,297	Declined
<i>Azad, R., Co-PI; Mathematics; Azad, R., PI; Biology</i>											
GN0007274 New	Understanding the Genome of Otophthogenic <i>Pseudomonas Aeruginosa</i>	Research	University of Miami - School of Medicine	Federal Flow Thru	PI	9/1/2015	2	48.50%	40%	\$23,746	Pending
<i>Azad, R., Co-PI; Mathematics; Azad, R., PI; Biology</i>											
GN0007275 New	Epigenetic Mechanisms of BDNF Expression, Neuronal Repair and Regeneration	Research	University of Texas at Arlington	Federal Flow Thru	PI	9/1/2015	5	48.50%	40%	\$31,532	Pending
<i>Azad, R., Co-PI; Mathematics; Wang, X., PI; Dixon, R., Co-PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Biology</i>											
GN0007277 New	Structural and Functional Studies of Plant UGTs for Engineering of Natural Products	Research	National Institutes of Health	Federal	Co-PI	10/1/2015	5	48.50%	10%	\$299,798	Pending
<i>Azad, R., PI; Mathematics; Azad, R., PI; Biology</i>											
GN0007418 New	Collaborative Research: HapToLife: Genomic Framework for Understanding the Phylogeny and Evolution of Haptophyta	Research	National Science Foundation	Federal	PI	1/1/2016	4	48.50%	40%	\$113,820	Declined
<i>Azad, R., Co-PI; Mathematics; Ayre, B., PI; Azad, R., Co-PI; Biology</i>											
GN0007469 New	How Does the Balance of Florigen and Antiflorigen Influence Architectural Gene Networks in Crop Plants? Research and Application in Cotton	Research	National Institute of Food and Agriculture	Federal	Co-PI	2/1/2016	4	42.86%	10%	\$49,999	Pending
<i>Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Biology</i>											
GN0007523 New	Regulation of Cell Survival and Death Pathways by 2Fe-2S NEET Proteins	Research	National Institutes of Health	Federal	Co-PI	4/1/2016	5	48.50%	6%	\$114,332	Pending
<i>Azad, R., PI; Mathematics; Azad, R., PI; Biology</i>											
GN0007528 New	Roles of Histone Methylase MLL1 in Hypoxia Signaling in Leukemia	Research	University of Texas at Arlington	State Flow Thru	PI	3/1/2016	4	5.26%	40%	\$90,666	Pending
<i>Azad, R., Co-PI; Mathematics; Shulaev, V., PI; Azad, R., Co-PI; Dixon, R., Co-PI; Wang, X., Co-PI; Biology</i>											
GN0007544 New	Research-PGR: Clustering of Plant Metabolic Pathways: From Genome to Metabolon	Research	National Science Foundation	Federal	Co-PI	1/1/2016	5	48.50%	10%	\$222,759	Pending







































































































































































































