

Monthly Proposals Report for November 2010
Research Development and Services, University of North Texas

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Proposals Total by College	November 2009	November 2010	YTD FY2010	YTD FY2011
College of Arts and Sciences	\$3,361,776	\$6,189,217	\$31,575,853	\$24,377,911
College of Business			\$100,000	\$154,474
College of Education	\$307,740	\$579,100	\$2,090,959	\$9,605,806
College of Engineering	\$1,795,590	\$2,884,084	\$6,222,242	\$10,677,203
College of Information	\$967,154	\$1,648,249	\$3,101,423	\$4,698,243
College of Music		\$149,698	\$67,292	\$149,698
College of Public Affairs and Community Service	\$116,828		\$1,212,374	\$1,287,611
College of Visual Arts and Design		\$36,040	\$324,067	\$181,787
School of Journalism	\$111,838		\$111,838	
School of Merchandising and Hospitality Management			\$59,986	
Other ¹	\$466,090		\$638,826	
UNT Dallas Campus		\$124,644		\$124,644
UNT System			\$260,500	
Grand Total:	\$7,127,016	\$11,611,031	\$45,765,361	\$51,257,378

Proposals Total by Category

Instruction		\$9,977		\$1,304,037
Research	\$4,884,106	\$11,601,054	\$36,782,427	\$49,858,320
Public Service	\$1,842,910		\$8,582,934	\$70,175
Other ²	\$400,000		\$400,000	\$24,847
Grand Total:	\$7,127,016	\$11,611,031	\$45,765,361	\$51,257,378

Proposals Total by Source of Funding

Federal	\$5,121,454	\$11,365,038	\$40,301,520	\$47,366,779
Private	\$820,576	\$236,016	\$3,484,508	\$2,284,941
State	\$1,184,986	\$9,977	\$1,979,333	\$1,605,658
Grand Total:	\$7,127,016	\$11,611,031	\$45,765,361	\$51,257,378

Notes:

- 1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Director Risk Management, Honors College and Outreach & Community Involvement
- 2 Other categories include Academic Support, Student Services, Institutional Support, Scholarships and Fellowships

Proposals November, FY 2011

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
<i>UNT Denton</i>												
<i>College of Arts & Sciences</i>												
<i>Biology</i>												
Ayre,Brian G												
GN0004132	BREAD: Modification of Cassava Growth Habit for Stronger Sink Strength and Increased Nutrient Uptake	R	Donald Danforth Plant Science Center	FEDF	47.074	PI	9/1/2011	3	47	100%	\$230,055	Pending
<i>Ayre, B., Co-PI; Shulaev, V., Co-PI; Biology; D'Souza, N., PI; Materials Science & Engineering</i>												
GN0004133	Biomass to Bioproducts	R	Colorado School of Mines	FEDF	10.001	Co-PI	3/1/2011	3	0	25%	\$337,777	Pending
Totals for Ayre,Brian G											\$567,832	
Chapman,Kent D												
GN0004131	Amidase-Mediated Modulation of the N-Acylethanolamine (NAE) Signaling Pathway in Plants	R	U.S. Department of Energy	FED	81.049	PI	6/1/2011	3	47	100%	\$755,896	Pending
Totals for Chapman,Kent D											\$755,896	
Dong,Qunfeng												
GN0004136	Role of Urogenital Microbial Communities in Male Urethritis and Symptoms of STI	R	Indiana University School of Medicine	FEDF	93.847	PI	7/1/2011	5	47	100%	\$500,736	Pending
Totals for Dong,Qunfeng											\$500,736	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
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Shulaev, Vladimir

Shulaev, V., Co-PI; Ayre, B., Co-PI; Biology; D'Souza, N., PI; Materials Science & Engineering

GN0004133	Biomass to Bioproducts	R	Colorado School of Mines	FEDF	10.001	Co-PI	3/1/2011	3	0	25%	\$337,777	Pending
Totals for Shulaev, Vladimir											\$337,777	

Wolfe, Lori Jennie

GN0004153	Texas Teratogen Information Service	R	Texas Department of State Health Services	FEDF	93.11	PI	1/1/2011	0.7	0	100%	\$107,630	Pending
Totals for Wolfe, Lori Jennie											\$107,630	
Totals for Biology											\$2,269,871	

Chemistry

Bagus, Paul S

GN0004198	Electrocatalysis by Metalloporphyrins Co-deposited on HOPG with Transition Metal Oxides	R	National Science Foundation	FED	47.049	PI	5/1/2011	3	47	100%	\$88,489	Pending
Totals for Bagus, Paul S											\$88,489	

Cundari, Thomas Richard

GN0004129	Modeling of Late Transition Metal Catalysts for Energy Applications	R	U.S. Department of Energy	FED	81.049	PI	5/15/2011	3	47	100%	\$325,560	Pending
Totals for Cundari, Thomas Richard											\$325,560	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
Golden,Teresa D												
<i>Golden, T., PI; Verbeck, G., Co-PI; Chemistry</i>												
GN0004157	Metal Study and Analysis of Electrosynthesized Hydroxyapatite and Bone Tissues by Newly Developed LA-ICP-MS Techniques	R	National Science Foundation	FED	47.049	PI	6/1/2011	2	47	75%	\$173,991	Pending
Totals for Golden,Teresa D											\$173,991	
Mason,Diana S												
<i>Mason, D., Co-PI; Chemistry; Sherman, K., PI; Teach North Texas</i>												
GN0004167	How to Incorporate the College & Career Readiness Standards into a Science 5E Lesson Plan: Application by Pre-Service High School Science Teachers	I	Texas A&M University Corpus Christi	STF		Co-PI	1/1/2011	1	0	50%	\$4,988	Pending
<i>Mason, D., PI; Chemistry; Lin, L., Co-PI; Learning Technologies</i>												
GN0004007	Understanding Links Between Online Games Targeting Visual Attention Capacity and the Problem-Solving Ability of General Chemistry Students	R	National Science Foundation	FED	47.049	PI	7/1/2011	3	47	50%	\$662,099	Pending
Totals for Mason,Diana S											\$667,087	
Omary,Mohammad A												
GN0004208	Low-Dimensional Phosphorescent Transition Metal Complexes: Toward Sensitization of Photoinduced Electron Transfer via Intermolecular Interactions	R	National Science Foundation	FED	47.049	PI	7/1/2011	3	47	100%	\$564,586	Pending
Totals for Omary,Mohammad A											\$564,586	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
Verbeck,Guido												
<i>Verbeck, G., Co-PI; Golden, T., PI; Chemistry</i>												
GN0004157	Metal Study and Analysis of Electrosynthesized Hydroxyapatite and Bone Tissues by Newly Developed LA-ICP-MS Techniques	R	National Science Foundation	FED	47.049	Co-PI	6/1/2011	2	47	25%	\$57,997	Pending
GN0004146	Development of a Preparative Mass Spectrometry Tool for the Combing of MoxPy Catalyst Suited for the HDS and HDN Reaction	R	American Chemical Society	NFP		PI	9/1/2011	2	0	100%	\$99,976	Pending
Totals for Verbeck,Guido											\$157,973	
Wilson,Angela Kay												
GN0004127	Quantitative Prediction Across the Periodic Table	R	National Science Foundation	FED	47.049	PI	6/15/2011	3	47	100%	\$483,027	Pending
Totals for Wilson,Angela Kay											\$483,027	
Youngblood,William Justin												
GN0004093	Investigation of Acceptor-Sensitizers for Oxide Semiconductors in Excitonic Solar Cells	R	American Chemical Society	NFP		PI	9/1/2011	2	0	100%	\$100,000	Pending
Totals for Youngblood,William Justin											\$100,000	
Totals for Chemistry											\$2,560,714	
Physics												
Neogi,Arup												
GN0004117	Electromagnetically Controlled Tunable Phononic Crystals Using Smart Gels	R	National Science Foundation	FED	47.049	PI	6/1/2011	3	47	100%	\$378,594	Pending
Totals for Neogi,Arup											\$378,594	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
Perez,Jose												
GN0004115	Modification of Mono-Layer and Few-Layer Graphene using Electron Irradiation of Adsorbates	R	National Science Foundation	FED	47.049	PI	9/1/2011	3	47	100%	\$279,422	Pending
Totals for Perez,Jose											\$279,422	
Philipose,Usha												
GN0004094	Magnetism in Group II-VI Nanowires: Understanding the Physics for Device Applications	R	National Science Foundation	FED	47.049	PI	1/1/2011	3	47	100%	\$173,812	Pending
Totals for Philipose,Usha											\$173,812	
Shemmer,Ohad												
GN0004067	Weak Line Quasars at High Redshift: Extremely High Accretion Rates or Anemic Broad-line Regions?	R	National Science Foundation	FED	47.049	PI	9/1/2011	3	47	100%	\$372,118	Pending
Totals for Shemmer,Ohad											\$372,118	
Totals for Physics											\$1,203,946	
Speech & Hearing Sciences												
Gopal,Kamakshi V												
<i>Gopal, K., Co-PI; Speech & Hearing Sciences; Huang, Y., PI; Computer Science & Engineering; Vaidyanathan, V., Co-PI; Electrical Engineering; Chesky, K., Co-PI; Music Instrumental Studies</i>												
GN0004173	SoCS: Persuasive Design to Reduce Music Induced Hearing Loss	R	National Science Foundation	FED	47.07	Co-PI	9/1/2011	3	47	20%	\$149,698	Pending
Totals for Gopal,Kamakshi V											\$149,698	
Totals for Speech & Hearing Sciences											\$149,698	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
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Teach North Texas

Sherman, Kristin Mary

Sherman, K., PI; Teach North Texas; Mason, D., Co-PI; Chemistry

GN0004167	How to Incorporate the College & Career Readiness Standards into a Science 5E Lesson Plan: Application by Pre-Service High School Science Teachers	I	Texas A&M University Corpus Christi	STF		PI	1/1/2011	1	0	50%	\$4,988	Pending
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Totals for **Sherman, Kristin Mary** **\$4,988**

Totals for **Teach North Texas** **\$4,988**

Totals for **College of Arts & Sciences** **\$6,189,217**

College of Education

Educational Psychology

Rinn, Anne Nicole

GN0004168	The Influence of Educational Climate on College Women's Attrition from STEM Fields	R	Texas A&M Research Foundation	FEDF	47.076	PI	10/1/2010	2.3	47	100%	\$93,384	Awarded
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Totals for **Rinn, Anne Nicole** **\$93,384**

Tyler-Wood, Tandra L

Tyler-Wood, T., Co-PI; Educational Psychology; Knezek, G., PI; Christensen, R., Co-PI; Learning Technologies;

GN0004143	Indicators of Student Interest in Science, Technology, Engineering, and Mathematics (STEM)	R	National Science Foundation	FED	47.076	Co-PI	9/1/2011	3	47	33%	\$485,715	Pending
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Totals for **Tyler-Wood, Tandra L** **\$485,715**

Totals for **Educational Psychology** **\$579,100**

Totals for **College of Education** **\$579,100**

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
College of Engineering												
Computer Science & Engineering												
Brazile,Robert P												
<i>Brazile, R., Co-PI; Swigger, K., PI; Computer Science & Engineering</i>												
GN0004166	A Study of Temporal Factors Affecting Distributed Teams	R	National Science Foundation	FED	47.041	Co-PI	8/1/2011	2	47	50%	\$124,952	Pending
Totals for Brazile,Robert P											\$124,952	
Huang,Yan												
<i>Huang, Y., PI; Computer Science & Engineering; Gopal, K., Co-PI; Speech & Hearing Sciences; Vaidyanathan, V., Co-PI; Electrical Engineering; Chesky, K., Co-PI; Music Instrumental Studies</i>												
GN0004173	SoCS: Persuasive Design to Reduce Music Induced Hearing Loss	R	National Science Foundation	FED	47.07	PI	9/1/2011	3	47	40%	\$299,396	Pending
Totals for Huang,Yan											\$299,396	
Mihalcea,Rada Flavia												
GN0004142	Collaborative Research: Innovation through Collective Behavior - Motivation and Participation in Social Computational Systems	R	National Science Foundation	FED	47.07	PI	6/1/2011	3	47	100%	\$179,918	Pending
Totals for Mihalcea,Rada Flavia											\$179,918	
Swigger,Kathleen M												
<i>Swigger, K., PI; Brazile, R., Co-PI; Computer Science & Engineering</i>												
GN0004166	A Study of Temporal Factors Affecting Distributed Teams	R	National Science Foundation	FED	47.041	PI	8/1/2011	2	47	50%	\$124,952	Pending
Totals for Swigger,Kathleen M											\$124,952	
Totals for Computer Science & Engineering											\$729,218	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
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Electrical Engineering

Vaidyanathan,Vijay V

Vaidyanathan, V., Co-PI; Electrical Engineering; Huang, Y., PI; Computer Science & Engineering; Gopal, K., Co-PI; Speech & Hearing Sciences; Chesky, K., Co-PI; Music Instrumental Studies

GN0004173	SoCS: Persuasive Design to Reduce Music Induced Hearing Loss	R	National Science Foundation	FED	47.07	Co-PI	9/1/2011	3	47	20%	\$149,698	Pending
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Totals for **Vaidyanathan,Vijay V** **\$149,698**

Totals for **Electrical Engineering** **\$149,698**

Materials Science & Engineering

Banerjee,Rajarshi

Banerjee, R., Co-PI; Collins, P., PI; Needleman, A., Co-PI; Materials Science & Engineering

GN0004195	Modeling of Functionally Graded Materials with an Experimentally Determined Spatially Varying Constitutive Response	R	National Aeronautics & Space Administration	FED	43.001	Co-PI	4/1/2011	3	47	25%	\$241,467	Pending
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Totals for **Banerjee,Rajarshi** **\$241,467**

Collins,Peter Chancellor

Collins, P., PI; Needleman, A., Co-PI; Banerjee, R., Co-PI; Materials Science & Engineering

GN0004195	Modeling of Functionally Graded Materials with an Experimentally Determined Spatially Varying Constitutive Response	R	National Aeronautics & Space Administration	FED	43.001	PI	4/1/2011	3	47	50%	\$482,935	Pending
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Totals for **Collins,Peter Chancellor** **\$482,935**

D'Souza,Nandika Anne

D'Souza, N., PI; Materials Science & Engineering; Shulaev, V., Co-PI; Ayre, B., Co-PI; Biology

GN0004133	Biomass to Bioproducts	R	Colorado School of Mines	FEDF	10.001	PI	3/1/2011	3	0	50%	\$675,554	Pending
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Totals for **D'Souza,Nandika Anne** **\$675,554**

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
Du,Jincheng												
GN0004083	GOALI/Collaborative: Impact of Mixed Network Formers on the Structure and Properties of Oxide Glasses	R	National Science Foundation	FED	47.041	PI	7/1/2011	4	47	100%	\$363,745	Pending
Totals for Du,Jincheng											\$363,745	
Needleman,Alan												
<i>Needleman, A., Co-PI; Collins, P., PI; Banerjee, R., Co-PI; Materials Science & Engineering</i>												
GN0004195	Modeling of Functionally Graded Materials with an Experimentally Determined Spatially Varying Constitutive Response	R	National Aeronautics & Space Administration	FED	43.001	Co-PI	4/1/2011	3	47	25%	\$241,467	Pending
Totals for Needleman,Alan											\$241,467	
Totals for Materials Science & Engineering											\$2,005,168	
Totals for College of Engineering											\$2,884,084	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
College of Information Learning Technologies												
Christensen,Rhonda R												
<i>Christensen, R., Co-PI; Knezek, G., PI; Learning Technologies; Tyler-Wood, T., Co-PI; Educational Psychology</i>												
GN0004143	Indicators of Student Interest in Science, Technology, Engineering, and Mathematics (STEM)	R	National Science Foundation	FED	47.076	Co-PI	9/1/2011	3	47	33%	\$485,715	Pending
Totals for Christensen,Rhonda R											\$485,715	
Knezek,Gerald												
<i>Knezek, G., PI; Christensen, R., Co-PI; Learning Technologies; Tyler-Wood, T., Co-PI; Educational Psychology</i>												
GN0004143	Indicators of Student Interest in Science, Technology, Engineering, and Mathematics (STEM)	R	National Science Foundation	FED	47.076	PI	9/1/2011	3	47	34%	\$500,434	Pending
Totals for Knezek,Gerald											\$500,434	
Lin,Lin												
<i>Lin, L., Co-PI; Learning Technologies; Mason, D., PI; Chemistry</i>												
GN0004007	Understanding Links Between Online Games Targeting Visual Attention Capacity and the Problem-Solving Ability of General Chemistry Students	R	National Science Foundation	FED	47.049	Co-PI	7/1/2011	3	47	50%	\$662,099	Pending
Totals for Lin,Lin											\$662,099	
Totals for Learning Technologies											\$1,648,249	
Totals for College of Information											\$1,648,249	

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status
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College of Music

Music Instrumental Studies

Chesky,Kris

Chesky, K., Co-PI; Music Instrumental Studies; Huang, Y., PI; Computer Science & Engineering; Gopal, K., Co-PI; Speech & Hearing Sciences; Vaidyanathan, V., Co-PI; Electrical Engineering;

GN0004173	SoCS: Persuasive Design to Reduce Music Induced Hearing Loss	R	National Science Foundation	FED	47.07	Co-PI	9/1/2011	3	47	20%	\$149,698	Pending
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Totals for **Chesky,Kris** **\$149,698**

Totals for **Music Instrumental Studies** **\$149,698**

Totals for **College of Music** **\$149,698**

College of Visual Arts And Design

Art Design

Park,Jin Gyu

GN0004144	Pediatric Patients' Stress Responses to Patient Room Colors	R	American Society of Interior Designers	NFP		PI	3/1/2011	1	0	100%	\$36,040	Pending
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Totals for **Park,Jin Gyu** **\$36,040**

Totals for **Art Design** **\$36,040**

Totals for **College of Visual Arts And Design** **\$36,040**

Totals for **UNT Denton** **\$11,486,387**

File Number	Title	Category	Sponsor	Sponsor Type	CFDA	PI / Co-PI	Start Date	Duration in Years	IDC Rate %	Recognition %	Distribution Amount	Status	
<i>UNT Dallas</i>													
<i>Liberal Arts & Sciences</i>													
<i>Math & Information Sciences</i>													
Kahng,Byungik													
GD0000006	RUI: Maximal Invariance of Nonlinear Iterative Dynamical Systems with Singular Disturbance	R	National Science Foundation	FED	47.049	PI	6/1/2011	3	47	100%	\$124,644	Pending	
Totals for		Kahng,Byungik										\$124,644	
Totals for		Math & Information Sciences										\$124,644	
Totals for		Liberal Arts & Sciences										\$124,644	
Totals for		UNT Dallas										\$124,644	
<i>Totals for November, Fiscal Year 2011</i>										<i>\$11,611,031</i>			