The mission of Texas A&M International University is both simple and compelling: “to improve the quality of life for citizens of the border region, the State of Texas, and national and international communities.” The University owes its existence to the vision of the people of Texas and the dedication of their elected representatives, who have worked tirelessly to secure the funding necessary to build a beautiful campus and assemble a world-class faculty. By bringing educational opportunity to a vast and previously underserved region of Texas, TAMIU is truly changing the face of a region through education.

As the University expands to meet the growing educational needs of the diverse communities it serves, its focus on research has grown as well. By pursuing the University’s research mission, TAMIU faculty are both creating knowledge in their fields and inspiring their students to explore new realms of discovery.

During the 2005-2006 academic year, University faculty and staff submitted a record number of grant proposals (88), which generated grants and contracts totaling nearly $7 million – also a record. Each successfully funded research project opens doors of opportunity for future endeavors.

Each of the projects described in this report elevates TAMIU, its students, and its faculty to new levels of excellence and achievement. I hope you share the sense of pride I feel in our great and growing University.

Dan R. Jones, Ph.D.
Provost and Vice President for Academic Affairs
About the Grant Resources Office

The Office of Grant Resources (OGR), a unit within the Office of Graduate Studies and Research, supports faculty and staff in securing external funds from public and private agencies. Emphasis is placed on securing external funds to achieve the University’s priorities. The OGR supports the contract and grant writing activities of the faculty and staff through all stages of the project - from initial planning through project completion. The OGR is responsible for the submission of all University grant and/or proposal applications. Our office is located in Sue and Radcliffe Killam Library 332.

We encourage faculty and staff to visit us at http://www.tamiu.edu/gradschool/grant/, and utilize our services to learn more about grant writing and the submission process.

SPONSORED RESEARCH

Beck, David L.  
Award: $10,000  
Prevalence of Tick Borne Diseases in Ticks in South Texas  
Purpose: Determine the prevalence of tick borne diseases in ticks endemic in South Texas.

Bowe, Craig  
Basic Chemical Research  
Award: $20,000  
Granting Agency: The Welch Foundation  
Purpose: Support chemical research by members of the chemistry department faculty and to provide an opportunity for students to study chemistry in a less structured way.

González, Humberto  
High School Improvement Initiative  
Award: $10,000  
Granting Agency: Texas A&M University System/The Texas Education Agency  
Purpose: Engage TAMUS faculty leaders in research and evaluation in under-performing schools within the TAMUS service areas; facilitate instructional improvements and develop tools and training products that can assist under-performing schools.

Stevenson, Joshua  
Development of Plant Science Research  
Award: $105,000  
Granting Agency: U. S. Department of Agriculture/CREES  
Purpose: Develop plant science curriculum and research opportunities for Hispanic undergraduate and graduate students in the South Texas region.
Tobin, Kenneth  
Award: $293,554

Cover the Texas-Mexico Border Initiative  
Granting Agency: Federal Emergency Management Agency  
Purpose: Develop a comprehensive, multi-jurisdictional regional hazard mitigation plan for Texas A&M University, the Rio Grande Institute and jurisdictions in 11 counties in the Rio Grande border region of Texas.

Vaughan, Thomas  
Award: $18,000

Teaching Environmental Science  
Granting Agency: Texas Commission of Environmental Quality  
Purpose: Present up-to-date, scientifically accurate information on a broad range of environmental issues related to air, water and waste.

SPONSORED PROGRAMS  
College of Arts and Sciences

Barker, Ellen  
Award: $42,000

South Texas Writing Project  
Granting Agency: U.S. Dept of Education/National Writing Project  
Purpose: Support the National Writing Project Models, which emphasizes improving students’ writing and learning.

Cardona-López, José  
Award: $4,000

The “V International Colloquium of Fantastic Literature”  
Granting Agency: Humanities Texas  
Purpose: Conduct a three-day Colloquium dedicated to the discussion and examination of the fantastic in Hispanic literature.

Farrokh, Faridoun  
Award: $5,700

Richard Wright Remembered  
Granting Agency: Humanities Texas  
Purpose: Promote in the Laredo community and adjacent communities a wider knowledge of the African-American cultural heritage and its sociopolitical impact on American mainstream life.

García-Ríos, Mario  
Award: $8,000

Centers of Excellence  
Granting Agency: UTMB/U.S. Department of Health & Human Services  
Purpose: Increase the number of physicians serving the medically underserved regions of Texas and provide a competitive edge to participants applying to health profession schools.

Joint Admission Medical Program (JAMP)  
Award: $15,000

Granting Agency: State of Texas/Joint Admission Medical Program Council  
Purpose: Provide services to support and encourage disadvantaged students pursuing a medical education.
Jeffrey, Jaclyn and Pletsch de García, Kathleen  
*Award: $157,795*
*TAMIU Latin American Studies and Foreign Language Program*
Granting Agency: U.S. Department of Education  
Purpose: Improve TAMIU’s Latin American Studies and Spanish heritage language program over the next two years for students pursuing careers in business, government, and public service related to Latin America.

Khosraviyani, Firooz  
*Award: $84,999*
*The Rio Grande Border Algebra Project (2006)*
Granting Agency: Texas Higher Education Coordinating Board  
Purpose: Provide high quality professional development for 24 high/middle school teachers from six local school districts in an effort to enhance classroom performance and student achievement in mathematics.

Leyendecker, Bede  
*Award: $9,000*
*City of Laredo Grant*
Granting Agency: City of Laredo  
Purpose: Support the endeavors of the dance program by primarily providing funds for costumes.

Webb County Grant  
*Award: $1,130*
Granting Agency: Webb County Texas-Third Party Funding  
Purpose: Support the endeavors of the dance program.

Women’s City Club Grant  
*Award: $1,875*
Granting Agency: Women’s City Club  
Purpose: Support the endeavors of the Dance Program by providing funds for costumes.

Mendoza-García, Gabriela  
*Award: $935*
*TAMIU Folklórico Festival*
Granting Agency: Texas Commission on the Arts  
Purpose: Train and assist dance groups in supplementing their repertoire of dances.

TAMIU Folklórico Travel  
*Award: $745*
Granting Agency: Texas Commission on the Arts  
Purpose: Grant travel funds for TAMIU Ballet Folklórico students to attend the National Association of Folkloric Groups Conference in Arlington, Virginia.

Moran-López, Juan  
*Award: $99,997*
*South Texas Border Mathematics and Pre-engineering Graduates*
Granting Agency: National Science Foundation (NSF)  
Purpose: Encourage qualified low income undergraduate students from South Texas with an incentive to pursue degrees in computer science, engineering, and/or mathematics and provide career advising and mentoring.
Mott, Daniel J.                                              Award: $13,510
Hispanic Centers of Excellence
Granting Agency: UT Health Science Center Houston
Purpose: Increase the number of dentists serving the dentally underserved regions of South and West Texas.

Ramos, Gilbert and Aguilar, Marian                         Award: $99,718
Title IV-E Child Welfare Training Grant 2005-06
Granting Agency: State of Texas-Department of Family and Protective Services
Purpose: Enhance the skills of current and prospective Child Protective Services workers through undergraduate education in social work and provide opportunities for ongoing foster parent and staff training.

Soto, Gilberto                                              Award: $3,370
TAMIU Guitar Ensemble Community Outreach
Granting Agency: Webb County, Texas, Third Party Funding
Purpose: Offer free fine arts performances and programs in the County of Webb and in Laredo, especially in the colonias.

Sung, Chen-Han                                              Award: $150,000
Training Teachers to Teach Mathematics T3M
Granting Agency: Texas Education Agency
Purpose: Improve the academic performance of students, especially in mathematics, for the Laredo and the Rio Grande border region.

Granting Agency: Texas Higher Education Coordinating Board
Purpose: Offer a series of workshops to participating mathematics teachers desiring a deeper understanding of Middle School Mathematics and pedagogical contents.

Townsend, Brendan                                           Award: $65,000
D. D. Hachar String Quarter Scholarship
Granting Agency: D. D. Hachar Charitable Trust Fund
Purpose: Offer scholarships to four students attending TAMIU and seeking a B. A. in music, with their studies focusing on performance as orchestral musicians and chamber music performers.

College of Business Administration                          

Patrick, Michael                                            Award: $30,871
Texas Manufacturing Assistance Center - Statewide, a Texas Engineering Extension Service (TEEX) Sub-recipient Agreement (GY 11)
Granting Agency: TEEX
Purpose: Increase the global competitiveness of Texas manufacturers by providing assistance in the appropriate use of technologies and techniques.
Sagafi-Nejad, Tagi  
Award: $173,331  
*Reaching for New Global Heights at TAMIU: Faculty & New Student Development Initiatives in International Business*  
Granting Agency: U.S. Department of Education  
Purpose: Enhance the linkage between the local business community and the University, providing a combination of academic and practical experience that would enable Ph.D. students to become more effective in conducting international business.

### College of Education

**Alaníz, Ramón**  
*Excellence in Early Childhood Education (E3)*  
Award: $695,275  
Granting Agency: U.S. Department of Health & Human Services  
Purpose: Increase the number of qualified personnel in early childhood education.

**Coronado, Jennifer**  
*Pin Drive Project*  
Award: $2,877  
Granting Agency: Women’s City Club  
Purpose: Acquire 130 USB Pin drives to facilitate preparation of students in the College Education.

**Striving to Attract and Retain**  
*Special Education Teachers (STARSET)*  
Award: $10,440  
Granting Agency: Texas A&M University-Texarkana  
Purpose: Strengthens and expands special education teacher recruitment and retention activities.

**Flores, Gloria**  
*Texas Regional Collaborative for Excellence*  
Award: $148,242  
Granting Agency: University of Texas Austin (federally-assisted project)  
Purpose: Develop partnerships with the area school districts in order to provide services and resources impacting teacher training and student performance.

**High School Completion Project**  
Award: $87,226  
Granting Agency: Texas A&M University/Corpus Christi/Texas Education Agency  
Purpose: Provide a series of critical mathematics interventions to Texas public and charter schools designed to improve teacher efficacy and student math proficiency in grade K-12.

**Math Technical Support**  
Award: $51,111  
Granting Agency: Texas A&M University/Texas Education Agency  
Purpose: Provide research-based professional development to help schools in need focus on effective mathematical best practices and to help schools and teachers change their instructional practice toward data-driven decision making.

**Math Achievement Project & High School Completion**  
Award: $13,375  
Granting Agency: Texas A&M University/Texas Education Agency  
Purpose: Support of the P-16 Educational Improvement Consortium outreach services for the improvement of math instruction and high school completion.
**González, Humberto**  
*Limited English Proficient Student Initiative*  
Award: $60,000  
Granting Agency: Texas A&M University-Corpus Christi/Texas Education Agency  
Purpose: Develop tools and training resources to enhance the capacity of limited English proficient teachers.

**Mathematics Achievement Project**  
Award: $78,833  
Granting Agency: Texas A&M University/Texas Education Agency  
Purpose: Design a series of critical mathematical resources for Texas public and charter schools that would improve teacher efficacy and student math proficiency in grades K-12.

**Texas High School Project**  
Award: $125,000  
Fund of Communities Foundation of Texas.  
Granting Agency: Texas A&M University/Communities Foundation of Texas  
Purpose: Create an academic component for high school students where they can obtain a high school diploma as well as receive 60 hours of transferable college credits.

**Special Education Recruitment and Retention Grant**  
Award: $25,000  
Granting Agency: Texas A&M University Texarkana/Texas Education Agency  
Purpose: Support services in the recruitment and retention of special education teachers.

**Mathematics Achievement Project**  
Award: $30,000  
Purpose: Develop a series of critical mathematical resources for Texas public and charter schools that are designed to improve teacher efficacy and student math proficiency in grades K-12.

**Greybeck, Barbara**  
*University After-School Reading Intervention Program*  
Award: $12,500  
Granting Agency: The Prairie Foundation  
Purpose: Improve reading skills and reading outcomes of struggling elementary and middle school readers through active intervention and development of effective instructional assessments.

**Lira, Juan**  
*Alternative Transition to Teaching (AT3P)*  
Award: $365,135  
Granting Agency: U. S. Department of Education  
Purpose: Produce 600 highly qualified certified teachers within a five-year period to serve in high-need schools operated by Local Education Agencies (LEAs) and who will remain in the teaching profession for three years or more.

**Vargas, Miroslava**  
*Hispanic Student Success Initiative: Preparing Tomorrow’s Teachers Today*  
Award: $3,249,996  
Granting Agency: U.S. Department of Education  
Purpose: Increase the number of students admitted into the TAMIU College of Education by strengthening the advisement system and retention efforts and to develop a seamless transfer system for students enrolled at LCC and transferring to TAMIU.
Dr. F. M. Canseco School of Nursing

**Autio, Louise**  
*Award: $12,729*  
*Advanced Education Traineeship Program*  
Granting Agency: U.S. Department of Health & Human Services  
Purpose: Sustain the costs of advanced nursing trainees with all or part of the costs of tuition, books, and fees and reasonable living expenses.

**Bruni, Carmen and Bulkhalter, Natalie**  
*Award: $273,072*  
*BSN-PRN: Promoting Generic Baccalaureate RN-Education*  
Granting Agency: Health Resources and Services Administration (HRSA)  
Purpose: Increase enrollment, retention and graduation in a high minority, bilingual student body in the School of Nursing, located in a medically underserved (MUA), Health Professional Shortage Area (HPSA) on the Texas-Mexico border.

**Cantrell, Angie**  
*Award: $43,000*  
*Have a Doubt, Find Out Program*  
Granting Agency: The Educational Foundation of America  
Purpose: Spearhead a major, continuous, campus-wide effort aimed at educating students regarding risks of sexual transmitted diseases and their preventions, the need for prompt treatment of disease states, and conception.

**Rosenow, Doris J.**  
*Award: $225,506*  
*South Texas Access to Advanced Practice Nurse (STAT-APN)*  
Granting Agency: Health Resources and Services Administration (HRSA)  
Purpose: Develop and implement for a predominantly minority and medically underserved area an innovative, cost-effective educational approach to meet the need for diverse Master of Science in Nursing (MSN) preparation programs.

Office of Institutional Advancement

**Basketball Scholarships**  
*Award: $40,000*  
Granting Agency: The Killam Family Foundation  
Purpose: Assist in recruiting students to the TAMIU basketball program and University.

**Business Technology Center and Trading Room**  
*Award: $450,000*  
Granting Agency: The A. R. “Tony” and Maria J. Sanchez Foundation  
Purpose: Renovate existing lecture room into a state of the art virtual and digital “smart” classroom and renovate conference room into a trading room that provides access to rich, real time business data.

**COBA Ph.D.**  
*Award: $25,000*  
Granting Agency: The Wells Fargo Foundation  
Purpose: Provide support for the Ph.D. in International Business Administration for student and faculty research.
**Four Year Scholarships**  
Award: $400,000  
Granting Agency: The A. R. “Tony” and Maria J. Sanchez Family Foundation  
Purpose: Award every year 20 graduating high school seniors accepted to TAMIU with a four year scholarship; students must pursue a degree in business, economics, math, and science.

**Graduate School Endowment**  
Award: $10,000,000  
Granting Agency: The Lamar Bruni Vergara Trust  
Purpose: Provide scholarships and stipends to students from Laredo pursuing graduate or professional studies.

**Lamar Bruni Vergara Science Center**  
Award: $250,000  
Granting Agency: The Lamar Bruni Vergara Trust  
Purpose: Provide operating funds for the LBV Planetarium.

**Laredo: 250 Years of History**  
Award: $8,190  
Granting Agency: Humanities Texas  
Purpose: Afford the citizens of Laredo and its neighboring communities a splendid opportunity to gain new knowledge and appreciation of the historical evolution that Laredo has experienced in its 250-year history.

**Ph.D. Endowment**  
Award: $500,000  
Granting Agency: The Matias de Llano Charitable Trust  
Purpose: Provide scholarships to students enrolled in the COBA Ph.D. program.

**Residence Hall Scholarships**  
Award: $225,000  
Granting Agency: The Lamar Bruni Vergara Trust  
Purpose: Provide students an opportunity to reside in the Learning Residence Center at TAMIU.

**Sames Mentors/Four-Year Scholarship Program**  
Award: $67,200  
Granting Agency: Hank and Elizabeth Sames through the Laredo Area Community Foundation  
Purpose: Recruit TAMIU faculty to serve as mentors to 36 United Independent School District’s high school students; upon their graduation and admission to TAMIU, student are awarded a four year scholarship and laptop computer.

**Sánchez Lecture Series**  
Award: $20,000  
Granting Agency: The A. R. “Tony” and Maria J. Sánchez Foundation  
Purpose: Fund a series of lectures with nationally known scholars and distinguished individuals from various fields of scholarship and endeavor.

**The Sharkey-Corrigan Pipe Organ**  
Award: $1,000,000  
Granting Agency: The E. H. Corrigan Foundation  
Purpose: Install pipe organ in the Center for Fine and Performing Arts Recital Hall.

**Study Abroad Scholarships**  
Award: $150,000  
Granting Agency: The Guadalupe and Lilia Martínez Foundation  
Purpose: Broaden students’ academic and professional goals by studying abroad.
Office of Special Programs

**Madrigal, Julio**  
*Youth Services - Bridge to Success*  
Granting Agency: South Texas Workforce Development Board  
Purpose: Increase the number of Title I – Workforce Investment Act (WIA) participants entering and graduating from postsecondary education.

**Texas Pre-freshmen Engineering Program 2006 (TEXPREP)**  
*Granting Agency: University of Texas San Antonio/National Aeronautics and Space Administration*  
Purpose: Identify high achieving middle and high school students with the interest and potential for careers in engineering, science, technology, and other mathematic related areas and to reinforce their pursuit of these fields.

**First Generation College Students-College Readiness Program**  
*Granting Agency: Texas Higher Education Coordinating Board*  
Purpose: Groom students for leadership roles in their chosen profession in an increasingly complex, culturally diverse state, national and global society.

**Creating a Vision I**  
*Granting Agency: U. S. Department of Education*  
Purpose: Enhance existing academic strategies and implement new programs to raise academic standards, provide academic support for students, improve teacher training, and increase student knowledge of higher education opportunities and admissions; develop a parental education program that teaches parents English language and parenting skills so that they can provide a nurturing academic environment for their children.

**Creating a Vision II**  
*Granting Agency: U. S. Department of Education*  

**TAMIU College Assistance Migrant Program (CAMP)**  
*Granting Agency: U. S. Department of Education*  
Purpose: Serve eligible low-income, migrant and seasonal farm workers and their children to successfully obtain the equivalent of a secondary school diploma and subsequently gain employment or seek a college degree.

**Academic Affairs**

**Ramírez, Minita**  
*Community College Teaching Scholars*  
Granting Agency: Texas A&M University System/Houston Endowment  
Purpose: Increase the number of potential teachers transferring from community college programs into a teacher preparation program.
Child Care Local Match a Contribution Agreement  
Award: $75,000  
Granting Agency: South Texas Workforce Development Board  
Purpose: Assist low-income families maintain or transition towards self-sufficiency, by providing child care subsidies to eligible parents who are working or attending college.

College for Texans Campaign  
Award: $52,500  
Granting Agency: Texas Higher Education Coordinating Board  
Purpose: Hire a P-16 field specialist to support P-16 council and the regional collaborative in sharing best practices, offering advice, supporting local events, and coordinating outreach/event calendars.

Treviño, Mary  
Award: $448,501  
A Comprehensive Retention Strategy for First-Time Students  
Granting Agency: U. S. Department of Education – Title V Program  
Purpose: Increase the retention of first-time freshmen and first-time transfer students.

Almost there...  

It is worth mentioning that the following applications although very competitive, did not receive a grant award because the funding appropriations to the particular programs did not allow for all eligible applications to receive funding.

González, Belva  
Amount Requested: $965,982  
Si Se Puede: Peer Tutoring for Nursing Student Success  
Status: Recommended for Funding, but not awarded.

Madrigal, Julio  
Amount Requested: $4,464,000  
Creating a Vision III  
Status: Our application average score was 97 and the cut-off score was 97.33. The U. S. Department of Education received 255 applications and they were only able to fund 34 projects.

TAMIU Talent Search  
Amount Requested: $1,153,546  
Status: Our application average score was 95.66 and the cut-off score was 98.67. All funded applications scored 98.67 points or greater, when prior experience points were added. The maximum score for a new applicant was 100 points and 115 for a currently funded project.

South Texas Region Educational Opportunity Center  
Amount Requested: $1,153,546  
Status: Our application average score was 99.66 and the cut-off score was 100.33. All funded applications scored 100.33 points or greater, when prior experience points were added.

Saldivar, Rose  
Amount Requested: $1,156,727  
“Proyecto Salud” Academic Nursing Center  
Status: Recommended for Funding, but not awarded.
SCHOLARLY WORKS...
College of Arts and Sciences


---. Editor, Special Issue on Nonfiction Narrative of Storytelling 5 (2) 2006. Contributors include: Wendy Ryden, Elisabeth Wennö, Elaine Lux, Vivian Nun Halloran, Gavin Burke, Michael R. Dressman, Philip Dubuisson Castille, and Dan Jones.
---. “Introduction” to Special Issue of *Storytelling* 5 (2) 2006: 61-64.


---. “Some Results on Summability of Random Variables,” Journal of Integer Sequence Vol 7 (04.3.4): 1-16.


Koch, Randy. “Beyond the Window,” “Metamorphosis,” and “Querying the Dead” [poems]  


---. “Where Writing Really Begins.” *The Quarterly* 26(4) 2004


---. Six Large Scale Paintings, oil on canvas on panel, 7’6”X10’6” Valero Energy, San Antonio, TX 2004-05.


---. “Thomas Heywood’s The Royall King, and the Loyall Subject and the Fall of Robert Evereux, 2nd Earl of Essex.” *Comparative Drama* 39.1 (January 2006).


Webber, Mark, “A Bold Move by a Newspaper Looking at its Future.” Adviser Update, Dow Jones Newspaper Fund, 44 (3) 2004: 20


College of Business Administration


Miller, V. and **A. Mukherji.** “Mexican Maquilas and Indian BPOs: A Critical Comparison.” Published in the proceedings of the IMRC 2006 conference on Global Competitiveness through Outsourcing at the Indian Institute of Management, Bangalore, India in July 2006.


---. and Hicks, R.C. “Students’ Communications Media Usage for Competitive Academic Tasks Outside the Classroom Environment.” *Competition Forum.* Article Number 63 (2005): 1-17.


---. “Buying Stuff on the Web: Can Users Correctly Identify Deception in Purchasing Contracts?,” The 5th Annual IS-Core (Pre-ICIS), 2005 (with N. Kock, H. Islam and J. Carmona.)

---. “Information Overload and National Culture: Assessing Hofstede’s Model Based on Data from Two Countries,” Proceedings of the 10th Annual Western Hemispheric Conference—Development Challenges in the Global Context, 2005 (with N. Kock, J. Buchanan).


---. “Accuracy Improvement Based on Feature Selection for Text Categorization,” Proceeding of 36th Annual Meeting of the Decision Sciences Institute (with Yaquan Xu.)


College of Education


Texas A&M International University
Sponsored Programs
Office of Grant Resources
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