

# RESEARCH & SPONSORED PROGRAMS



**ANNUAL REPORT  
2008-2009**

# TAMIU SPONSORED AWARD ACTIVITY FY 2008-2009

The Office of Grant Resources (OGR) is pleased to present this Executive Summary of Texas A&M International University's Sponsored Awards Activity for FY 2008-2009, a period in which faculty attracted over \$8 million in funding from external sponsors in support of research, public service, instruction, academic support, student support, and public service projects.

Please note that this report only provides a summary of the FY 2008-2009 proposals and awards handled by the Office of Grant Resources and not other funds received by the University.

*Cristina Hernández, Director  
Office of Grant Resources*

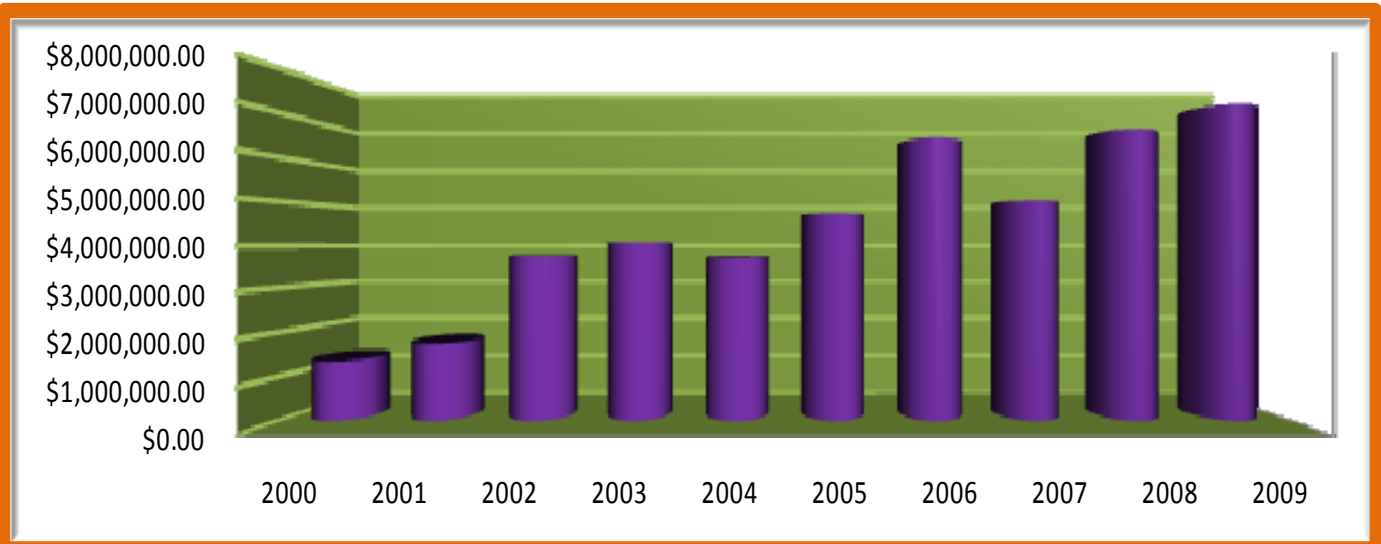


## FY 2008-2009 Office of Grant Resources Summary Data

Proposals Submitted.....	85
Dollars Requested.....	\$29,290,516
New Awards.....	\$8,780,139
Continuation Grants.....	\$4,579,115
Faculty Submitting Proposals.....	50
Faculty Receiving Awards.....	20
Number of Applications Awarded.....	30
Number of Applications Pending.....	48

### Award Activity

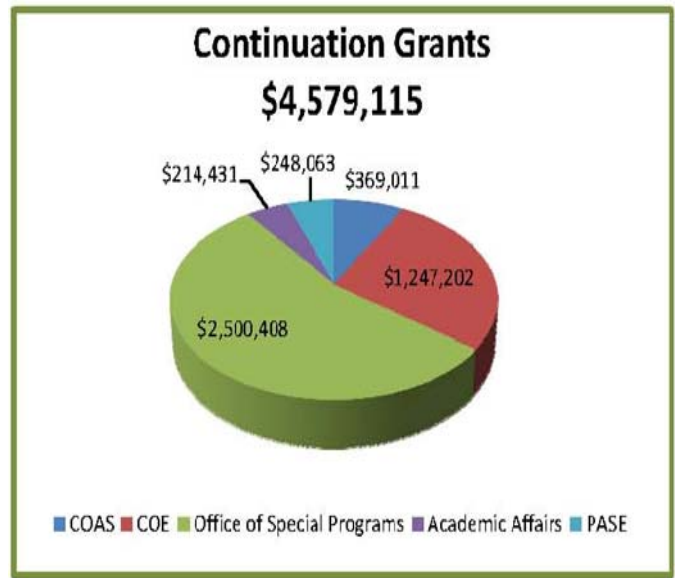
The 10-year increase of 535% represents a strong growth rate. The growth rate varies somewhat from year to year due in part to the multi-year funding received for a particular funding period.



Note: Figures presented on charts only depict the dollar amount of grants received through the OGR and not other funds received by the University.

## FY 2008-2009 AWARD ACTIVITY AND SUBMISSION BY COLLEGE

Grants and contract activities continue to play an integral role in the on-going effort to create an environment that is supportive of research and innovative ideas conducted by the faculty and staff at TAMIU. For FY 2008-2009 there were a total of **30** new projects and/or contract agreements awarded, totaling **\$8,780,139**. The total amount of continuation funding received for this fiscal year was **\$4,579,115**, which included **18 continuation awards**.



**Proposal Submissions** A total of 85 proposals were submitted during the fiscal year 2008-2009 for a total request of **\$29,290,516**. Of the total submissions, **45%** were research and/or restricted research applications. The indicator of proposal traffic is both the number of submissions and the number of awards, even though the dollar amount requested may vary from year-to-year.



Note: Figures presented on charts only depict the dollar amount of grants received through the OGR and not other funds received by the University.

# FY 2008-2009 AWARDS BY SOURCE AND PURPOSE

## AWARDS BY SOURCE AND PURPOSE

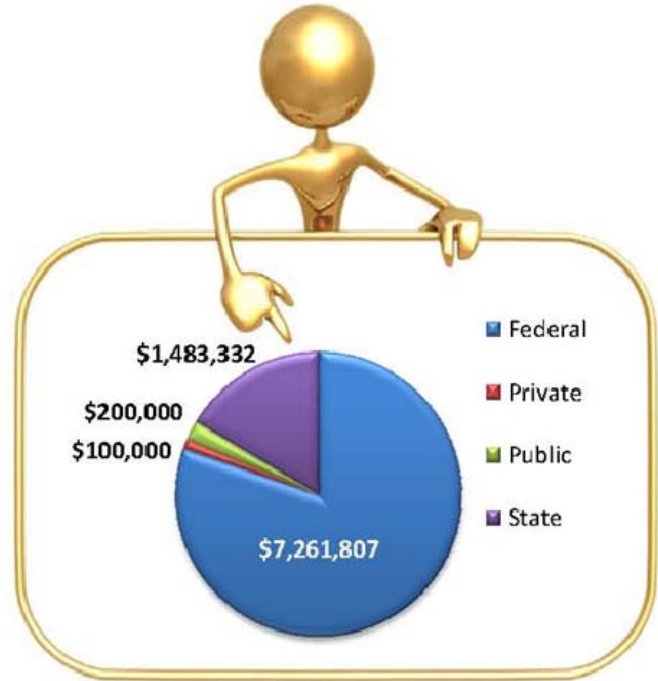
For FY 2008-2009, the research and research-related activities represent 9% of the total funding received.

The majority of the support received was provided by the federal government, accounting for 82.7% of the total award dollars.

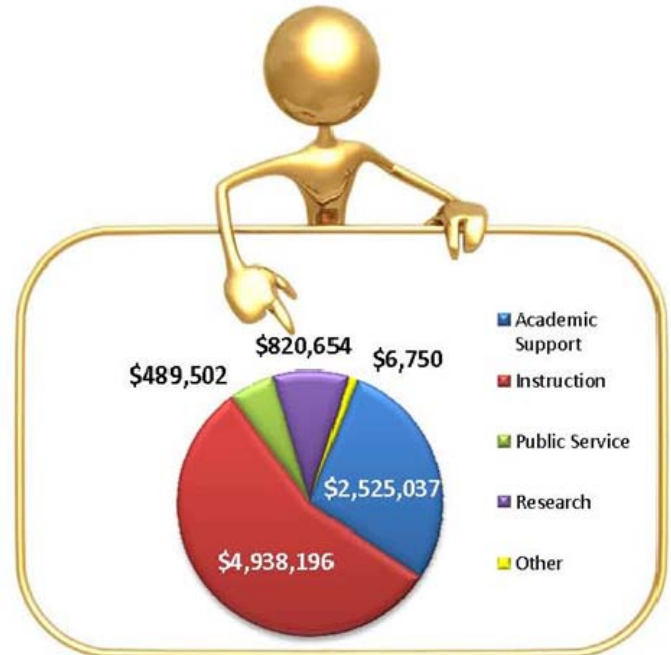
Most of the federal funding received came from eight agencies: U.S. Department of Education; National Aeronautics and Space Administration (NASA); National Science Foundation (NSF); National Institute of Health (NIH); Health Resources and Services Administration (HRSA); U. S. Department of Justice; U.S. Department of Energy; and the U.S. Small Business Administration. The University's largest sponsor is the U. S. Department of Education, which provided a total of \$5,746,889 in funding.

As in the past, the majority of this year's awards supported instruction and academic program activities, which represent 85% of the total funds received.

### Awards by Source



### Awards by Purpose



Note: Figures for all sources of private funding only depict the dollar amount of grants received for research-related projects through the Office of Grant Resources and not other funds received by the University.



# Successful Research Sponsored Stories...



**Dr. Marcus A. Ynalvez**

## **TAMIU received a \$335,709 grant from the NSF: Science of Science and Innovation Policy (SciSIP).**

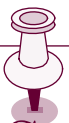
This is a project to study the relationships between East Asian (Japan, Singapore and Taiwan) graduate students and their mentors and how they influence scientific innovation. This past fall, NSF announced the award of \$335,709 to TAMIU for support of the project. Dr. Marcus Antonius Ynalvez, PI, will use these funds to “examine doctoral training practices critical to the transmission of skills acquired through close interaction and hands-on experience, also known as tacit skills.” The Project team includes three TAMIU faculty members: Dr. Ynalvez as PI, Dr. John C. Kilburn, Co-PI, and Dr. Ruby Ynalvez, also a Co-PI. The study results will address a crucial area in the globalization of science regarding what practices the U.S. can learn from East Asian graduate programs that train future scientists.



**Dr. John Kilburn and Dr. Jeff Brown**

## **TAMIU Receives Funding from the National Institutes of Health for Research Development**

Dr. John Kilburn and Dr. Jeffrey Brown have received an Extramural Associates Research Development Award (EARDA) in the amount of \$474,944 over the next 5 years. The goal of this award is to strengthen the research administration and establish a solid infrastructure to support and increase research participation by faculty and students. The EARDA program will assist our institution to further its research capabilities and productivity, and as a result various faculty and students from TAMIU will be seen as attractive partners for collaborative research with investigators at other institutions. This award will allow for the development of a self-sustaining Office of Sponsored Research (OSR) to facilitate and promote interdisciplinary research as well as coordinate all research related activities for faculty. The OSR will 1) provide administrative support to faculty members preparing research-related grant applications; 2) inform faculty about potential funding opportunities; 3) coordinate faculty and student professional development activities; 4) organize efforts to obtain the necessary resources to increase research participation and productivity; 5) increase the amount of interdisciplinary projects as well as collaborative projects with other institutions; 6) create a Grants Working Group; and 7) provide financial support for pilot projects (Pilot Project Funding Program). Emphasis will be given to the areas of funding opportunities for faculty, grantsmanship seminars and training, project administration, compliance with federal regulatory guidelines and procedures, faculty mentoring, and student research activities. For more information about the EARDA program, contact Dr. John Kilburn at 326-2667.



## Spotlight of FY 2008–2009 Awards

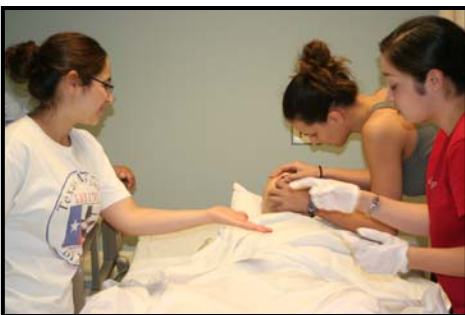


**Cristina Hernández, Anne Frey, and Dr. Rafic Bachnak**

### **\$2,159,877 from the U.S. Department of Education College Cost Reduction and Access Act Program**

This is a two-year project with multiple activities focusing on increasing the number of Hispanic and low-income students attaining degrees in the fields of science, technology, engineering, or mathematics and developing a model transfer system that builds on our current articulation agreement with Laredo Community

College. Dr. Rafic Bachnak, professor and chair of the College of Arts and Sciences' department of Mathematical and Physical Sciences, is the Principal Investigator (PI). TAMIU project management team members include Dr. Juan Lira, Regents Professor and associate provost; Dr. Hoonandara Goonatilake, associate professor, Department of Mathematical and Physical Sciences and Conchita Hickey, executive director of University College. Other team members include Dr. Dan Mott, associate professor, chair and associate dean, College of Arts and Sciences; Gina González, director, Office of Recruitment and School Relations; Mary Treviño, associate vice president for Academic Affairs; and Rosie Dickinson, director, Office of Admissions.



### **TAMIU was granted a \$152,031 Disadvantaged Nursing Student Scholarships (DNSS)**

Some 30 Texas A&M International University (TAMIU) economically-disadvantaged students from under-represented racial/ethnic minority groups in the Dr. F. M. Canseco School of Nursing program will benefit from this grant awarded by the U.S. Department of Health and Human Services - Health Resources and Services Administration (HRSA). The purpose of the TAMIU Disadvantaged Nursing Student Scholarships

(DNSS) project is to increase nursing education opportunities for individuals from educationally and economically disadvantaged backgrounds and from underrepresented racial/ethnic minority groups (National Goal I). This purpose will be achieved by providing scholarship support designed to facilitate enrollment and retention of project participants into the TAMIU Canseco School of Nursing (CSON) Bachelor of Science in Nursing Program and their successful progression and graduation. By increasing nursing graduates from racial/ethnic minority groups, and from economically and disadvantaged backgrounds, the project will improve the quantity and quality of health care to patients in medically underserved and rural areas, by increasing their access to a well-prepared diversified and culturally sensitive bilingual nursing workforce (National Goal II). This goal is consistent with Healthy People 2010 objectives. HRSA funding will enable TAMIU to award scholarships to juniors and seniors who meet the eligibility criteria and are in good academic standing.



## College of Education secured a \$635,900 Grant for Math, Science, Technology Teacher Preparation

Texas A&M International University has received a \$635,900 grant from the Texas Higher Education Coordinating Board (THECB) to fund a program that will provide training for local 6th-12th grade (secondary) teachers and those training to be teachers in the areas of math, science and technology. The TAMIU program, called the “Rio Grande Roundup – TAMIU Academy for Mathematics, Science and Technology Teaching Excellence” will establish a high quality, research-based mentoring and training academy that is focused on enhancing

math, science and technology teaching skills. Specific objectives of this project are to identify, recruit and engage members of the target populations of novice and/or pre-service teachers who are teaching or would commit to teach in high-need area schools in one of the three identified curricular areas. Dr. Aleta Belcher, Project Director along with Dr. Arturo Limón, TAMIU assistant professor of curriculum and instruction, will administer the program.



**Dr. Aleta Belcher**

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## A.R. Sanchez, Jr. School of Business granted \$310,002 to assist area businesses

Through the Laredo Small Business Development Center, TAMIU was awarded two grants to assist small businesses in our area: 1) The South-West Texas Border SBDC, a Cooperative Agreement with UTSA in the amount of \$249,774 will provide business counseling and training activities, and will support the economic development efforts of other business organizations, non-profit organizations, and faith-based organizations in the three county areas; and 2) Small Business Growth and Economic Development Assistance, an award in the amount of \$60,228, is a partnership with the Zapata County Economic Development Center (ZEDC), and the Rural Business Program of the Southwest Texas Border Region Small Business Development Center Network (RBP-SWTXB-SBDC) which will assist businesses and expand/enhance the Zapata county economic base by developing and/or supporting projects that create jobs.



From left to right: Gracie Briseno, Michael A. Smith, Dr. Alberto Salinas, Efrain Sanchez, Dr. Julio Madrigal, Julissa Garza, and Mayra Skopal

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## Office Of Special Programs

As in previous years the Office of Special Programs has been very aggressive in securing external funding for the delivery of programs to assist low-income, first-generation college students complete high school and pursue a post-secondary education. During FY 2008-2009, the Office of Special Programs secured a total of \$3,832,675. Among the programs granted are two U. S. Department of Education grants: the College Migrant Assistance Program (CAMP) in the amount of \$2,124,886 and the Upward Bound Math and Science for \$999,996; two AmeriCorps grants in the amount of \$353,276 ; and two TexPrep awards for a total amount of \$59,520.



## Office of Program for Academic Support and Enrichment (PASE) secured \$434,247 for academic support programs



Ms. Concepcion Hickey

The Texas Higher Education Coordination Board (THECB) funded four Programs to help TAMIU increase the participation and success of minority disadvantaged students in post secondary education. The Programs included two grants totaling \$65,000 to support the P-16 Council for Educational Excellence to engage and increase the participation and success of our area Independent School District students in postsecondary education, and an award of \$109,262 for the Columbia Teachers College Intensive Summer College Math Prep Program to assess the effectiveness in helping students to enter college academically prepared and to complete college in a timely way. The goals of the Intensive College Prep program at TAMIU was to help remedial students who were not prepared to enter college level math to improve one or more levels within the developmental sequence and to help students enter and succeed in college in the fall following participation in the program and beyond; The fourth program was the Intensive Summer College Math Prep Program which was awarded \$259,985 to improve the mathematical knowledge and skills of potential college going students who had graduated from high school, but had not yet met the Texas Success Initiative standards for college readiness.



## TAMIU Kicks Off New SECO (SECO) Grant for Energy Conservation

In December, TAMIU received State Energy Conservation Office phase two funding for a community energy conservation education program of the Texas Comptroller of Public Accounts. The **\$87,000** grant will fund activities for “Phase II-Utility Resource Education Network-a Guide to Lower Costs,” a collaboration between TAMIU, the Texas A&M University’s College of Architecture Center for Housing and Urban Development (CHUD) Colonias Program and local energy providers. Mary Treviño is PI and Pat Abrego is the Co-PI for this project.



Left to right: Mary Trevino, Cristina Hernández, and Pat Abrego



## **Fiscal Year 2008-2009**

### **New Awards**

#### ***A. R. Sanchez Jr. School of Business***

***Guerra, Alheyda***

***Awarded: \$10,000***

*City of Laredo Program for Nonprofit Excellence*

Granting Agency: City of Laredo

Purpose: The mission of the Texas A&M International University Program for Nonprofit Excellence is to help the nonprofit sector by providing courses in the many different areas needed to operate a successful and respectable non-profit organization. The \$10,000 provided by City of Laredo will help the Program for Non-Profit Excellence pay for contractual fees for speakers.

***Perez, Richard***

***Awarded: \$249,774***

*South-West Texas Border SBDC, A Cooperative Agreement with UTSA*

Granting Agency: Small Business Texas Border SBDC

Purpose: In addition to its successful business counseling and training activities, the Laredo SBDC team activity supports the economic development efforts of other business organizations, non-profit organizations, and faith-based organizations in the three county areas.

*Small Business Growth and Economic Development Assistance  
to Zapata, Texas*

***Awarded: \$60,228***

Granting Agency: Small Business Texas Border SBDC

Purpose: In partnership with the Zapata County Economic Development Center (ZEDC), and the Rural Business Program of the Southwest Texas Border Region Small Business Development Center Network (RBP-SWTXB-SBDC), this project will assist and support businesses and expand and enhance the Zapata county economic base by developing and/or supporting projects that create jobs.

#### ***College of Arts and Science***

***Bachnak, Rafic***

***Awarded: \$2,222,193***

*STEM Recruitment, Retention, and Graduation*

Granting Agency: U.S. Department of Education

Purpose: The purpose of the project is to strengthen academic offerings and program quality and increase the number of Hispanic and other low-income minority students attaining degrees in STEM fields by: 1) Developing a STEM Recruitment and Enrichment Program, 2) Establishing a Pre-Engineering Cohort, 3) Establishing a Mathematics Education Cohort, 4) Creating an endowment that will provide Hispanic and other low-income STEM students a continuous source of scholarships, 5) Providing STEM research experience to enhance student retention, 6) Developing a mathematics enrichment program, 7) Creating a college algebra support program, 8) Providing faculty development in the areas of curriculum design, working with diverse populations, assessment and instructional strategies, 9) Developing a model transfer agreement and student advising, and 10) Offering counseling support services.

## ***College of Arts and Science (cont'd)***

### ***Green, Stanley***

***Awarded: \$10,000***

*Colonial History of the Villas del Norte*

Granting Agency: Shirley Gonzalez Guadalupe & Lilia Martinez Foundation

Purpose: The purpose of the award is to complete a manuscript on the colonial history of the Villas del Norte. This history will cover the period from the founding era 1740s, to independence 1821.

### ***Kilburn, John C.***

***Awarded: \$474,945***

*TAMIU Extramural Associate Program*

Granting Agency: National Institutes of Health

Purpose: The goal of the proposed TAMIU Extramural Associate Program is to strengthen the research administration and establish a solid infrastructure to support and increase research participation by faculty and students.

### ***Olsen-Fazi, Annette***

***Awarded: \$5,000***

*The 2009 TAMIU International Film Festival*

Granting Agency: Humanities Texas

Purpose: The TAMIU International Film Festival seeks to promote the knowledge and understanding of different European and Latin American languages and cultures among high school and college students, as well as the general community in Laredo and surrounding areas.

### ***Pardue, Brenda***

***Awarded: \$68,625***

*Title IV-E Child Welfare 2009 – 2010*

Granting Agency: Texas Department of Family & Protective Service

Purpose: To allow TAMIU to offer financial support for students (stipends), modify curriculum in the social work program to include topics relevant to Title IV-E program goals, and provide field placement for students to increase their knowledge and skills in the areas of case planning, case management and court preparation.

### ***Rudolph, Bonnie A.***

***Awarded: \$15,000***

*TAMIU Community Stress Center*

Granting Agency: Children Advocacy Center of Laredo - Webb County

Purpose: Addresses the needs of clients who either do not qualify for or cannot afford mental health services in the community.

### ***Sanchez-Perez, Bernice***

***Awarded: \$46,000***

*South Texas Writing Project*

Granting Agency: National Writing Project funded thru U.S. Department of Education

Purpose: To support the National Writing Project Model, which emphasizes improving students' writing and learning.

## ***College of Arts and Science (cont'd)***

***Ynalvez, Marcus***

***Awarded: \$335,709***

*MOD - Transmission of Tacit Skills in the East Asian Graduate Science Programs*

Granting Agency: National Science Foundation

Purpose: This project addresses a crucial area in the globalization of science regarding what practices the U.S. can learn from East Asian (Japan, Singapore, and Taiwan) programs that train future scientists. It will examine doctoral training practices critical to the transmission of skills acquired through close interaction and hands-on experience, also known as "tacit skills."

## ***College of Education***

***Belcher, Aleta***

***Awarded: \$635,895***

*Rio Grande Round-up - TAMIU Academy for Mathematics & Science & Technology Teaching Excellence*

Granting Agency: Texas Higher Education Coordinating Board

Purpose: This project will enhance the skills of mathematics, science, and technology teachers through a series of workshops and mentoring opportunities.

***Brown, Randal***

***Awarded: \$36,750***

*Special Education Recruitment and Retention Grant*

Granting Agency: Texas A&M University Texarkana/Texas Education Agency

Purpose: Will provide workshops, summer camps, and stipends to support teacher training, seminar activities, summer camp activities or activities which directly supports special education teacher recruitment and retention.

***Greninger, Elizabeth***

***Awarded: \$99,817***

*TAMIU Regional Science Collaborative Science Grant*

Granting Agency: Texas Regional Science Collaborative at Austin, Texas

Purpose: This grant will provide for a minimum of 105 total contact hours of training in high quality, research-based professional development to teachers of science.

## ***College of Nursing and Health Sciences***

***Burkhalter, Natalie***

***Awarded: \$152,031***

*TAMIU Disadvantaged Nursing Student Scholarships (DNSS)*

Granting Agency: Health Resources and Services Administration

Purpose: To increase nursing education opportunities for individuals from educationally and economically disadvantaged backgrounds and from underrepresented racial/ethnic minority groups by providing scholarships.

## ***Office of Special Programs***

### ***Madrigal, Julio***

*AmeriCorps*

***Awarded: \$319,793***

Granting Agency: OneStar National Service Commission Board

Purpose: This grant will provide the resources to establish a volunteer Community Service Initiative (CSI) at TAMIU with a structured and coordinated approach to providing volunteer services by undergraduate and graduate students.

### ***AmeriCorps Planning Grant***

***Awarded: \$33,483***

Granting Agency: OneStar National Service Commission Board

Purpose: The purpose of the project is to provide services focused on youth educational attainment to mostly Hispanic, economically disadvantaged, first-generation students, including migrant and seasonal farm workers, in the following South Texas counties: Val Verde, Maverick, Dimmit, Zavala, Zapata, Webb, Jim Hogg, Duval, and La Salle. The project will be conducted in collaboration with TAMIU's two HEP, CAMP and two GEAR UP programs, as well as with the 10 partner school districts in each of the nine counties served.

### ***College Assistance Migrant Program (CAMP)***

***Awarded: \$2,124,886***

Granting Agency: U.S. Department of Education

Purpose: Texas A&M International University (TAMIU) CAMP provides services to eligible low-income, migrant and seasonal farm workers. The main purpose of the program is to enable students to successfully obtain the equivalent of a secondary school diploma and subsequently to gain employment or be placed in an institution of higher education.

### ***TAMIU MSEIP Special Project***

***Awarded: \$299,997***

Granting Agency: U.S. Department of Education

Purpose: During the three-year grant period, the TAMIU MSEIP Special Project seeks to prepare and motivate 90 low-income and potential first-generation college students from underrepresented groups to complete secondary education and enter and succeed in a postsecondary education program that will lead to careers in scientific and technological fields.

### ***TAMIU Upward Bound Math and Science***

***Awarded: \$999,996***

Granting Agency: U.S. Department of Education

Purpose: The Project supports the goal of Upward Bound Math and Science (UBMS) Program to develop the skills and motivation necessary for success in a program of postsecondary education that leads to careers in math and science. The proposed UBMS is designed to annually provide services to 50 eligible low-income and/or first-generation college students that have a need for academic support.

### ***Texas Pre-Freshman Engineering Program 2009 (TexPREP) (GTF)***

***Awarded: \$40,280***

Granting Agency: Greater Texas Foundation Flow thru University of Texas San Antonio

Purpose: The purpose of this project is to identify high achieving middle and high school students with the interest and potential for careers in engineering, science, technology, and other mathematics related areas and to reinforce their pursuit of these fields.

### ***Office of Special Programs (con'd.)***

*Texas Pre-Freshman Engineering Program 2009 (TexPREP) (State)*

***Awarded: \$14,240***

Granting Agency: State Flow thru University of Texas San Antonio

Purpose: The purpose of this project is to identify high achieving middle and high school students with the interest and potential for careers in engineering, science, technology, and other mathematics related areas and to reinforce their pursuit of these fields.

### ***Office of Programs for Academic Support and Enrichment***

***Hickey, Concepción***

***Awarded: \$50,000***

*CEE Support*

Granting Agency: Texas Higher Education Coordination Board (THECB)

Purpose: To support the work of the Council for Educational Excellence that is engaged in increasing the participation and success of our area ISDs students in post secondary education. The CEE needs fiscal resources to bring to fruition projects that have been identified as supporting the State's goals for Closing the Gaps.

*Columbia Teachers College Intensive Summer College Math Prep Program*

***Awarded: \$109,262***

Granting Agency: Texas Higher Education Coordination Board (THECB)

Purpose: The National Center for Postsecondary Research (NCP) at Teachers College, Columbia University uses rigorous research methods to evaluate programs that contribute to student access to college and success. The research on Developmental Summer Bridge (DSB) programs is intended to assess their effectiveness in helping students enter college academically prepared and to complete college in a timely way. Each college collaborating in the research will undertake a set of program and research-related activities and receive funding to support these activities. The goals of the Intensive College Prep program at TAMIU are to help remedial students who are not yet prepared to enter college level math to improve one or more levels within the developmental sequence and to help students enter and succeed in college in the fall following participation in the program and beyond.

*Council for Education Excellence (P-16 Enhancement Grant)*

***Awarded: \$15,000***

Granting Agency: Texas Higher Education Coordination Board (THECB)

Purpose: This project will prepare 100 students in the Laredo area who are under-prepared in math, writing, and reading become ready for college level coursework.

*Intensive Summer College Math Prep Program*

***Awarded: \$259,985***

Granting Agency: Texas Higher Education Coordination Board (THECB)

Purpose: To improve the mathematical knowledge and skills of potential college going students who graduated from high school and have not yet met the Texas Success Initiative standards for college readiness. Students who participate in this program will likely eliminate or lessen their need for developmental classes.

## ***Office of Vice President for Academic Affairs***

***Trevino, Mary***

***Awarded: \$87,000***

*Phase II - Utility Resource Education Network - A Guide to Lower Costs*

Granting Agency: State Energy Conservation Office

Purpose: Texas A&M International University (TAMIU) in collaboration with Texas A&M College of Architecture's Center for Housing and Urban Development (CHUD) seeks to implement a second phase of the **Utility Resource Education Network-A Guide to Lower Utility Cost** in an effort to provide a renewable energy conservation education program to residents in the South Texas region, primarily to Laredo and surrounding communities. Both TAMIU and CHUD are well positioned to operate the proposed program, due to their involvement with the targeted communities.

### ***Sue & Radcliffe Killam Library***

***Borchers, Celita***

***Awarded: \$1,250***

*"Read, Imagine, Create"*

Granting Agency: Humanities Texas

Purpose: The main goal of the proposed *Read, Imagine and Create* project is to promote literacy by offering reading cycles for children and their parents.

***Webb, Rodney***

***Awarded: \$2,500***

*Lincoln: The Constitution and the Civil War - A Traveling Exhibition to Libraries*

Granting Agency: National Endowment for the Humanities

Purpose: This grant will provide funds to bring the Lincoln: The Constitution and the Civil War exhibit to the Sue and Radcliffe Killam Library.

### ***Other***

***Frey, Anne***

***Awarded: \$500***

*NCURA Region V Quinten S. Mathews Travel Scholarship Award*

Granting Agency: National Council of Universities Research Administrators

Purpose: To attend the regional NCURA annual conference.

## **Fiscal Year 2008-2009 Continuation Projects**

**Note:** Continuation projects reflect the grant amount received this fiscal year only.

### ***College of Arts and Sciences***

***Daniel, Mike***

*Joint Admission Medical Program (JAMP)*

***Awarded: \$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.

## ***College of Arts and Sciences (cont'd)***

### ***Mandal, Hari***

*Welch Foundation Chemistry Departmental Research*

***Awarded: \$15,000***

Granting Agency: The Welch Foundation

Purpose: Support the chemical research being done by the faculty members in the biology and chemistry department and to provide an opportunity for students to study chemistry in a less structured way.

### ***Mott, Daniel J.***

***Awarded: \$160,584***

*Promoting Undergraduate Education Now Through Experimental Science (PUENTES)*

Granting Agency: National Institute of Health (NIH)

Purpose: To recruit under-represented minority (LCC) students with an interest in biomedical science. It also plans to strengthen students' performance in science while enrolled at the community college, and to provide them with the experience and training that will ensure success in a four-year college or university.

### ***Tobin, Kenneth***

*Methodologies for Applying TRMM -Estimated Precipitation*

***Awarded: \$37,427***

*Data to Hydrologic Modeling of Watersheds in the South Texas-Mexico Borderland Region*

Granting Agency: National Aeronautics and Space Administration

Purpose: This project is in the second year of implementation with a goal to expand the interdisciplinary study of satellite-based precipitation estimates, from missions such as the current TRMM and the future GPM, in the context of quantifying the regional water balance of the Middle Río Grande and Nueces River Basins at hourly time-scales.

### ***Vaughan, Thomas C.***

***Awarded: \$16,000***

*Environmental Monitoring and Assessment (EMA)*

Granting Agency: Texas A&M University at Kingsville/National Science Foundation

Purpose: This project is to improve the fundamental understanding of the scale-dependent behavior of air and water pollution in the semi-arid lands and shorelines through monitoring and subsequent assessment of these critical resources areas, and thus contribute to sustainable infrastructure development in South Texas.

### ***Wu, Fuming/ Lin, Runchang***

***Awarded: \$125,000***

*Mathematics and Engineering Best (ME-Best)*

Granting Agency: National Science Foundation

Purpose: Provide an increase in the number of low-income students who are ethnic minorities, women, or persons with disabilities to enter undergraduate and graduate studies in STEM fields.

## ***College of Education***

### ***Alaniz, Ramón***

***Awarded: \$139,055***

*Excellence in Early Childhood Education (E<sup>3</sup>)*

Granting Agency: U.S. Department of Health & Human Services

Purpose: Increase the number of qualified personnel in early childhood education.

## ***College of Education (cont'd)***

### ***Gonzalez, Humberto***

*Alternative Transition to Teaching (AT<sup>3</sup>P)*

***Awarded: \$383,149***

Granting Agency: U. S. Department of Education

Purpose: The goal of the AT<sup>3</sup>P is to produce 600 highly qualified certified teachers to serve in high-need schools operated by high-need Local Education Agencies (LEAs) within a five-year period who will remain in the teaching profession for three years or more.

*Early College High School*

***Awarded: \$75,000***

Granting Agency: TAMU/ Bill & Melinda Gates Foundation

Purpose: To serve as the intermediary organization to manage the effort to establish Early College High Schools in collaboration with selected A&M system universities and school districts.

### ***Vargas, Miroslava***

***Awarded: \$649,998***

*Hispanic Student Success Initiative: Preparing Tomorrow's Teachers Today*

Granting Agency: U.S. Department of Education

Purpose: The goal of this collaborative project between Texas A&M International University and Laredo Community College is to increase the number of students admitted into the TAMIU College of Education. The project seeks to strengthen the advisement system and retention efforts and to develop a seamless transfer system for students enrolled at LCC and transferring to TAMIU.

## ***Office of Special Programs***

### ***Madrigal, Julio F.***

***Awarded: \$698,299***

*Creating a Vision II*

Granting Agency: U. S. Department of Education

Purpose: This multi-year project will provide services to a cohort of 7<sup>th</sup> graders enrolled in the Antonio González Middle School, George Washington Middle School and Dr. Joaquín González Cigarroa Middle School. The project seeks to strengthen 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 and 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 III (GEAR UP)*

***Awarded: \$691,200***

Granting Agency: U. S. Department of Education

Purpose: This multi-year collaborative project will serve 930 seventh grade students from Hebronville Junior High School, Bernarda Jaime Junior High School, Benavides Secondary School, Carrizo Springs Junior High School, Zapata Middle School, Newman Middle School, and Fly Junior High School and continue to their respective area high schools. The project seeks to strengthen existing academic strategies, implement new programs, raise academic standards, provide academic support for students, improve teacher training and increase student knowledge of higher education opportunities and admissions. It will also 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.



### ***Office of Special Programs (cont'd)***

#### ***TAMIU College Assistance Migrant Program (CAMP)***

***Awarded: \$339,357***

Granting Agency: U. S. Department of Education

Purpose: Texas A&M International University (TAMIU) CAMP provides services to eligible low-income, migrant and seasonal farm workers. The main purpose of the program is to enable students to successfully obtain the equivalent of a secondary school diploma and subsequently to gain employment or be placed in an institution of higher education.

#### ***TAMIU High School Equivalency (HEP)***

***Awarded: \$415,052***

Granting Agency: U. S. Department of Education

Purpose: Help migrant and seasonal farm workers and their children obtain the equivalent of a secondary school diploma and subsequently gain employment or be placed in an institution of higher education or other post secondary education or training.

### ***Office of Programs for Academic Support and Enrichment***

#### ***Valle, Leticia***

***Awarded: \$248,063***

*TRiO Program – Student Support Services*

Granting Agency: U. S. Department of Education

Purpose: The Student Support Service (SSS) Program provides services to eligible low-income, first-generation and students with disabilities. The main goal of the TRiO SSS is to motivate and help students complete their post-secondary education. The SSS provides academic and financial support services, cultural, career and educational activities to help participants reach their academic goals.

### ***Office of Vice President for Academic Affairs***

#### ***Lira, Juan***

***Awarded: \$356,500***

*Educational Excellence Project: Teaching, Technology and Learning*

Granting Agency: U. S. Department of Education

Purpose: This project will strengthen academic offerings and program quality by: (1) improving student achievement in mathematics by offering tutorial and counseling services, (2) providing computer labs for mathematics and related fields, (3) providing faculty development in the areas of curriculum design, working with diverse populations, assessment and instructional strategies through the use of technology, and (4) providing support to the Council on Educational Excellence which aims to expand the educational opportunities for and improve the academic secondary school programs, and (5) creating an endowment to support college students who have excelled in rigorous high school programs included in the SMART fields.

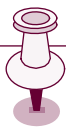
### ***Congressionally Directed Grant Award***

***Awarded: \$214,431***

*Texas A&M Green Campus Research Initiative*

Granting Agency: U.S. Department of Energy

Purpose: This project will allow for the ability to conduct solar renewable energy demonstration and research, create a Green TAMIU campus, and improve the energy-efficiency of campus buildings.



# FY 2008-2009 OGR Events...

## Second Annual Grant Awards Recognition Gala



From left to right: Dr. Hari D. Mandal holding the Largest Sponsored Research Award for Junior Faculty; Dr. Humberto R. Gonzalez holding the Largest Sponsored Research Award for Tenured Faculty; Dr. Juan R. Lira holding the Largest Sponsored Program Award; Dr. Julio F. Madrigal holding the Most Submissions Award; and Dr. Juan H. Hinojosa holding the Most Sponsored Research Submissions Award



Dr. Tongdan Jin holding the Most Sponsored Research Submissions Award for Junior Faculty.



From left to right: Dr. Jeff Brown, Dr. Qingwen Ni (recipient of Honorary Mention 2nd Largest Sponsored Research Award Tenured Faculty), and Cristina Hernández



From left to right: Dr. Jeff Brown, Dr. David Beck (recipient of Honorary Mention for 2nd Most Sponsored Research Submission Award Junior Faculty) and Cristina Hernández

## Seminars and Training

**Research Seminars**, for faculty and staff involved in proposal preparation, scheduled annually in the fall and spring. Included are presentations by experienced researchers, and local/national/international speakers.

For past seminar resources go to:

<http://www.tamtu.edu/gradschool/grant/workshops.shtml>

**Saturday, October 10, 2009**

**David C. Morrison, Ph.D.**

Presents

***Writing Winning Grants***

**8:00 a.m. to 5:00 p.m.**

**Western Hemispheric Trade Center room 116**

TAMTU will host an **all-day grant writing seminar on October 10, 2009**, presented by Dr. David C. Morrison, co-founder and member of the Grant Writers' Seminar & Workshops. After earning his Ph.D. at Yale in Molecular Biology and Biophysics, he worked as a postdoctoral research fellow with the National Institutes of Health and the Scripps Research Institute. After working at Emory University School of Medicine as a professor and Director of Graduate Studies, he was appointed Chairman of the Department of Microbiology at the University of Kansas Medical Center and Associate Director of Basic Research in the Cancer Center as Kansas Mason's Distinguished Professor of Cancer Research. In order to bring Dr. Morrison to our campus, TAMTU was awarded a Federation of American Societies for Experimental Biology (FASEB) Minority Access to Research Careers (MARC) grant.

Students, faculty and staff are all welcome. All participants will receive a "Write Winning Grants" booklet as well as another grant writing booklet specific to an agency. The four booklet choices include: the National Institutes of Health, the National Science Foundation, the US Department of Agriculture and one suitable for any agency.

Non-TAMTU employees and students are also welcome, but will be charged a \$90 fee for registration and booklets. *Both breakfast and lunch will be served at this all-day seminar.*

For registration, go online to: <http://www.tamtu.edu/gradschool/grant/seminarform.cfm> or call the OGR office at 326-3025.


# University Research Grant Awardees 2009-2010

Congratulations to the faculty members receiving University Research Grants for 2009. A total of \$210,611 in course-releases, summer stipends, equipment, funding for travel and research assistant salaries was awarded to the following 27 faculty members. The OGR staff looks forward to assisting these faculty members and all others applying for external sponsored research grants in the coming year.

Dr. Candace Baker  
Dr. David Beck  
Dr. Fethi Belkhouche  
Dr. Palash Bera  
Dr. Mary Chavez  
Dr. Christopher Ferguson  
Dr. Robert Haynes  
Dr. Carlene Henderson  
Dr. Eugenio Jaramillo

Dr. Tongdan Jin  
Dr. Ned Kock  
Dr. Runchang Lin  
Dr. Diana Linn  
Dr. Hari Mandal  
Dr. Mehnaaz Momen  
Dr. Angel Marcela Moran  
Dr. Qingwen Ni  
Dr. James Norris

Dr. Kyung-Shin Park  
Dr. Amy Poland  
Dr. George Potter  
Dr. Claudia San Miguel  
Dr. Jerry Thompson  
Dr. Marivic Torregosa  
Dr. Haibo Wang  
Dr. Judith Ann Warner  
Dr. Fuming Wu



**University Research Grants (URG)  
Summary Data for PIs Requesting External  
Funds during 2008-2009**

<b>Number of Proposals Submitted.....</b>	<b>31</b>
<b>Dollars Amount Requested.....</b>	<b>\$8,184,324</b>
<b>Number of Proposals Pending.....</b>	<b>23</b>
<b>Dollar Amount for Proposals Pending.....</b>	<b>\$6,777,469</b>

## Texas A&M International University

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[www.tamiau.edu/gradschool/grant/  
grants@tamiau.edu](http://www.tamiau.edu/gradschool/grant/grants@tamiau.edu)

## About the Office of Grant Resources

The Office of Grant Resources (OGR), a unit within the Office of Graduate Studies and Research, supports and provides services for faculty and staff in securing external funds from public and private agencies. Emphasis is placed on securing funds to achieve the University's priorities. The Office supports the contract and grant writing activities of the faculty and staff through all stages of the project -- from the initial planning through project completion.



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