

**The University of Texas Health Science Center at San Antonio
State Grant Awards Paid From
Funds Appropriated by the General Appropriation Act (GAA)**

Background:

House Bill 1487, 83rd Legislature, Regular Session, requires state agencies and institutions of higher education that award a state grant in an amount greater than \$25,000 from funds appropriated through the General Appropriations Act (GAA) to publish the purpose for which the grant was awarded on the agency's public website effective September 1, 2013 (Reference section 403.0245, Texas Government Code).

This document provides a list of such awards.

Agency	Principal Investigator	Purpose	FY 2024 Award
The University of Texas at Arlington	Kamal Awad	Prime Award for project: Engineered 3D Bioprinted Muscle Grafts Loaded with Prostaglandin E2 for Volumetric Muscle Loss	\$200,000
The University of Texas at Arlington	Barbara Schneider	A Pre-Hospital Hyperbaric Oxygen Regimen to Stimulate Skeletal Muscle Regeneration After Blunt Trauma	\$100,000
The University of Texas at Arlington	Muthu Wijesundara	Prime Award for project: Adaptive Spine Board Overlay for Pressure Injury Prevention and Vibration Reduction During Long-Range Aeromedical Evacuations	\$451,615
The University of Texas at Austin	Tatiana Cardenas	Subaward for project: Project TRUST - Trauma Recovery Using Support from Trauma-Informed-Care Approach	\$10,000
The University of Texas at Austin	Kevin Dalby	Subaward for project: Novel Pharmacologic Strategies to Mitigate Post-Traumatic Extremity Complications	\$20,887
The University of Texas at Austin	Joseph DuBose	Subaward for project: Identifying SUR1/TRPM4 Polymorphisms to Reduce Contusion Expansion After Traumatic Brain Injury: Clinical Trial Planning Grant	\$30,448
The University of Texas at Austin	Joseph DuBose	Subaward for project: Pediatric Prospective Observational Vascular Injury Trial (Pedi Proovit)	\$12,012
The University of Texas at Austin	Nicolas Peppas	Subaward for project: Evaluation of in Situ Forming Gels in Retinal Cellular Models of Traumatic Optic Neuropathy	\$100,000
The University of Texas at Austin	Jasper Smits	Subaward for project: Targeted Plasticity Therapy for the Treatment of Post-Traumatic Stress Disorder	\$373,233
The University of Texas at Dallas	Baowei Fei	Subaward for project: Novel Short Wave Assessment Tool in Texas (SWATT) to enhance burn Tissue Viability Assessment	\$16,500
The University of Texas at Dallas	Yongsheng Gao	Prime award for project: A Polyrotaxane-Based Systemic Hemostatic Agent	\$100,000
The University of Texas at Dallas	Seth Hays	Prime award for project: Targeted Plasticity Therapy for the Treatment of Post-Traumatic Stress Disorder	\$126,691

The University of Texas at Dallas	Theodore Price	Prime award for project: Targeting Nerve Growth Factor-Driven MNK Signaling to Prevent Pain and Promote Tissue Recovery in Complex Trauma	\$249,636
The University of Texas at Dallas	Ana Solodkin	Subaward for project: Neurovascular Coupling and Disorders of Consciousness in Severe Traumatic Brain Injury	\$2,828
The University of Texas at El Paso	Wilson Poon	Prime award for project: Nanoparticle-Enabled Immunomodulation for Sepsis Prevention in Trauma and Combat Casualty	\$200,000
The University of Texas Health Science Center at Houston	Bryan Cotton	Prime award for project: An Assessment of Green Plasma: The Potential Hemostatic Superiority of a Currently Discarded Blood Product	\$452,493
The University of Texas Health Science Center at Houston	Charles Cox	Prime award for project: Freeze Dried Mechotransduced MSC Derived Exosomes for Neurological Injury	\$499,862
The University of Texas Health Science Center at Houston	Charles Cox	Prime award for project: Identifying SUR1/TRPM4 Polymorphisms to Reduce Contusion Expansion After Traumatic Brain Injury: Clinical Trial Planning Grant	\$213,664
The University of Texas Health Science Center at Houston	Pramod Dash	Prime award for project: Consequences of TBI in Aged Animals with Abeta Pathology	\$483,638
The University of Texas Health Science Center at Houston	Natalie Drucker	Prime award for project: Pediatric Prospective Observational Vascular Injury Trial (Pedi Proovit)	\$184,072
The University of Texas Health Science Center at Houston	John Harvin	Subaward for project: Novel Short Wave Assessment Tool in Texas (SWATT) to enhance burn Tissue Viability Assessment	\$30,250
The University of Texas Health Science Center at Houston	Gabrielle Hatton	Prime award for project: Assessment of the Relationship Between Statins, Microvascular Dysregulation, and Venous Thromboembolism in Severely Injured Trauma Patients	\$200,000
The University of Texas Health Science Center at Houston	Cynthia Ju	Prime award for project: Investigation of the Therapeutic Potential of Eosinophils to Attenuate Trauma and Combat Casualty-Related Liver Injury	\$492,789
The University of Texas Health Science Center at Houston	Yafen Liang	Prime award for project: Prevention of Hemorrhagic Shock-Induced Acute Kidney Injury by Targeting Hypoxia-Sensitive ATP4A with Pantoprazole: A Prospective Randomized Controlled Trial	\$500,000
The University of Texas Health Science Center at Houston	Martinez-Ugarte	Subaward for project: Project TRUST - Trauma Recovery Using Support from Trauma-Informed-Care Approach	\$10,000
The University of Texas Health Science Center at Houston	David Myer	Prime award for project: Hemodynamic Management Following Acute Traumatic Spinal Cord Injury: A Pilot Randomized, Controlled Trial	\$288,511
The University of Texas Health Science Center at Houston	Yankai Wen	Prime award for project: Role of Neutrophil-Derived Hypoxia-Inducible Factor 1 Alpha in Liver Injury	\$100,000
The University of Texas Health Science Center at Houston	Yang Yang	Prime award for project: A Novel Role of Eosinophil-Specific Cyclooxygenase-2 in Trauma-Related Liver Injury	\$200,000
The University of Texas Medical Branch at Galveston	Alison Coady	Prime award for project: Targeting Polytrauma-Induced Immunosuppression in a Novel Model of Invasive Fungal Disease	\$98,899

The University of Texas Medical Branch at Galveston	Celeste Finnerty	Prime award for project: Novel Strategies for Reducing Burn Scar Itch	\$499,537
The University of Texas Medical Branch at Galveston	Celeste Finnerty	Prime award for project: Identification of Subtypes in Texas Burn Injuries: from Registries to Targeted Patient Care	\$98,832
The University of Texas Medical Branch at Galveston	Peter Kan	Prime award for project: Biorepository for Chronic Subdural Hematoma Treatment with Embolization Versus Surgery Study	\$499,833
The University of Texas Medical Branch at Galveston	Juquan Song	Prime award for project: Target Treatment of High Mobility Group Box 1 (HMGB1) Alleviates Skeletal Muscle Impairment in Burn and Hindlimb Unloaded Rats	\$425,813
The University of Texas Medical Branch at Galveston	Joseph Wenke	Prime award for project: Molecular Iodine for Advanced Complex Wound Management	\$99,519
The University of Texas Medical Branch at Galveston	Steven Wolf	Subaward for project: Identifying SUR1/TRPM4 Polymorphisms to Reduce Contusion Expansion After Traumatic Brain Injury: Clinical Trial Planning Grant	\$30,448
The University of Texas Medical Branch at Galveston	Steven Wolf	Subaward for project: Novel Short Wave Assessment Tool in Texas (SWATT) to enhance burn Tissue Viability Assessment	\$38,500
The University of Texas Rio Grand Valley	Khalid Benamar	Prime award for project: Chronic Pain and Depression: Towards Effective Management of both Comorbidities	\$500,000
The University of Texas at San Antonio	Hugo Giambini	Prime award for project: Accelerated Performance and Health Recovery of Skeletal Muscle Using Autophagy Modulators After Ischemia Reperfusion Injury	\$100,000
The University of Texas at San Antonio	Maria Gonzalez Porras	Prime award for project: Nanoparticle-Mediated Modulation of Adipocyte Thermogenic Activity for Cold-Induced Injury	\$100,000
The University of Texas at San Antonio	Jenny Hsieh	Prime award for project: Human Brain Organoid Transplants into the Mouse Motor Cortex as a Neural Repair Model and Therapeutic	\$98,614
The University of Texas at San Antonio	Chia Hsu	Prime award for project: Enhancing Neuromuscular Recovery Following Peripheral Nerve Injury by Inhibiting NLRP3 Inflammasome	\$99,974
The University of Texas at San Antonio	Alisa Isaac	Prime award for project: Tissue Damages Mimetic Biomaterials for Regeneration of Critical Sized Bone Defects	\$200,000
The University of Texas at San Antonio	Amina Qutub	Subaward for project: Texas Trauma System Performance Improvement Activity to Identify and Remediate Delays in the Transfer of Critically Injured Patients	\$393,063
The University of Texas at San Antonio	Amina Qutub	Subaward for project: Novel Short Wave Assessment Tool in Texas (SWATT) to enhance burn Tissue Viability Assessment	\$16,500
The University of Texas at San Antonio	Marissa Wechsler	Prime award for project: Evaluation of in Situ Forming Gels in Retinal Cellular Models of Traumatic Optic Neuropathy	\$100,000
The University of Texas Southwestern Medical Center	Jessica Billig	Prime award for project: Financial Toxicity Associated with Upper Extremity Trauma	\$100,000

The University of Texas Southwestern Medical Center	Linda Dultz	Subaward for project: Identifying SUR1/TRPM4 Polymorphisms to Reduce Contusion Expansion After Traumatic Brain Injury: Clinical Trial Planning Grant	\$28,353
The University of Texas Southwestern Medical Center	Laurent Gautron	Prime award for project: Physiological and Molecular Determinants of Shock-Induced Torpor in the Mouse	\$500,000
The University of Texas Southwestern Medical Center	Benjamin Levi	Prime award for project: Novel Short Wave Assessment Tool in Texas (SWATT) to enhance burn Tissue Viability Assessment	\$1,398,250
The University of Texas Southwestern Medical Center	Benjamin Levi	Prime award for project: Novel Pharmacologic Strategies to Mitigate Post-Traumatic Extremity Complications	\$479,113
The University of Texas Southwestern Medical Center	Benjamin Levi	Subaward for project: Targeting Nerve Growth Factor-Driven MNK Signaling to Prevent Pain and Promote Tissue Recovery in Complex Trauma	\$250,000
The University of Texas Southwestern Medical Center	Prashant Mishra	Prime award for project: Targeting JMJD3 to Enhance Recovery from Muscle Trauma	\$497,829
The University of Texas Southwestern Medical Center	Vanessa Nomellini	Prime award for project: Mechanisms of Poloxamer 188 in Burn Injury	\$477,728
The University of Texas Southwestern Medical Center	Caroline Park	Subaward for project: Project TRUST - Trauma Recovery Using Support from Trauma-Informed-Care Approach	\$10,000
The University of Texas Southwestern Medical Center	Kartavya Sharma	Prime award for project: Neurovascular Coupling and Disorders of Consciousness in Severe Traumatic Brain Injury	\$97,172
The University of Texas Southwestern Medical Center	Yi-Ting Tzen	Subaward for project: Adaptive Spine Board Overlay for Pressure Injury Prevention and Vibration Reduction During Long-Range Aeromedical Evacuations	\$29,449
The University of Texas Southwestern Medical Center	Alex Valadka	Prime award for project: Transcutaneous Auricular Neurostimulation in TBI (TAN-TBI)	\$100,000
The University of Texas Southwestern Medical Center	Neda Vishlaghi	Prime award for project: Identifying the Role of Lymphatic Vessels in Tendon Healing	\$200,000
The University of Texas Southwestern Medical Center	Zaili Yang	Prime award for project: Dissecting the Function of ER Stress During Skin Wound Repair	\$200,000
The University of Texas Southwestern Medical Center	Qing Zou	Prime award for project: Development of Ultra-Fast Cardiac MR Protocol for Cardiac Trauma Evaluation and Diagnosis	\$200,000
The University of Texas Health Science Center at Tyler	Alan Cook	Subaward for project: Texas Trauma System Performance Improvement Activity to Identify and Remediate Delays in the Transfer of Critically Injured Patients	\$80,930
The University of Texas Health Science Center at Tyler	Tuan Le	Prime award for project: Investigating Trends and Risk Factors Associated with Traumatic and Chemical Injuries Among U.S. Service Members, 2001-2023	\$99,999
The University of Texas at Tyler	Shawana Tabassum	Prime award for project: Wearable Sweat Monitoring Device for Real-Time Analysis of Traumatic Brain Injury Biomarkers	\$100,000