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	Thoodoro	Drives award for project Torrecting Names Crowth	#040 606
The University of	Theodore	Prime award for project: Targeting Nerve Growth	\$249,636
Texas at Dallas	Price	Factor-Driven MNK Signaling to Prevent Pain and	
	A O . I II	Promote Tissue Recovery in Complex Trauma	#0.000
The University of	Ana Solodkin	Subaward for project: Neurovascular Coupling and	\$2,828
Texas at Dallas		Disorders of Consciousness in Severe Traumatic	
The Heisensite of	Miles Design	Brain Injury	#200 000
The University of	Wilson Poon	Prime award for project: Nanoparticle-Enabled	\$200,000
Texas at El Paso		Immunomodulation for Sepsis Prevention in	
The Heisensite of	Division Cattle	Trauma and Combat Casualty	#450 400
The University of	Bryan Cotton	Prime award for project: An Assessment of Green	\$452,493
Texas Health Science		Plasma: The Potential Hemostatic Superiority of a	
Center at Houston	Charles Cox	Currently Discarded Blood Product	¢400.962
The University of	Chanes Cox	Prime award for project: Freeze Dried	\$499,862
Texas Health Science		Mechotransduced MSC Derived Exosomes for	
Center at Houston	Ob auton Cov	Neurological Injury	#040.004
The University of	Charles Cox	Prime award for project: Identifying SUR1/TRPM4	\$213,664
Texas Health Science		Polymorphisms to Reduce Contusion Expansion	
Center at Houston		After Traumatic Brain Injury: Clinical Trial Planning	
The Heisensite of	Duama d Daah	Grant	#400.000
The University of	Pramod Dash	Prime award for project: Consequences of TBI in	\$483,638
Texas Health Science		Aged Animals with Abeta Pathology	
Center at Houston	Natalia	Drive a covered for music st. De dietric Dresse estive	¢404.070
The University of	Natalie	Prime award for project: Pediatric Prospective	\$184,072
Texas Health Science	Drucker	Observational Vascular Injury Trial (Pedi Proovit)	
Center at Houston	laba Hamia	Cub surged for project Nevel Chart Ways	#20.250
The University of	John Harvin	Subaward for project: Novel Short Wave	\$30,250
Texas Health Science		Assessment Tool in Texas (SWATT) to enhance	
Center at Houston	Calaria II.a	burn Tissue Viability Assessment	#200 000
The University of	Gabrielle	Prime award for project: Assessment of the	\$200,000
Texas Health Science	Hatton	Relationship Between Statins, Microvascular	
Center at Houston		Dysregulation, and Venous Thromboembolism in	
The Heisensite of	O mathin live	Severely Injured Trauma Patients	#400 700
The University of	Cynthia Ju	Prime award for project: Investigation of the	\$492,789
Texas Health Science		Therapeutic Potential of Eosinophils to Attenuate	
Center at Houston	Votenliene	Trauma and Combat Casualty-Related Liver Injury	¢ E00 000
The University of Texas Health Science	Yafen Liang	Prime award for project: Prevention of	\$500,000
		Hemorrhagic Shock-Induced Acute Kidney Injury	
Center at Houston		by Targeting Hypoxia-Sensitive ATP4A with	
		Pantoprazole: A Prospective Randomized Controlled Trial	
The University of	Martinez-	Subaward for project: Project TRUST - Trauma	\$10,000
The University of Texas Health Science		Recovery Using Support from Trauma-Informed-	φ10,000
Center at Houston	Ugarte	Care Approach	
The University of	David Myer	Prime award for project: Hemodynamic	\$288,511
Texas Health Science	David Wiyel	Management Following Acute Traumatic Spinal	φ200,511
Center at Houston		Cord Injury: A Pilot Randomized, Controlled Trial	
The University of	Yankai Wen	Prime award for project: Role of Neutrophil-	\$100,000
Texas Health Science	I alikal VVCII	Derived Hypoxia-Inducible Factor 1 Alpha in Liver	ψ100,000
Center at Houston		Injury	
The University of	Yang Yang	Prime award for project: A Novel Role of	\$200,000
Texas Health Science	rang rang	Eosinophil-Specific Cyclooxygenase-2 in Trauma-	Ψ200,000
Center at Houston		Related Liver Injury	
The University of	Alison Coady	Prime award for project: Targeting Polytrauma-	\$98,899
Texas Medical Branch	Alison Coauy	Induced Immunosuppression in a Novel Model of	ψ συ, υ σ σ
at Galveston		Invasive Fungal Disease	
at Gaiveston	1	I IIIvasive i uliyai Disease	

The Heimenster of	Calaata	Duine a several for anning to Navel Chapteries for	¢400 507
The University of	Celeste	Prime award for project: Novel Strategies for	\$499,537
Texas Medical Branch	Finnerty	Reducing Burn Scar Itch	
at Galveston		B: 16 : 111 ::5 :: 1011	400.000
The University of	Celeste	Prime award for project: Identification of Subtypes	\$98,832
Texas Medical Branch	Finnerty	in Texas Burn Injuries: from Registries to Targeted	
at Galveston	5	Patient Care	* 400 000
The University of	Peter Kan	Prime award for project: Biorepository for Chronic	\$499,833
Texas Medical Branch		Subdural Hematoma Treatment with Embolization	
at Galveston		Versus Surgery Study	
The University of	Juquan Song	Prime award for project: Target Treatment of High	\$425,813
Texas Medical Branch		Mobility Group Box 1 (HMGB1) Alleviates Skeletal	
at Galveston		Muscle Impairment in Burn and Hindlimb Unloaded	
		Rats	
The University of	Joseph	Prime award for project: Molecular lodine for	\$99,519
Texas Medical Branch	Wenke	Advanced Complex Wound Management	
at Galveston		·	
The University of	Steven Wolf	Subaward for project: Identifying SUR1/TRPM4	\$30,448
Texas Medical Branch		Polymorphisms to Reduce Contusion Expansion	
at Galveston		After Traumatic Brain Injury: Clinical Trial Planning	
		Grant	
The University of	Steven Wolf	Subaward for project: Novel Short Wave	\$38,500
Texas Medical Branch		Assessment Tool in Texas (SWATT) to enhance	400,000
at Galveston		burn Tissue Viability Assessment	
The University of	Khalid	Prime award for project: Chronic Pain and	\$500,000
Texas Rio Grand	Benamar	Depression: Towards Effective Management of	ψ500,000
Valley	Delialilai	both Comorbidities	
The University of	Нидо	Prime award for project: Accelerated Performance	\$100,000
	Hugo Giambini		\$100,000
Texas at San Antonio	Giambini	and Health Recovery of Skeletal Muscle Using	
		Autophagy Modulators After Ischemia Reperfusion	
The Heisensite of	Marria	Injury	# 400,000
The University of	Maria	Prime award for project: Nanoparticle-Mediated	\$100,000
Texas at San Antonio	Gonzalez	Modulation of Adipocyte Thermogenic Activity for	
	Porras	Cold-Induced Injury	***
The University of	Jenny Hsieh	Prime award for project: Human Brain Organoid	\$98,614
Texas at San Antonio		Transplants into the Mouse Motor Cortex as a	
		Neural Repair Model and Therapeutic	
The University of	Chia Hsu	Prime award for project: Enhancing	\$99,974
Texas at San Antonio		Neuromuscular Recovery Following Peripheral	
		Nerve Injury by Inhibiting NLRP3 Inflammasome	
The University of	Alisa Isaac	Prime award for project: Tissue Damages Mimetic	\$200,000
Texas at San Antonio		Biomaterials for Regeneration of Critical Sized	
		Bone Defects	
The University of	Amina Qutub	Subaward for project: Texas Trauma System	\$393,063
Texas at San Antonio		Performance Improvement Activity to Identify and	
		Remediate Delays in the Transfer of Critically	
		Injured Patients	
The University of	Amina Qutub	Subaward for project: Novel Short Wave	\$16,500
Texas at San Antonio		Assessment Tool in Texas (SWATT) to enhance	, , , , , , ,
		burn Tissue Viability Assessment	
The University of	Marissa	Prime award for project: Evaluation of in Situ	\$100,000
Texas at San Antonio	Wechsler	Forming Gels in Retinal Cellular Models of	ψ.00,000
1 SAGS AT SAIT AIRCING	* * COI ISICI	Traumatic Optic Neuropathy	
The University of	Jessica Billig	Prime award for project: Financial Toxicity	\$100,000
Texas Southwestern	Jessica Dillig	Associated with Upper Extremity Trauma	Ψ100,000
		Associated with Opper Extremity Hauma	
Medical Center			

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