Award Winners

(Listed by presentation type, student level and discipline.)

Poster Presentation Competition
Undergraduate Presentations

Agriculture & Natural Resources

1st Place  Faith Isabelle, Prairie View Texas A&M University, The Effects of Nitrogen Rate on the Growth of Green Malabar Spinach (Basella alba L.) in Sandy Loam Soil in Southeast Texas.

2nd Place  Lenaye Palmer, Prairie View Texas A&M University, Analyzing the microbial population on the fresh produce collected from the community garden.

3rd Place  A’naya Ware, Prairie View Texas A&M University, Morphological and phytochemical diversity of grain-type industrial hemp (Cannabis sativa).

Biomedical & Health Sciences

1st Place  Ananya Pillai, Texas A&M University – College Station, Self-Powered Implantable Pacemaker- will it become a reality?

2nd Place  Anil Pournouri, Texas A&M University – Texarkana, Hypertensive Stimuli Increases Lymphangiogenesis in Human Lymphatic Endothelial Cells.

3rd Place  Samhitha Ramanuja & Devon Roeming, Texas A&M University – College Station, AAV9/shRNA Knockdown of RANKL Protein Expression Utilizing Systemic Intraperitoneal Injections to Inhibit NADPH Oxidase-2.

Business & Information Technology

1st Place  Kylea Marlow, Tarleton State University, Service Blueprint Approach to the Planning of a Business Plan Competition.
Poster Presentation Competition
Undergraduate Presentations (continued)

Education

1st Place Elpida Cervantes, Tarleton State University, Using the Student Perception Survey to Cultivate a Community of Care in the 5th Grade Classroom.

Engineering & Computer Science

1st Place Michael Ramos & Joseph Saenz, Texas A&M University – Kingsville, Updating the Historical Records of the Carrizo-Wilcox Aquifer Groundwater Availability Model for Improved Model Predictions.

2nd Place Jose Falcon, Texas A&M University – Corpus Christi, Image Processing through ArUco Marker Instruction in a UAV System and IoT Application.

2nd Place Ian Lopez, Texas A&M International University, Improving CO₂ storage and oil recovery in shale oil reservoirs using dual lateral wells.

3rd Place Jackson Black & Zackery Watson, Tarleton State University, Design and Fabrication of Space Exploration Vehicle for Extraterrestrial Terrain.

3rd Place Tyler Pillman & Hannah Rudewick, Texas A&M University - College Station, Developing a method to scale the degree of packing in MAP scaffolds

Life Sciences

1st Place Abcde Cirilo, Texas A&M University – Kingsville, Effects of Snake Venom CRiSPs on the Production of Cytokines in Human Dermal Blood and Lympatic Endothelial Cells.

2nd Place Diksha Shakya, Texas A&M University – Commerce, CAV1-Rho pathway mediates G1P3-induced Breast cancer cell migration.

3rd Place Elizabeth Carrillo, Texas A&M University – Corpus Christi, In-Vitro Analysis of the Contribution of S-Nitrosylation to the Learning-Induced Neuronal Plasticity in the Mollusk Aplysia

3rd Place Eliza Perez, Texas A&M University – Galveston, Mechanical Properties of Kemp’s Ridley (Lepidochelys kempii) and Loggerhead (Caretta caretta) Sea Turtle Rhamphothecae.
Poster Presentation Competition
Undergraduate Presentations (continued)

Mathematics & Physical Science

1st Place Caroline Valdes, Texas A&M University – College Station, Formation of Polyetherimide Nanocomposite Coatings for Maximization of Corrosion Inhibition of Base Metals.


3rd Place Michael Brdeka, Texas A&M University – Commerce, Hydrothermal Liquefaction of Chlorella and Reeds to Bio-oils and other Value added products.

Poster Presentation Competition
Master’s Presentations

Agriculture & Natural Resources

1st Place Ryon Springer, Tarleton State University, Palatability of hempseed meal pellets compared to mainstream feedstuffs in horses.

2nd Place Emily Purnell, Tarleton State University, Effect of Cannabidiol on Follicular Growth and Ovulation in Cattle.

3rd Place Heather Ruemke, Tarleton State University, Beyond the Breeding Soundness Exam: The evaluation of the motility and viability of sperm cells as well as a quantification and evaluation of miRNA 26a-5p, miRNA 574, as parameters for bull infertility.
Poster Presentation Competition

Master’s Presentations (continued)

Biomedical & Health Sciences

1st Place Lyric Richardson, Tarleton State University, Effects of Low-Intensity Fatigue on Motor Unit Firing Properties.

2nd Place Jesse Delacruz and Joo Hyun Kim, Texas A&M University – San Antonio, Acupuncture Treatments Mitigate Muscle Atrophy induced by Casting Model.

Business & Information Technology

1st Place Chiho Kim, Texas A&M University – Commerce, Zero-day Malware Detection using Threshold-free Autoencoding Architecture.

Engineering & Computer Science

1st Place Gabriela Ramos, Texas A&M University – College Station, Exposure to Bacterial Aerosols with Antimicrobial Resistance Surrounding Septic Systems.

2nd Place Layla Ogletree, Prairie View Texas A&M University, Fabrication of Thin Film Nanocomposite Forward Osmosis Membranes for the Treatment of Produced Water.

3rd Place Faryal Fatima, Prairie View Texas A&M University, Poultry Slaughterhouse Wastewater Treatment with Membrane Technologies.
Poster Presentation Competition

Master’s Presentations (continued)

Life Sciences

1st Place  **Eliza Mills**, Texas A&M University – Corpus Christi, *Shore-based Theodolite Tracking of Bottlenose Dolphin Movement and Behavior in the Corpus Christi Ship Channel.*

2nd Place  **Oscar Sanchez**, Texas A&M University – Kingsville, *Purification of a novel recombinant cysteine-rich secretory protein (rCRiSP) expressed in E.coli for the development of egg yolk antibody (IgY).*

3rd Place  **Robert Mueller**, Texas A&M University – Corpus Christi, *Analysis of Gene Transcription and mRNA Translation Requirements for Experience-Dependent Long-Term Changes in Appetitive Neural Circuits in an Invertebrate Model.*

3rd Place  **Maxwell Portmann**, Texas A&M University – Corpus Christi, *Post-disturbance below- and aboveground recovery of Avicennia germinans (L.) L. on the Texas Gulf Coast.*

Mathematics & Physical Science


3rd Place  **Allyson Girard**, Texas A&M University – Corpus Christi, *Sulfide Intrusion in the Seagrass Halodule wrightii as Assessed by Tissue Sulfur Isotopic Composition.*
Oral Presentation Competition

Undergraduate Presentations

Humanities

1st Place  **Ashlyn Lester**, West Texas A&M University, *Women and the Making of a Nation: An analysis of the South Korean Family Planning Program.*

2nd Place  **Leah Green**, Texas A&M University – Texarkana, *Numbers of The Library of Babel.*

3rd Place  **Sarah Rutherford**, Texas A&M University – College Station, *Called and Challenged: Examining the Experiences of Women Clergy in Brazos County and Harris County, Texas.*

Social Sciences


2nd Place  **Luis Perez**, Texas A&M University – San Antonio, *Verifying a New Measure of Traditional Masculinity.*

3rd Place  **Sophia North**, Texas A&M University – College Station, *Devaluation of Alternative Partners in the Presence of Cognitive Load.*
Oral Presentation Competition (continued)

Master’s Presentations

Humanities

1st Place  Kribi Kelley-Diaz, West Texas A&M University, Costly Articles of Adornment: The Substitution, Economy, and Morality of Food 1880-1920.

Social Sciences

1st Place  Amber Meegan, Texas A&M University – San Antonio, Moderating Effects of Caregiver Attachment Style on Treatment Outcomes among Youth in a Long-Term Residential Trauma Treatment Program.

2nd Place  Krista Rodriguez, Texas A&M International University, Virtual Psychoeducational Groups with Latino College Students: Findings from Focus Groups.

3rd Place  Quinesha Bentley, Prairie View Texas A&M University, Black Trauma: The Impact of Desecrating Black Historical Markers and the Racist Effects on the Black Experience.
Doctoral Lightning Talk Competition

1st Place Ahnesi Shon, Texas A&M University – College Station, *Fully Implantable Closed-loop Neural Interface System Augmenting Plantar Cutaneous Sensory Feedback for Locomotor Rehabilitation.*

2nd Place Abbey Hotard, Texas A&M University – Galveston, *Household Adaptations to Coastal Hazards.*

3rd Place Brooke Smith, Texas A&M University – College Station, *Aerosolization Triggers Immediate Antibiotic Resistance in Bacteria.*