



TEXAS STATE UNIVERSITY
Honors College

Spring 2026 Undergraduate Research Conference

POSTER SESSION: WEDNESDAY, APRIL 22, 4:00-6:00 PM, LBJSC BALLROOM

Poster #	Presenters	Poster Title	Presenter College
<i>Biology, Animal Sciences, Biochemistry, Health and Exercise</i>			
1.	Parker Maroney	Under the Sun and Heat: Stress Responses of Leopard Frog Tadpoles to UV Radiation and Warming	CoSE
2.	Nic Quezada	Campus EMS Programs: Impacts on Clinical Preparedness and Career Readiness in Pre-Health Students	Health Professions
3.	Kylie Thackeray	Birds Across the Gradient: The Effects of Urbanization on Bird Species Diversity and Feeder Visitation	CoSE
4.	Kelsey Malousek	Opercularis Muscle in Facultatively Metamorphic Eurycea sp.: A Comparison between Paedomorphs and Metamorphs	CoSE
5.	Hayden LaBarr	A New Floral Inventory and Rare Plant Survey of Wild Basin Wilderness Preserve	CoSE
6.	Jonathan Faxigue, Alex Findeisen	Ready, Set, Stretch: Comparing Static and Dynamic Stretching Effects on Performance	Education
7.	Samar Ranjit	Investigating Intra-Field Crop Yield Predictability Using Machine Learning and Deep Learning	CoSE
8.	Sophie Young, Cecelia Fritze	Optimization of RNA Extraction Method from Mouse Adipose Tissue	Applied Arts
9.	Dylan Gruss, Soufia Alzoubi	Material One-Carbon Metabolism Nutrient Supplementation Reduces Hepatic Lipid Anabolism in Offspring	Applied Arts
10.	Eden Merrit	Characterizing the Structure and Activity of the LARP6 from the Simple Four-celled Algae for Chaperone Activity and Binding	CoSE
11.	Mark Johanson	Development and Testing of a New Method for an Analysis of Telomere DNA Sizes	CoSE

12.	Josie Padilla	A CRO Guide to Fluorescence Staining and Imaging using Xiphophorus spp. Brain and Eye Tissue Sections	CoSE
13.	Kevin Tat	Evaluating Efficacy of Colchicine and Combrestatin-A4 in Neuroblastoma: Tubulin Polymerization Inhibitors	CoSE
14.	Eva Solorzano	Using the Synthetic Compound Colchicine as an Anticancer Agent for Neuroblastoma Cells	CoSE
15.	Kirstin Cox	Nitrogenous balance in an Aquaponic System with Xiphophorus couchianus	CoSE
16.	Norah Rinehart	Seahorse XF Analyzer Vs. Livebearing Fish: Verifying and Optimizing Mitochondrial Flux Assay Procedures for Poeciliidae	CoSE
17.	Kevin Tran	Conservation of Inte Immune Genes in the Other Cnidarian Symbiosis: The Green Hydra	CoSE
18.	Olivia Hamilton	PdOpDH and the Cu-Responsive Pathway in Pseudogymnoascus destructans	CoSE
19.	Buruke Tesfa	Novel Spiropyran to Inhibit Growth of Neuroblastoma	CoSE
20.	Cammie Searle, Geraldine Aviles, Samuel Johnson	Comparing Protein-mediated Phase Separation in Eukaryotes, Bacteria, and archaea	CoSE
21.	Ava Miller	Domain Mapping of ZGRF1-RAD51 Interaction: A Stepping Stone to Understanding Regulators of Homologous Recombination	CoSE
21-A	Melisa Oparanozie	The Effects of Sleep Deprivation on Cognition and Behavior in <i>Gambusia affinis</i> CoSE	
Business, Accounting, Economics			
22.	Oscar Hernandez	Two Cities, Two Industries, Two Futures: Racial Composition, Ownership, and Wealth Accumulation in Atlanta's Black Music Ecosystem and Nashville's Corporate Music Structure	McCoy
23.	Owen Feagler	Analysis of the Energy Gap	McCoy
Computer/Data Science, Mathematics			
24.	Amul Poudel	Machine Learning-Based Fall Risk Prediction Using Multimodal Gait and Balance Data	CoSE
25.	Prashant Panta	Benchmarking AI Training on University High-Performance LEAP-2 Computing Systems	CoSE
26.	Rastrabhushan Dahal	Investigation on Ballistocardiography	CoSE
27.	Hrishant Shiwakoti Sharma	Evaluating Deep Learning Approaches for Subseasonal Streamflow Forecasting	CoSE

28.	Mahjabeen Mustafa	Probabilistic Reliability Assessment for Human-Labeled Data: A Time-Study Application	McCoy
29.	Aaditya Baniya, MinJun Kim	The Makerspace Sentinel: A Comparative Analysis of Object Detection Architectures and Annotation Methods for Real-Time PPE Compliance	CoSE
30.	Sum Sah	An Optimal-Transport Method for Robust Linear Regression	CoSE
31.	Jerardo Haro	Fractional Derivatives: Definitions, Theory, and Various Applications in Real-World Phenomena	CoSE
32.	EJ Flores	Reaction Time Variability and Learning Stability During Multitasking	CoSE
33.	Radha Kumari Yadav	Evaluating Context's Impact on Hallucinations in Large Language Models	CoSE
34.	Rayed Fahmi	Enhancing LLM Summarization with an Adaptive Evaluation-and-Correction Framework	CoSE
35.	Gaurab Chhetri	WISE: Web Information Satire and Fakeness Evaluation	CoSE
36.	Aidan Quintero, Tami Nafal	When Can We Trust the Market? Interpreting Prediction Market Signals for Decision Support	McCoy
37.	Aarya Chapagain, Aidan Quintero	Fraudsphere	McCoy
38.	Tami Nafal, Aarya Chapagain	Data Twin: Proactive Data Quality Risk Assessment for Loan Applications	McCoy
<i>Consumer Sciences, Interior Design, Workforce and Labor Studies</i>			
39.	Magdalena Alyx Hardin, Carter Wells	Experiences Behind the Choice: A Grounded Theory Approach to Texas Parents' Homeschool Decisions	Applied Arts
40.	Killian Arthur	Fashion Circularity in Texas: Corporate Activity Levels and Legislative Environment	Applied Arts
41.	Mya Cashiola, Denise McAllister, Kamryn Walker	Impact of Interior Elements on the Wellbeing of Memory Care Center Residents	Applied Arts
42.	Elim Xu	Buffer or burden? Religiosity and Familism in the Context of Discrimination	Applied Arts
43.			Applied Arts
44.	Camille Swann, Marley Murphy	Technology and Leadership Education Network for Texas Students (TALENTS) Case Study	Applied Arts
<i>Creative and Fine Arts</i>			
45.	Patrick Van Cise	Exploring Upright-belled Tenor Brass Instruments Using Johnson's Standard, Power, and Color System	Fine Arts and Communication

46.	Lain Lowery	The Self-Concept of the Writer: A Symbolic Interactionist Reflection of the Creative Self	Liberal Arts
47.	Eva De Guelle	100 Years of Monologues: Reclaiming a Century of Women's Voices Through Guerrilla Cinema	Fine Arts and Communication
48.	Kini Wessling	We Tryna Buy Back Our 40 Acres:" Socioeconomic Disparities in Black Communities As Described in Kanye West's The College Dropout	McCoy
49.	Madi Crowder	A Literary Analysis of African American Hymns and Spirituals	Liberal Arts
50.	Marco Perez	The Hidden Influence and Overlooked Contributions of African American Artists on "White" Popular Music	CoSE
51.	Evarista Elias	Hip Hop, R&B, and the Development of Bongo Flava In Tanzania	Health Professions
52.	Ebonie Zackery	When a Generation Cries Out: 'Young People's Cry' and the Spiritual Warfare over Youth	Education
53.	Grayson Thomas	The Impact Whitney (1987) Had On African American Pop Music	Fine Arts and Communication
54.	Santiago Malpica Calleja	Reframing Gospel: Tracing the Contemporary Evolution of Gospel through Daniel Caesar and a Return to Faith in Popular Culture	Fine Arts and Communication
55.	Jahi Ricks	Reframing Black Identity: Marketing "The Miseducation of Lauryn Hill" to Mainstream America	McCoy
56.	Kass Trammell	Ballroom Music in New York's Drag-Ball Scene	Applied Arts
57.	Kylie Matthews	Storytelling Methods Used by Modern African-American Creators in Narratively Charged Music	Fine Arts and Communication
58.	Andrew Phillips	Kendrick Lamar EP (2009) – The Foundation of a Hip-Hop Legend	CoSE
59.	Reagan Thomas	They Will Care About Us	Fine Arts and Communication
60.	Taylor Emerson	How Music Criticism Constructed Whiteness as the Classical Ideal: The Racialized Exclusion of Florence Price's Symphony No. 1	Liberal Arts
61.	Shariah Williams	Harmonizing Development: How Jazz Elements in Children's TV Foster Social Development and Culture	Liberal Arts
62.	Tommy Sonnenschein	How DS2 Became a Defining Trap Album	Fine Arts and Communication
63.	Christiana Davison	"Murder on My Mind" YNW Melly: The Case of Self Incrimination and Criminalization of Hip-Hop	Applied Arts

64.	Emily George	The Uncredited African American Practices in American Musical Theatre	Fine Arts and Communication
65.	Heather Crawford	How Congo Square Shaped What We Know About African Traditions	Fine Arts and Communication
66.	Ariyana Wells	Relational Care: Growth as Practice	Liberal Arts
67.	Alejandra Sosa Lopez	Spinning the Digital Thread: Code, Colonial Linguistics, and Textile Metaphors	Fine Arts and Communication
Education			
68.	Saige Toedtman, Kelsey Lincoln	Exploring Learning Assistants' Perceptions of Department Transitions Within the STEM Communities LA Program	CoSE
69.	Bri McGee, Izabella Gonzales, Hannah Yard, Eunjin Seo	The Psychology of Classroom Belief: Student Perceptions of Instructor Mindset and Autonomy Support	Applied Arts
70.	Kesiena Oniovosa	Impacts of Gender and Stereotype Threat on Help-Seeking Behavior for Black College Students	Education
71.	Carsyn Jakeman, Kathryn Silver, Skyler Seibert, Kelsey Malousek, James Myrick	Autistic & _____: Identity, Insight, and Belonging in Higher Education	Liberal Arts
Engineering, Material Sciences and Chemistry, Physics			
72.	Ishmum Tihami, Jaima Ibnat Joyee, MD Ibrahim Khalil Tanim	Non-Pneumatic Tires	CoSE
73.	Bea Murri	3D Printed Custom Midsole Structures for Athletic Shoes	CoSE
74.	Kelsey Morris	Impact of Progenitor Mass and Metallicity on the Abundance and Distribution of Calcium and Silicon in Type Ia Supernova Ejecta	CoSE
75.	Walker Wardrop	SEM Analysis of Chondritic Meteorite Horace	CoSE
76.	Sydney Mock	Magnetism in Pt/Co/Cu Multilayers: Dependence on Co Thickness and the Influence of Additional Superconducting Layers	CoSE
77.	Kelsey Robbins	Critical Field in Tri-Layer Systems: Comparing Superconducting and Non-Superconducting Interfaces with Heavy and Light Metal	CoSE
78.	Tyler Kuhn	Determination of Supercurrent in Mn ₅ Si ₃ Josephson Junctions	CoSE
79.	Ananya Barua	Green Synthesis of Silver Nanoparticles Using Citrus Fruit Peels	CoSE

Humanities, Language Studies			
80.	Thelma Jude	Effects of Childhood Hospitalization on the Emotional Competence of Emerging Adult Siblings	
81.	Alexa Gonzalez	Cultural Differences in Prosocial Lying Development	Liberal Arts
82.	Hunter Laskowski	The Indian Revolution: A Comparative Analysis	Liberal Arts
83.	Gunnar Witcher	Trouble in Talheim: A Neolithic Whodunnit in Southwest Germany	Liberal Arts
Social Sciences			
84.	Adrian Mejia, Jordan Fitch	Fur Real Support: A Mixed Methods Study of the Impact of Support Animals for College Students with Disabilities	Liberal Arts
85.	Katharina Reyling, Hannah Lee, Emily Garcia	Stress, Worry, & Body Signals—What’s the Link?	Applied Arts
86.	Melissa Hernandez Garza, Marwa Azizi, Alyeska Romero, Jacquilyn Immer, Andrew Behnke	Navigating Intergenerational Teen Parent Household Communication Through a Relational Dialectics Theory Lens: Competing Desires for Autonomy and Support Within Parent-grandparent Relationships	Applied Arts
87.	Aidan Young, Brooke Widner, Linda Kim, Andrew Behnke	Evolving Evaluation Practices in Teen Parent Programming	Applied Arts
88.	Jacquilyn Immer, Madison March, Alyeska Romero, Andrew Behnke	"You're Never Alone": Qualitative Feedback from Teen Parents and Grandparents to Inform Program Improvement in SR/SF	Applied Arts
89.	Linda Kim, Brooke Widner, Aidan Young, Andrew Behnke	Baby Brings Perspective: How pregnancy and childrearing impact relationships between Latinx teen parents and their parents	Applied Arts
90.	Marwa Azizzi, Alyeska Romero, Melissa Hernandez Garza, Madison March, Andrew Behnke	Developing the Life After Graduation Curriculum for Teen Parents	Applied Arts
91.	Grace Lodzinski	The Contribution of Sleep-dependent Memory Consolidation to Negative Memory Bias in Depression	Liberal Arts
92.	Anna Emmons	Framing Aoudad in Texas: An Analysis of the Evolution of Frames in Literature Surrounding Aoudad in Texas	CoSE
93.	Terrissa Bygrave	Familism, Identity Exploration, and Depressive Symptoms	Applied Arts

94.	Joshua Greg, Bri McGee, Edna Alfaro	University Prestige and Persistence: The Role of Belonging and Support	Applied Arts
95.	Deja Dash	Belonging and Becoming: The Link Between Stress Mindsets and Belonging in First-Generation College Students	Applied Arts
96.	Katherine Nichols, Izzy Gonzalez, Hanh Yard, Eunjin Seo	The Relationship Between Perceived Parental Messages and Growth Mindset Among College Students	Applied Arts
97.	Prasamsa Kharel, Roan Buechler, Melissa Villalpando, Shayla Jones	Healthy Eating & Food Access: Findings of the Core Four Youth/Young Adult Needs Assessment	Liberal Arts
98.	Bella Koska	The Importance of Programs Specifically Made to Solve Cold Cases: With an Emphasis on Texas State's Cold Case Team	Applied Arts
99.	Maria Julia De Moraes Chueri Barbosa	Research in the Parks: Is There a Relationship Between Theory of Mind and Prosocial Lies in Children?	Liberal Arts
100.	CJ Schemidt	Exploring the Moderating Effect of Sex on Food Addiction and Risky Substance Use	Liberal Arts
101.	Valerie Gavilanes	The Weight of Identity: the use of Alcohol as Coping Mechanism in Relation to Ethnic Identity Among Young Adults	Liberal Arts
102.	Delsia Maldonado	Ethnic Identity as a Protective Factor Against Substance Misuse and High-Risk Behaviors Among Latina Emerging Adults with Elevated ACEs	Liberal Arts
103.	Rebeca Moreno	Do Adverse Childhood Experience (ACE) Exposure Levels and Coping Drinking Motives Interact to Predict Hazardous Alcohol Use Among College Students?	Liberal Arts
104.	Michelle Onejeme	Family Socialization, Identity Development, and Academic Outcomes in Adolescents: Evidence from Two Studies	Applied Arts
105.	Maddie Wootan, Faith Swanson, Phoenix Wright, Stephanie Valle, Monalisa Akwuruoha, & Bella Grasso	Evaluating the Impact of the FESTA Program on Fentanyl Awareness and Risk Perception Among Middle and High School Students	Applied Arts
106.	Maddie Wootan, Megan L. Rogers	Intimate Partner Violence and Suicidal Ideation: The Roles of Perceived Burdensomeness and Thwarted Belongingness	Liberal Arts
107.	Alexa Renteria	The Parental Playbook: A Content Analysis of Parent Administered Instagram Accounts for Under 18 Athletes	Education
108.	Ian Vonderharr	If You Say What I Say, Do You See What I See? Correlating Lexical Alignment and Perspective-Taking Ability	Liberal Arts

109.	Joel Scott	The Effect of Affect: Affective Polarization and Voters' House Candidate Preferences in Contemporary U.S. Elections	Liberal Arts
110.	Paige Shunn, Scarlett Gransee, Megan L. Rogers	Nudging Help-Seeking: A TPB Intervention for Suicidal Ideation in College Students	Liberal Arts
111.	Ayrika Thomas, Julia F. Penn, Madeline A. Wootan, Megan L. Rogers	Assessing Polysubstance Use as a Moderator of the Relationship between Traumatic Experiences and Suicide-Related Outcomes in Adolescents	Liberal Arts
112.	Ella Carr, Chloe Uelman, Julia F. Penn, and Megan L. Rogers	Sexual Violence Exposure and Suicide Attempt Risk Among High School Students	Liberal Arts
113.	Brianna Davis	Examining the Relationships Between Hopelessness, Alcohol, and Non-Suicidal Self-Injury	Liberal Arts
114.	Bibek Pandey	Stress and Alcohol Use in College Students	Liberal Arts
115.	Anthony Harrelson	College Students' Beliefs about the Environment and Consumer Behaviors	Liberal Arts
116.	Morgan Gaither	The Spiritual Benefit of Canine Presence in Substance Use Disorder Treatment	Liberal Arts
117.	Neyna Singh	Externalizing Behaviors in Mexican/Mexican-American Preschoolers	Applied Arts
118.	Amina Pittman, Samantha Yepes, Shannon Dier	Teacher-child Relationships and its Relationship to Shyness and Social Competence.	Applied Arts
119.	Payton Porter, Samantha Yepes, Shannon Dier	From Childhood Homes to Adult Bonds	Applied Arts
120.	Kasey Rodriguez	Identifying Callous-Unemotional (CU) Traits in the Juvenile Justice System: Perceptions	Liberal Arts
121.	Ethan Heiskell	Who Owns our Digital Profiles: Ownership and Democratization of Data Centers	Liberal Arts
122.	Emmee Le, Kaitlyn Rubio, Yishan Shen	The Past is Present: Adolescent Family Relationships as Groundwork for Adult Romantic Relationships	Applied Arts
123.	Ishal Dogar	Adolescent Suicidal Ideation Prediction: Integrating Statistical and Machine Learning Approaches	Applied Arts