

UNDERGRADUATE RESEARCH CONFERENCE PANEL SESSION

Friday, April 24
9AM - 5PM

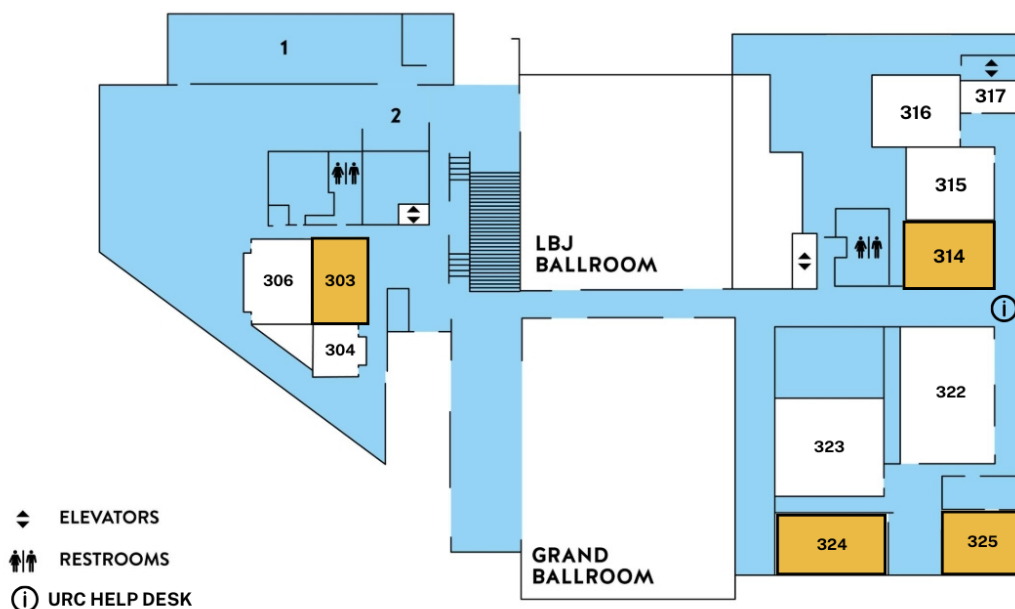
ALKEK 441 (A), ALKEK 442 (B)
LBJSC 303, 314, 324, 325



Please sign in to the event



3rd floor LBJSC



Hosted by



TEXAS STATE UNIVERSITY
Honors College



ALKEK 441(A)

Room / Time: ALKEK 441 (A) 9:00-10:30

Panel Chair: Dr. Mary Vaughan, Department of Mathematics

Panel: Modeling and Machine Intelligence: From Mathematical Theory to Real-World Systems

Name	Project Title
Jerardo Haro	Fractional Derivatives: Definitions, Theory, and Various Applications in Real-World Phenomena
Rayed Fahmi	Benchmarking LLM Summarization Metrics: Towards an Adaptive Evaluation-and-Correction Framework
Armin Omidvar	Design and Implementation of an Intelligent Machine Learning–Driven Stock Trading System
Prashant Panta	Benchmarking Deep Learning Training Performance at the University LEAP-2 High-Performance Computing System

Room / Time: ALKEK 441 (A) 10:30-12:00

Panel Chair: Jordan Morille, Honors College

Panel: Game Design as Creative Practice: Innovation, Storytelling, and Experimental Play

Name	Project Title
Roman Merlick	Exploration of Genre Innovation: Developing a Roguelike Factory-Builder
Kayla Vincent	"The Hare": Making a Case for Experimental Animation in Video Games
Athene Yowell	"Deep Blue Katabasis: A Southern Gothic Video Game Demo"

Room / Time: ALKEK 441 (A) 12:30-2:00

Panel Chair: Dr. Tania Betancourt, Department of Chemistry and Biochemistry

Panel: Molecular Design and Interaction: Tools, Structures, and Applications in Chemistry and Biomedicine

Name	Project Title
Dillon Gee	Developing a Russian-Doll-Inspired Biomaterial for the Smart Delivery of Doxorubicin
Mark Johanson	Development and Testing of a New Method for Analysis of Telomere DNA Sizes
Ava Miller	Mapping Molecular Handshakes: Defining the ZGRF1–RAD51 Interface in Homologous Recombination
Abby Mudoka	Inside the Cage: Exploring Molecular Confinement Through Endohedral Metallofullerenes

ALKEK 441(A)

Room / Time: ALKEK 441 (A) 2:00-3:30

Panel Chair: Dr. Micaela Vargas, Department of Biology

Panel: Molecular Targets and Therapeutic Strategies: Disease Pathways and Cancer Treatment

Name	Project Title
Paige Coltman	TTC31 as a Novel Modulator of Liver Disease Pathogenesis
Eva Solorzano	Using the Synthetic Compound Colchicine as an Anti-cancer Agent for Neuroblastoma Cells
Kevin Tat	Evaluating Efficacy of Colchicine and Combrestatin-A4 in Neuroblastoma: Tubulin Polymerization Inhibitors
Buruke Tesfa	AI-Guided Design and Evaluation of Spiropyran Analogs for Cytotoxicity Testing

Room / Time: ALKEK 441 (A) 3:30-5:00

Panel Chair: Dr. Ryan Peterson, Department of Chemistry and Biochemistry

Panel: Model Organisms, Fundamental Questions: Insights from Animal Systems

Name	Project Title
Olivia Hamilton	<i>PdOpDH</i> and the Cu-Responsive Pathway in <i>Pseudogymnoascus destructans</i>
Norah Rinehart	Seahorse XF Analyzer Vs. Livebearing Fish: Verifying and Optimizing Mitochondrial Flux Assay Procedures for Poeciliidae
Kevin Tran	Conservation of Innate Immune Genes in the Other Cnidarian Symbiosis: The Green <i>Hydra</i>

ALKEK 442 (B)

Room / Time: ALKEK 442 (B) 9:00-10:30

Panel Chair: Dr. Stacy Hunter, Department of Health and Human Performance

Panel: Multilevel Health Approaches: Prevention, Clinical Training, and Physiological Intervention

Name	Project Title
Kenedy Chauvette	The Social Factors in Prevention: A Mixed Methods Analysis of Kindergarten Vaccination in Texas
Nic Quezada	Campus EMS Programs: Impacts on Clinical Preparedness and Career Readiness In PreHealth Students
Jake Smith	An Examination of the Chronic Effects of Slow Deep Breathing on Blood Pressure: A Systematic Review

ALKEK 442 (B)

Room / Time: ALKEK 442 (B) 10:30-12:00	
Panel Chair: Dr. Eunjin Seo, School of Family and Consumer Sciences	
Panel: Learning to Thrive: Classroom Climate, Educational Policy, and Student Resilience	
Name	Project Title
Brielle McGee	The Psychology of Classroom Belief: Student Perceptions of Instructor Mindset and Autonomy Support
Sabrina Nodler	Children Left Behind: Retrospective Analysis of “No Child Left Behind” and the Legacy of America’s Failures in Public Education
Adriana Vega	Resilience Rising: How Students from Single-Parent Households Thrive

Room / Time: ALKEK 442 (B) 12:30-2:00	
Panel Chair: Jon Zmiky, School of Journalism and Mass Communication	
Panel: More Than a Game: Mindset, Performance, and the Business of Sport	
Name	Project Title
Brooks Butkus	Personality Differences in GRIT and Mindset
Harrison Chang	Rounding the Branding Bases: Building a Brand Direction and Visual Design System of a Professional Baseball Organization
Evan Garces	Short-Term Changes in Countermovement Jump and Arm Strength and Mobility Metrics Association With Injury Classification in Collegiate Baseball Pitchers
Mariam Medina	What It Takes to Build a Formula 1 Team: Engineering, Economics, and Global Strategy

Room / Time: ALKEK 442 (B) 2:00-3:30	
Panel Chair: Dr. Deacon Newhouse, Department of Philosophy	
Panel: Ethics in Theory and Practice: Veganism, Environmental Personhood, and Conscious Experience	
Name	Project Title
Asher Ixba	Animal Ethics in Action: Transforming Philosophical Literature Into Vegan Activist-Ready Rebuttals
Ashley Johnson	Irreversibility, Time, And Conscious Experience: Physical Asymmetry and the Structure of Experience
Taylor Tate	San Marcos River Personhood: Urgent and Necessary

ALKEK 442 (B)

Room / Time: ALKEK 442 (B) 3:30-5:00

Panel Chair: Michelle Sotolongo, Honors College

Panel: Unsolved, Overcrowded, and At Risk: Rethinking Justice from Cold Cases to Youth Intervention

Name	Project Title
Bella Koska	The Impact of Programs Designed to Solve Cold Cases: With a Case Study of Texas State's Cold Case Team
Madeline Long	Mass Incarceration: Health and Safety Deficits for Prisoners
Kasey Rodriguez	Identifying Callous-Unemotional (CU) Traits in the Juvenile Justice System: Perceptions and Barriers to Early Intervention

LBJSC 303

Room / Time: LBJSC 303 9:00-10:30

Panel Chair: Dr. Amy Meeks, Department of Psychology

Panel: Love, Sex, and Algorithms: Music, Education, and Power in Modern Dating

Name	Project Title
Blake Pulido	The Sound of Love: Connecting Music Taste and Dating Preference
Ana Ronquillo	Sex Education in Hindsight: College Students' Reflections on What They Learned and What They Wish They Had Learned
Kathryn Thompson	Salt in the Sugar Bowl: Transactional Dating & Gender Role Performance on Social Media

Room / Time: LBJSC 303 10:30-12:00

Panel Chair: Jeffrey Park, Honors College

Panel: Rebuilding Meaning: Faith, Migration, and Mental Health in Personal Narrative

Name	Project Title
Magaly Desilos Rodriguez	Evidence that God Lives
Julio Matta	El Choque: A Story of Two Worlds
Ariyana Wells	Relational Care: Growth as Practice

LBJSC 303

Room / Time: LBJSC 303 12:30-2:00

Panel Chair: Dr. Jonathan Vontsteen, IDEA Center

Panel: Stressors, Stereotypes, and Help-Seeking: Mental Health in Black and Minority College Students

Name	Project Title
Shalimar Braddy	Comparing Financial Stress, Climate Anxiety, and Racial/Ethnic Discrimination Among Black and Hispanic College Students
Kesiena Oniovosa	Impacts of Gender and Stereotype Threat on Help-Seeking Behavior for Black College Students
Paige Shunn	Nudging Help-Seeking: A TPB Intervention for Suicidal Ideation in College Students

Room / Time: LBJSC 303 2:00-3:30

Panel Chair: Dr. Franziska Newell, Department of Political Science

Panel: When Systems Hold—and When They Don't: Law, Authoritarianism, and Revolution in Global Perspective

Name	Project Title
Amru Fadl	Justice Blocked: Enforcement in International Law & How Reservations Affect the Genocide Convention
Johan Holmes	Authoritarian Durability Without Democratization: Party-Led Modernization and Regime Resilience in China
Hunter Laskowski	The Indian Revolution: A Comparative Analysis

Room / Time: LBJSC 303 3:30-5:00

Panel Chair: Dr. Ed Mihalkanin, Department of Political Science

Panel: Polarization, Radicalization, and Democratic Erosion: The Dynamics of Political Behavior

Name	Project Title
Joel Scott	The Effect of Affect: Affective Polarization and Voters' House Candidate Preferences in Contemporary U.S. Elections
Katherine Ruisard	The Girls' Guide to Joining ISIS
Oscar Rubio	Democratic Erosion in Bukele's El Salvador

LBJSC 314

Room / Time: LBJSC 314 9:00-10:30

Panel Chair: Dr. Kristen Tooley, Department of Psychology

Panel: Thinking in Motion: Attention, Sleep, Memory, and Social Cognition

Name	Project Title
EJ Flores	Reaction Time Variability and Learning Stability During Multitasking
Madison Legus	Sleep, Music, and Memory: Examining the Contribution of Sleep to the Beneficial Effects of Music for Memory
Grace Lodzinski	The Contribution of Sleep-dependent Memory Consolidation to Negative Memory Bias in Depression
Ian Vonderharr	If You Say What I Say, Do You See What I See? Correlating Lexical Alignment and Perspective-Taking Ability

Room / Time: LBJSC 314 10:30-12:00

Panel Chair: Dr. Kelly Haskard-Zolnierrek, Department of Psychology

Panel: Coping with College Stress: Paychecks, "Hangxiety," and Hiking

Name	Project Title
Ruth Susheel Kumar	Balancing Books and Paychecks: The Relationship Between Workhours and Student Success
Bibek Pandey	Stress, Alcohol Use, and "Hangxiety": Exploring the Roles of Cortisol Awakening Response and Family History in College Students
Jessica Bunting	Group Hiking May Improve Overall Wellbeing of TXST Students Through Anxiety Reduction

Room / Time: LBJSC 314 12:30-2:00

Panel Chair: Dr. Katherine Warnell, Department of Psychology

Panel: Understanding Autism: Camouflaging, Intervention, and Support Systems

Name	Project Title
Fig Boling	Camouflaging and Self-Monitoring in Autistic and Non-Autistic Individuals
Emily Quartz	Level 1 Autism: Interventions, Evaluations, Now What
Jordan Fitch Adrian Mejia	A Mixed Methods Study of the Impact of Support Animals for College Students with Disabilities

LBJSC 314

Room / Time: LBJSC 314

2:00-3:30

Panel Chair: Dr. Shannon Dier, School of Family and Consumer Sciences

Panel: Social Development Across the Lifespan: Prosocial Lying, Identity, and Risk

Name	Project Title
Maria De Moraes Chueri Barbosa	Research in the Parks: Is There a Relationship Between Theory of Mind and Prosocial Lies in Children?
Alexa Gonzalez	Cultural Differences in Prosocial Lying Development
Emma Catherine Dawson	Importance of Toileting as a Developmental and Social Milestone for Young Children
Delsia Maldonado	Roots as Refuge: Ethnic Identity as a Protective Factor Against Substance Use and Sexual Risk Among Latina Foster Care Alumni Raised Outside Two-Parent Households

Room / Time: LBJSC 314

3:30-5:00

Panel Chair: Dr. T. Edwin Chow, Department of Geography & Environmental Studies

Panel: Hidden Costs: Consumption, Waste, and the Human Impact on the Environment

Name	Project Title
Luke Cameron	Economics and Sustainability: Realizing the Value of Electronic Waste in Travis County
Anthony Harrelson	College Students' Attitudes About the Environment and Consumer Behavior
Ethan Heiskell	A Comprehensive Energy-Water-Land (EWL) Nexus Analysis of Data Center Resource Consumption and the Power Balances at Play

LBJSC 324

Room / Time: LBJSC 324

9:00-10:30

Panel Chair: Dr. Claudia Roeschmann, School of Art and Design

Panel: Designing Wellness, Safety, and Belonging: From Museums to Mobility to Healing Environments

Name	Project Title
Brianna Bordosky	Making Space: Reframing Museum Engagement for Gen Z
Dania Iefa Jemal	Emerging Pines: A Biophilic Behavioral Health Center Rooted in Resilience and Gradual Healing
Emily Milo	Designing for our Future: Human-Centered Design in the Age of AI
Yula Muhamadiva	From SOS to Safety City: Integrating Gendered Rideshare Safety With Municipal Infrastructure in Austin

LBJSC 324

Room / Time: LBJSC 324 10:30-12:00	
Panel Chair: Dr. Carlos Abreu Mendoza, Department of World Languages & Literatures	
Panel: Culture, Craft, and Exchange: Interfaith Relations, Indigenous Knowledge, and Alternative Social Worlds	
Name	Project Title
Ronny Hamze	The Iberian Kiln: Muslim and Christian Interfaith Relations as Exemplified by Hispano-Andalusian Wares
David Julich	<i>Sin Ligaduras</i> : Jorge Isaacs and the Eastern Cultural Frontier
Joel Scott	A Pirate's Life for Me: Examining the Lived Experiences of Pirates During the Golden Age
Alejandra Sosa Lopez	Spinning the Digital Thread: Code, Colonial Linguistics, and Textile Metaphors

Room / Time: LBJSC 324 12:30-2:00	
Panel Chair: Dr. Christi Townsend, Department of Geography & Environmental Studies	
Panel: Thirsty Systems: Water, Agriculture, and the Politics of Resource Use	
Name	Project Title
Braeden Aubrey	Sustainable Water Management for the Future: A Look Into the Edwards Aquifer as a Source of Water Through the 21st Century
Leena Daghri	Gut Microbiome Responses to Transport-Induced Stress in Santa Gertrudis Show Cattle and the Potential of Probiotics as a Mitigating Strategy
Madison McAnarney	Lonestar Water Intelligence: A Precision Water Management Platform to Strengthen Drought
P. Carolina Cambron	Bottled Up: Coca-Cola and the Political Economy of Water Access in Chiapas, Mexico

Room / Time: LBJSC 324 2:00-3:30	
Panel Chair: Dr. Leila Siciliano-Martina, Department of Biology	
Panel: Wildlife In and Out of Place: Biodiversity, Behavior, and Habitat Across Environments	
Name	Project Title
Hayden Labarr	A New Floral Inventory and Rare Plant Survey of Wild Basin Wilderness Preserve
Alyssa Patterson	Behavioral Effects of Temperature on Captive African Lions
Kylie Thackeray	Birds Across the Gradient: The Effects of Urbanization on Bird Species Diversity and Feeder Visitation

LBJSC 324

Room / Time: LBJSC 324 3:30-5:00	
Panel Chair: Dr. Dana Garcia, Department of Biology	
Panel: Wildlife Systems Under Pressure: Ecology, Evolution, and Environmental Change in Texas	
Name	Project Title
Anna Emmons	Framing Exotic Ungulates in Texas: An Analysis of the Evolution of Frames in Literature Surrounding Aoudad, Axis Deer, and Nilgai in Texas
JoEdward Herrera Salas	Prezygotic Isolation in Two Shrub Species: <i>Berberis trifoliolata</i> and <i>Berberis swaseyi</i>
Kelsey Malousek	Opercularis Muscle in Facultatively Metamorphic <i>Eurycea sp.</i> A Comparison between Paedomorphs and Metamorphs

LBJSC 325

Room / Time: LBJSC 325 9:00-10:30	
Panel Chair: Jordan Morille, Honors College	
Panel: Devices of the Stage: Space, Structure, and Audience Reimagined	
Name	Project Title
Eva De Guelle	100 Years of Monologues: Reclaiming a Century of Women's Voices Through Guerrilla Cinema
Emma Davis	Help! There's a Pillar in My Theatre!
Morgan Smithwick	Opossum: A Criticism of True Crime Through a Theatrical Lens
Jordan Spina	The Exeunt/Enter Cycles: An Audience-Initiated Shakespeare Study

Room / Time: LBJSC 325 10:30-12:00	
Panel Chair: Dr. Holly Wissler, School of Music	
Panel: Harmonic Worlds: Music, Culture, and Connection Through Sound	
Name	Project Title
Edwing Alvarez	Harmonic Bridges: Fusing Musical Traditions to Cultivate Compassion
Anna Dickerson	Musical Instruments and Their Environments: How Indigenous Flutes of the Quechua Q'eros People are Determined by the Vertical Ecology of the Peruvian Andes
Malia McLellan	Unbloom: A Sonic Archive of Undergraduate Growth

LBJSC 325

Room / Time: LBJSC 325 12:30-2:00

Panel Chair: Jordan Morille, Honors College

Panel: Stories of Self and Place: Film, Podcasting, and Community Voices

Name	Project Title
Alyssa Hurtado	"PENNY!": Exploring the Neurodivergent Experience through the Tale of a Teenage Clown
James Phillips	The Long and Laborious Wait: Revisiting the Iconic Village Fire
Kameryn Schwertner	Amplifying Theatre in San Marcos, Texas

Room / Time: LBJSC 325 2:00-3:30

Panel Chair: Jordan Morille, Honors College

Panel: Writing the Self: Identity, Experience, and the Creative Process

Name	Project Title
Carrington Langston	In Full Focus: A Literary Collection About the Hidden Struggles of Gen Z Youth
Kasey Rogers	The Power and Control Cycles of Domestic Abuse: A Short Memoir
Lain Lowery	The Self-Concept of the Writer: A Symbolic Interactionist Reflection of the Creative Self
Katherine Wabbersen	"My Girl Birdie"

Room / Time: LBJSC 325 3:30-5:00

Panel Chair: Chad Hammett, Department of English

Panel: Speculative Motherhoods, Family Secrets, and 100 Years of Heroines: Reimagining Performance and Storytelling

Name	Project Title
Linae Lewter	Third Arm Anthology: November, Marlene, and Polly
Chikodi Arungwa	Magnolia Masquerade: A Multimedia Project That Explores Masculinity
Tyler White	Skeletons

THANK YOU FOR JOINING US!

Please scan QR to leave feedback for the event:



TEXAS STATE UNIVERSITY
Honors College

