Program for the 2023 University of Houston-Clear Lake Student Conference for Research & Creative Arts April 24$^{th}$ – April 29$^{th}$
Monday, April 24th through Saturday, April 29th, 2023
College of Human Sciences and Humanities

All Week. Art Gallery, Bayou
Faculty Chair: Clay Leonard

Title: Art exhibits by students in the BFA Exhibition.

Student Participants:

Kimberly Barringer
Regan Brantley
Ryan Byrd
Karrie Clark
Akayle Day
Lauryn Fly
Frida Garcia
Cindy Gil
Courtlyn Grisham
Justin Hashaw
Madison Hebert
Nylia Jenkins
Eboni Jenkins
Michelle Landry
Noemi Mata
Lindsey Murphy
Adriana Rodriguez-Cabrera
Gabriel Sebesta
Ryan Smith
Kassidy Sparks
Madison Trembath
Yulia Trujillo-Rodriguez
Chris Martinez
Title: Teen and Police Service Academy Panel

Presenters: Silvia Morales, Alondra Ortiz, Zuhel Bocachica, Matthew Wilmaning
Monday, April 24th, 2023
College of Science and Engineering

1:00 p.m. – 3:50 p.m. Bayou 2235
Faculty Chair: Dr. Soma Datta

Title: Standardizing Medical Record Organization
Presenters: Lyra Battle, Isabella Hanks, Samuel Peebles

Title: Summit Sprint
Presenters: Cameron Jones, Jacob Gonzalez, Edgar Padilla-Estrada, Blair Taylor

Title: Evently
Presenters: Alexis Flores, Johnathon Torres, Rylan Turner, Ke Zhou

Title: Automatic Email Parser and Tagger
Presenters: Andrew Lee, Sara Landrum, Andrew Nguyen

Title: Movie Recommendation System
Presenters: Naga Lahari Mandava, Hruday Vommi, Aravind Badisa
Monday, April 24th, 2023

College of Science and Engineering

5:30 p.m. – 7:00 p.m. STEM 1203
Faculty Chair: Dr. Kazi Billah

Title: Design and Manufacturing of Carbon Fiber Reinforced Wallet

Presenters: Adelina Rodriguez, Christopher Garcia, Ricardo Arerchiga, Omar Tuebishat

Title: Design and Manufacturing of Foldable Chair

Presenters: Jaime Bentura, Arlan Catney, Ros’lynn Charles, Jessica Kunzat

Title: Design and Manufacturing of Scissor Lift

Presenters: George Janho, Brendan Corr, Neel Rathod, Roberto Penafiel

Title: The Design and Manufacturing of a Vertical Axis Windmill

Presenters: Mohamad Elkhader, Blake Ballard, Mitchell Brady, Reggie Martinez

Title: Design and Manufacturing of Magnetic Gears

Presenters: Kain Aguirre, Wendy Cardenas, Alexander Falks, Gerardo Lagunas
Monday, April 24th, 2023

College of Human Sciences and Humanities

7:00 p.m. – 8:30 p.m. Bayou 3607
Faculty Chair: Dr. Robert Bartsch

Title: Sleep Duration & Academic Achievement
Presenters: Nicolas Ochoa

Title: Self-Compassion and Perceived Stress
Presenters: Jillian Goldman

Title: Crime Fiction
Presenters: Amber Leland

Title: Examining how self-regulation affects relationship between stress and eating healthy
Presenters: Khairun Nisa Satani

Title: Factors relating to Degree Satisfaction in Graduate Psychology Students
Presenters: Chantelle Kean-Nichols

Title: The Relationship Between Neuroticism and Academic Achievement
Presenters: Claire Wolken

Title: Do stress levels as a college student moderate the relationship between happiness and pet ownership.
Presenters: Alliya Alaniz

Title: The relationship between online political engagement and political polarization
Presenters: Kelly Swanson
Title: Cognitive Dissonance in study habits and how this affects your confidence in your work.
Presenters: Aubry Dummer

Title: Aggressive Personality as a Predictor of Dangerous Driving Habits
Presenters: Emanuel Atwater

Title: Social media influence on perception of environmental safety
Presenters: Micheal Berry

Title: Eating Habits effect on mental health
Presenters: Danae Pena

Title: Connectedness to Nature & Pro-Environmental Behaviors
Presenters: Emily Johnson

Title: Ethnic Background and its relationship to emotional expression
Presenters: Fredi Rodriguez

Title: Exploration of The Relationship Between Social Media Usage and Depression
Presenters: Kolbey Henderson

Title: Video Games and Body Dysmorphia
Presenters: Rashelle Dann

Title: Cleanliness, Health and Conscientiousness
Presenters: Jaqueline Gomez

Title: Life’s Choice: A look into the Correlation between Work and a Student’s Success
Presenters: Bree Rose
Monday, April 24th, 2023  
College of Human Sciences and Humanities  

7:00 p.m. Pearland Academic Building Room 113  
Faculty Chair: Lisa Sublett  

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**Title:** Motivation Contagion: How coworkers motivate one another  
**Presenters:** Shifa Ali, Kamryn Green, Erin Konvalin, Kathy Ruiz  

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**Title:** Job Satisfaction of Educators in Houston, TX  
**Presenters:** Lizzette Cepeda, Alicia Salazar, Daryl Holt, Luis De La Rosa  

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**Title:** The Moderating Role of Remote Work on the Relationship of Work-Life Balance and Job Satisfaction  
**Presenters:** Jai Collier, Kha Nguyen, Kuei-Chun Huang, Tracy Brown  

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**Title:** Perceived Organizational Justice  
**Presenters:** Alicea Leyinska Marie, Abdullah Aldosree, Patricia Jo Gutierrez  

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**Title:** Sense of belonging and Impostor Syndrome among College students  
**Presenters:** Gozde Tura
Monday, April 24th, 2023

College of Human Sciences and Humanities

7:15 p.m. Bayou 1133
Faculty Chair: Christine Kovic

Title: Health and Human Rights

Presenters: Kayla Arjona, Cristal Cortez, Alisa Crosby, Lina Ellis, Ura Flores, Mokua Makori, Jocelyn Smith, Yudith Salas
Title: Kaggle Challenge: Titanic - Machine Learning from Disaster

Presenters: Stephen Garza, Hari Chandana Polisetty
Tuesday, April 25th, 2023
College of Human Sciences and Humanities

**Plenary Session**
1:00 p.m. Forest Room
Faculty Chair: Dr. Giazú Enciso Domínguez

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**Title:** Parenting while black: Analyzing the school to prison Pipeline  
**Presenters:** Shay Charles

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**Title:** Exploring contemporary women’s definitions of violence  
**Presenters:** Haley Briggs

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**Title:** Transitioning from Society’s Identity to our Own Identity  
**Presenters:** Yvonne Russel

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**Title:** Sense of belonging and Impostor Syndrome among College students  
**Presenters:** Gozde Tura

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**Title:** Attachment Style and its Influence on Sexual Communication among Hispanic/Latina mothers and daughters  
**Presenters:** Frida Mora De Luna, Gabrielle Longo, Dr. Mary Short

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**Title:** Communal Support Networks: An option to Transform a Sense of Belonging and Student Retention within Higher Education  
**Presenters:** Maria Powell
Tuesday, April 25th, 2023

College of Education

1:00 p.m. Pearland 120
Faculty Chair: Dr. Neelofer Tajani

Title: From Seed to Sprout
Presenters: Cecilia Faulk-Gillis, Liv Niemeyer

Title: Rockin Rocks
Presenters: Abigail Hughes, Julie Pugh, Carolina Cuellar

Title: Soil Layers
Presenters: Shaylyn Dunlap, Alexa Garcia, Alyssa Moreno
Tuesday, April 25th, 2023

College of Human Sciences and Humanities

4:00 p.m. – 6:50 p.m. Bayou 1135
Faculty Chair: Dr. Dorothea Lerman

Title: Objective Measure of Social Validity for Interventions that Increase Praise During Instructional Time

Presenters: Alana Merritt

Title: Increasing Active Engagement in Virtual Workouts Among Adults with Developmental Disabilities

Presenters: Rebecca Brockman

Title: Training Behavior Analysis Graduate Students to Work with an Interpreter

Presenters: Danika Bosch-Greer, Morgan McCarville

Title: Conducting an Assessment and Intervention of Vocational Social Skills via Telehealth

Presenters: Clarissa Ruiz, Megan L. Dora, Sopia Som, Amanda Davis

Title: Evaluating the Effects of Contingency Statements on Responding in Functional Analysis Test Conditions

Presenters: Alison Argast, Dr. Jennifer Fritz, Victoria Fletcher

Title: Functional Analysis of Precursors to Aggression Exhibited by Cats During Human Petting

Presenters: Jennifer Nguyen, Jennifer Fritz, Victoria Fletcher, Amanda Davis, Abigail Konecki

Title: The Effect of Language Preference and Proficiency on Problem Behavior

Presenters: Jennifer Carrera, Jennifer N. Fritz, Victoria L. Fletcher, and Frances G. Feliciano

Title: Caregiver Mand Training via Manding with ABA Application

Presenters: Chloe Ledbetter, William K. Kwabla
Tuesday, April 25th, 2023
College of Education

4:00 p.m. – 6:50 p.m. Bayou 1130
Faculty Chair: Dr. Omah Williams - Duncan

**Title:** Bridging Theory and Practice Through Action Research and Social Constructivism: Devising Innovative Workshop for Doctoral Students’ Understanding of Theoretical Framework and Literature Review

**Presenters:** Carole Flad

**Title:** Potentially Effective Practices for Intrinsic Reading Motivation

**Presenters:** Ashley Creech

**Title:** Improving reading comprehension through the use of iStation

**Presenters:** Oneyda Castillo

**Title:** Reduce students’ questions by reviewing scaffolded material

**Presenters:** Reema Shaukat

**Title:** Mentor and Micro-Texts on improving Secondary Writing

**Presenters:** Jacqueline Brookreson

**Title:** Professional Development for Technology

**Presenters:** Haleigh Conklin

**Title:** Action Research Study: Comparing Online Programs to Increase Fact Fluency in 6th Grade Students

**Presenters:** Heather Kaboutari

**Title:** The Effect of Academic Vocabulary in Higher Order Thinking Questions

**Presenters:** Eileen Lee

**Title:** Improving Oral Language Development in Early Childhood

**Presenters:** Ashley Duran
Tuesday, April 25th, 2023

College of Human Sciences and Humanities

4:15 p.m. Bayou 1213
Faculty Chair: Christine Kovic

Title: The Right to Health Seen through Photo Voice.

Presenters: Students of ANTH 4342 - Human Rights, Social Justice, Health
Tuesday, April 25th, 2023
College of Education

5:00 p.m. Online Session
https://uhcl.zoom.us/j/92367825417
Faculty Chair: Dr. Neelofer Tajani

Title: Project Approach Student Investigation - Roofing
Presenters: Jessica Crum

Title: The Paper Airplane Project
Presenters: Esther Shulman

Title: 201 Scoopers
Presenters: Jeanie Pritchard, Milton Lemus

Title: Project Approach- Plants
Presenters: Alexandra Flores

Title: Planting, Growing, and Learning
Presenters: Michelle Hadar

Title: Around the World with 202
Presenters: Alexandra Gomez, Todd Weiss

Title: The Zoo
Presenters: Taylor Idrovo

Title: Baby Fever
Presenters: Samantha Lubin
Tuesday, April 25th, 2023
College of Human Sciences and Humanities

**Plenary Session**
7:30 p.m. Forest Room
Faculty Chair: Dr. Giazu Enciso Domínguez

**Title:**  When trying to return home: Stories
**Presenters:** Jennifer McCauley

**Title:**  Being Latina can be...
**Presenters:** Yvonne Russel

**Title:**  Ms. Ariel Goes Back in Time
**Presenters:** Glòria Rivas, Alicia Aguilera and Leslie Gauna

**Title:**  Why the Baby Doesn’t Like the Subway
**Presenters:** Olivera Jokic
Wednesday, April 26th, 2023

College of Human Sciences and Humanities

9:00 a.m. – 11:50 a.m. Bayou 1213
Faculty Chair: Dr. Veronica Segovia

Title: Interviews with Police Departments across the U.S.

Presenters:

Jaimie Riojas
Justin Ochoa
Kacie Lowery
Christie Garges
Abraham Sanchez
Oscar Velasquez
Justin Nguyen
Bernard Baiye
Diana Toledo
Brianna Kennedy
Christian Avalos
Hanna Ray-Goldman
Alma Perez
Rabeeah Bhatti
Michael Rush
Joceline Rivera
Madelyn Spray
Ryan Stoddard
Vianey Puentes
Puentes Berenice
Wednesday, April 26th, 2023
College of Science and Engineering

10:00 a.m. – 11:20 a.m. STEM 2101
Faculty Chair: Dr. Youssef Hamidi

Title: Drain System Design for Pools, Spas, and Tanks.

Presenters: Mario Barron Gonzalez, Ros’Lynn Charles, Adrian Garcia, Richard Grumbles, Moshin Mirchandani, Khoa Phan, Omar Tubeishat

Title: Lunar Terrain Vehicle (LTV) Cargo Carrier

Presenters: Jose Amieva, George Janho, Jessica Kunzat, Reggie Martinez, Blair Mitchell, Adelina Rodriguez, Hunter Van Wagner

Title: Superelastic Tire

Presenters: Matt Alatorre, Arlan Catney, Mustafa El Miari, Anthony Gwynn, Jacob Howard, Long Lai, Eduardo Ocanas, Buvaneshraj Saravanan

Title: Fire Protection System

Presenters: River Alford, Richard Campos, Alexander Falks, Sheikh Hussain, Jeremy Maher, Roberto Penafiel Jr., Samuel Stevens

Title: Film Cooling for Turbine Blades in Extreme Environments

Presenters: Kain Aguirre, Mitchell Brady, Brendan Corr, Gerardo Lagunas, Josue Montemayor, Gabriel Salazar, Jaime Ventura Ramos
Wednesday, April 26th, 2023
College of Science and Engineering

11:30 a.m. – 12:50 a.m. STEM 2101
Faculty Chair: Dr. Youssef Hamidi

Title: Resin Transfer Molding (RTM): An Overview of the Composite Manufacturing Process
Presenters: Lawrence Tovar

Title: Updates on Filament Winding Manufacturing
Presenters: Kaitlyn Geisen

Title: Past, Present, and Future Autoclave Processes in Composite Manufacturing
Presenters: Colton Picazo

Title: New Trends in Injection Molding
Presenters: Erik Lucatero

Title: Compression Thermoforming
Presenters: Giraldo Alvarez

Title: Updates in Liquid Composites Molding
Presenters: Hector Elizondo

Title: New Trends in Vacuum Assisted Resin Transfer Molding
Presenters: Lloyd Pate

Title: Effectively manufacturing Composites by Wet Lay-Up and Vacuum Bagging
Presenters: Ajith Appukutan

Title: Pultrusion as a Composite Manufacturing Process
Presenters: Abdullah Qureshi
Wednesday, April 26th, 2023
College of Science and Engineering

4:00 p.m. – 5:20 p.m. STEM 2105
Faculty Chair: Dr. Kazi Billah

Title: Additive Manufacturing Generative Design of a Pivot Bracket
Presenters: Austin Redwine, Armando Garza, Giraldo Alvarez, Hector Elizondo

Title: Additive Manufacturing: Generative Design of Mounting Bracket
Presenters: Anthony Keeler, Heather Dodd, Matthew Paine, and Sascha Henderson

Title: Additive Manufacturing of Generative Design: “Aircraft Jet Engine Support Bracket”
Presenters: Carlos Zaragoza, Mario Barron Gonzalez, Osvaldo Perez, Charline Ouellette

Title: Additive Manufacturing (AM): Utilizing Generative Design to Optimize Angle Mount Bracket
Presenters: Juan Cedilio II, Aline Lira, Brock Zayas, Edgar Castillo

Title: 3D Printing of Composite Molds
Presenters: Mario Barron Gonzalez, Ricardo Arechiga De La Rosa, Sharpe Bastian Walker

Title: Additive Manufacturing of Generative Design Spacecraft Antenna Mount Bracket
Presenters: Jessie Garges, Riki Barron, Andres Dueri, Julia Twyford
Wednesday, April 26th, 2023
College of Science and Engineering

4:00 p.m. – 8:00 p.m. STEM 2009
Faculty Chair: Dr. Charuksha Walgama

Title: Tuning the Galvanic Exchange of AgNP-based Metalloimmunoassay on Carbon-Printed Electrodes
Presenters: Daniel Adrian

Title: Electrochemical features of direct oxidation and liver-microsomal metabolism of Diclofenac
Presenters: Daphne Medina

Title: Pseudoephedrine Degradation in Basic Solutions
Presenters: Daniel Valentine

Title: Wastewater sensing of fatty alcohols using by fluorescence of MIL-53(Al)
Presenters: Christopher Stephenson

Title: Arynes as Building Blocks for Pharmaceutically Valuable Heterocycle Synthesis
Presenters: Christopher Taylor

Title: Photodegradation of Metformin in Various Environmental Conditions
Presenters: Emily Smith

Title: Stress Biomarkers in Biological Fluids and Their Point-of-Use Detection
Presenters: Dung Vu

Title: Implementation of Miniature Cold Fusion Reactions for Green Energy Production
Presenters: Mauricio Mendoza Galvan
Wednesday, April 26th, 2023

College of Business

Plenary Session
4:00 p.m. – 7:00 p.m. Bayou 1324
Faculty Chair: Dr. Winifred Weber

Title: Mock Trial: State vs. Fitzgerald

Presenters:

Ashlinn Parker
Daisy Arroyo
Eliah Castillo
Brittanie Kreger
Anais Lovera
Michelle Murray
Jonathan Olson
Ginger Pace
Ashlinn Parker
Genevieve Rendon
Jeremy Swor
Stephanie Tanner
Briana Wade
Title: Building a Health Information Network

Presenters:

Morgan Brokaw
Amber Claussen
Grad Student
Rashelle Dann
Akin Enigbokan
Christina Hurst
Virginia Jones
Rigoberto Ruiz
Gozde Tura
Teresa Whitmore
Title: Manufacturing Ballistic Shielding Utilizing Kevlar Fiber and Foam Cores Enclosed in a Carbon Fiber/Epoxy Matrix Shell

Presenters: John Claunch, Jeffrey Gleasman, Sheikh Hussain, Ruben Lopez

Title: Design and Manufacturing of Mini hydraulic jack

Presenters: Khoa Phan, Moshin Mirchandani, Samuel Rojas, Kyle Connolly

Title: Design and Manufacturing of a Stirling Engine

Presenters: Jeremy Maher, Josue Montemayor, Jose Amieva, Jacob Howard

Title: Manufacturing a Slider Crank Mechanism

Presenters: Michael Krueger, Blair Mitchell, Samuel Stevens, Hunter van Wagner

Title: Design and Manufacturing of a Controllable Mechanical Arm

Presenters: Adrian Garcia, Brock Helpenstill, Ahren Kauffman, Alina Siddique
Wednesday, April 26th, 2023
College of Human Sciences and Humanities

7:00 p.m. Bayou 1124
Faculty Chair: Dr. Pearl Young

Title: In Service of Whiteness: A Historical Analysis
Presenters: Briana Settles

Title: Life, Death, and Law: Abortion in 19th Century America
Presenters: Shelby Rodwell

Title: Gender, Jim Crow, and the Temperance Movement: 1885-1935
Presenters: Lance Berrones

Title: Islamic Feminisms: The Historiography of Muslim-American Women
Presenters: Joseph Godwin

Title: The Invisible Fight for Equality- U.S. Women and their struggles in Higher Education
Presenters: Brayden Yingst
Thursday, April 27th, 2023
College of Human Sciences and Humanities

Plenary Session
4:00 – 5:00 p.m. Hawk’s Overlook @ Neumann Library
Faculty Chair: Dr. Anne Gessler

Title: The Common Reader's Big Reveal

The Common Reader's Big Reveal is an annual, student-driven event that wraps up the themes of our current common reader, Mona Hanna-Attisha's *What the Eyes Don't See: A Story of Crisis, Resistance, and Hope in an American City* (about the Flint, MI water crisis), and announces the next book for 2023-2024.
Thursday, April 27th, 2023

College of Human Sciences and Humanities

1:00 p.m. – 3:50 p.m. SSCB 2310
Faculty Chair: Dr. Maria Curtis

Title: Medical Milestones of Galveston County

Presenters: Valerie Sanchez, Gabriela Serna, James Hicks, Bailey DeLong, Reagan Maniscalco

Title: The Faces of History’s Resilience

Presenters: Zenah Al-Naimi, Dawn Bulanek, Lorena Garcia, Sly Dasharee April Martinez, Berenice Puentes

Title: The Galveston Cotton Exchange: Woven into History

Presenters: Aileen Gonzalez, Amada Garza, Abigail Renteria. Citlali Prado, Darius Childs, Vianey Puentes

Title: The Original Sin City

Presenters: Meeta Barrett, Mark Leon, Dani Licon, Elaine Moore, Madelyn Spray

Title: Galveston: From the Fields to the Gold Coast

Presenters: Desiree Navarro, Ida Franco, Jeffrey Jakes, Joshua Oldag, Jacob Meadows, Leslie Rangel
Thursday, April 27th, 2023
College of Education

1:00 p.m. Arbor 1310.03
Faculty Chair: Dr. Neelofer Tajani

Title: The Butterfly Project
Presenters: Jesabel Moreno, Chloe Marlar

Title: Our cause is four paws
Presenters: Priscilla Perez, Megan Contello

Title: Hatching: The Life Cycle of a Butterfly
Presenters: Sabrina Baca, Zoe Zepeda, Arden Ward

Title: W is for Worms
Presenters: Hannah Montoya, Sierra Henderson
Thursday, April 27th, 2023
College of Science and Engineering

1:00 p.m. – 3:50 p.m. STEM 2113
Faculty Chair: Dr. Sachiyo Mukherji

Title: Composting Research: Observations On degradability of Compostable Forks

Presenters: Morgan Javers, Tiffany Goldstein, Payton Keyes, Vimal Aditya

Title: Study degradability of compostable resealable bags in home compost bin

Presenters: Keilah Trevino, Austin Cloyd, Antonio Neri, Faisal Syed, Randall Wright

Title: Study degradability of compostable trash bag in home compost bin

Presenters: Carmen Gonzalez, Lainey Mazur, Juan Luzardo, Sarah Elliott
Thursday, April 27th, 2023
College of Science and Engineering

**Plenary Session**
5:30 p.m. – 7:00 p.m. Bayou 1335
Faculty Chairs: Dr. Lory Santiago Vazquez, Dr. Amy Lucas

**Title:** Senior Women in STEM, part of the Women in STEM Peer Mentoring Network at UHCL

**Panelists:**
- Dr. Sharon k. Hall, Emeritus Professor of Psychology and Women’s Studies.
- Dr. Estella Hernandez Gillette, NASA Alumni League, Johnson Space Center
- Dr. Lie June Shiau, Professor of Mathematics

**Moderated by:**
- Dr. Dorothy Kirkman, Associate Professor of Management

**Participants:** Dr. Angela Kelling, Dr. Soma Datta, Dr. Giazú Enciso Domínguez, Dr. Omah Williams-Duncan, Dr. Georgina Moreno, Dr. Soma Datta

**Description:** Panelists will talk about their strategies on work-life balance, keeping active research projects, collaborations, writing, professional development, and other topics that relate to being a woman in STEM.
Friday, April 28th, 2023
College of Human Sciences and Humanities

**Plenary Session**
8:30 a.m. – 10:45 a.m. – Online Session
https://uhcl.zoom.us/j/93541625140?pwd=NFZyVVhnUkdDaVNRZWZ6UUtwbkpCUT09
Faculty Chairs: Dr. Maria Curtis, Dr. Dawit Woldu

**Panel 1: Gender and Human Rights Panel**

**Title:** Myanmar’s Violation of Human Rights: The Rohingya Genocide  
**Presenters:** Fahad Ahmed Al Sadi

**Title:** Women, Peace and Security Agenda  
**Presenters:** Hessa Abdulla Alkhater

**Title:** The Role of Emirati Women Past and Present  
**Presenters:** Mariam Aljunaibi

**Title:** What Changed the Role of Emirati Women in Society after the Establishment of the UAE?  
**Presenters:** Shaika Saeed Alblooshi

**Title:** The Causes of Increasing Divorce Rates in the United Arab Emirates  
**Presenters:** Shama Ahmed Alqutbah

**Title:** Marriage and Education in the United Arab Emirates  
**Presenters:** Meera Saif Obaid Saif
Friday, April 28th, 2023
College of Human Sciences and Humanities

**Plenary Session**
10:45 a.m. – 12:30 p.m. – Online Session
https://uhcl.zoom.us/j/93541625140?pwd=NFZyVVhnUkdDaVNRZWZ6UUtwbkpCUT09
Faculty Chairs: Dr. Maria Curtis, Dr. Dawit Woldu

**Panel 2: Youth, Education, and Social Issues**

**Title:** An Exploration of Bullying among Binational Emiratis in the United Arab Emirates  
**Presenters:** Zahra Darwish Saeed Khamis Alsuwaidi

**Title:** Emiratis’ Perceptions and Viewpoints on Paternity Leave  
**Presenters:** Maryam Khalid Atij Majid Almarri

**Title:** ASD Inclusion: Early Childhood Education in the UAE  
**Presenters:** Maryam Suhail Obaid Khadim Alkyeli

**Title:** The Impact of Teaching Methods on Student Learning at Zayed University  
**Presenters:** Ali Omar Amer AlAmeri

**Title:** The Impact of Sports-based Youth Development on the Academic Achievement of Emirati Youth  
**Presenters:** Ahmed Jassim
Friday, April 28th, 2023

Faculty Quality Enhancement Plan Showcase on Intercultural Knowledge and Competency

**Plenary Session**

2:00 p.m. – 3:30 p.m. Neumann Library Active Learning Classroom

Faculty Chair: Dr. Leroy Robinson

Faculty Presenters:

2-2:30 pm: Comeka Anderson Diaz, Robert Bartsch, Kathleen Garland, Jennifer Grace, Randy Seevers.

2:30-3 pm: Ariful Bhuiyan, Kent Divoll, Jeffrey Lash, Lory Santiago-Vazquez, Donna Stringer.

3-3:30 pm: Anne Gessler, Youssef Hamidi, Samina Masood, Farzaneh Noghani.
Friday, April 28th, 2023
College of Science and Engineering

2:00 p.m. – 5:00 p.m. STEM 1115
Faculty Chair: Dr. Jeffrey Mountain

**Title:** Eureka Cargo Carrier

**Presenters:** Abdulla Qureshi, Carlos Zaragoza, Joshua Rodriguez, Osvaldo Perez

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**Title:** EVA Zip Tie Installer

**Presenters:** Felipe Trujillo-Wheeler, Ramiro Maldonado, Edgar Castillo, Brock Zayas, James Wheeler, Juan Cedillo

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**Title:** Deployable Antenna Mounting Structure

**Presenters:** Erik Lucatero, Austin Redwine, John Roy, Erik Lucatero, Ajith Appukuttan, Armando Garza

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**Title:** Lunar Cargo Carrier

**Presenters:** Ryan Thetford, Heather Dodd, Jerin George, Sascha Henderson, Charline Ouellette, Roman Sustaita

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**Title:** Wi-Fi Antenna Mounting Structure

**Presenters:** Barron Riki, Katy Box, Julia Twyford, Anthony Keeler, Sawyer Bright

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**Title:** Liquid Amine Regeneration Subsystem (LARS)

**Presenters:** Kaitlyn Geisen, Jessie Garges, Ahmed Choubassi, Giraldo Alvarez

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**Title:** A Fire Protection Shelter: Design and Development

**Presenters:** Andres Dueri, Whitney Gray, Clayton Lackey, Cristobal Rodriguez, Matthew Zakrzewski, Lawrence Tovar
Saturday, April 29th, 2023
College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1335
Faculty Chair: Dr. Charuksha Walgama

Title: Fabrication and Optimization of Carbon Screen-printed Electrodes for Biosensing Applications
Authors: Marco Cardenas, Daniel Adrian  Faculty Sponsor: Dr. Charuksha Walgama
Time: 10:00 – 10:20

Title: Development of an Electrochemical Bioreactor for In-Vitro Drug Metabolic Assays Using Human Liver S9 Sub-cellular Fractions: An Exploratory Study
Authors: Bhavana Omanakuttan, Ricky Nguyen  Faculty Sponsor: Dr. Charuksha Walgama
Time: 10:20 – 10:40

Title: Detection of Ibuprofen on Carbon Printed Electrodes Using Analytical Chemistry Techniques
Authors: Monica Massoud  Faculty Sponsor: Dr. Charuksha Walgama
Time: 10:40 – 11:00

Title: Quantification of Arsenic in Wine via Cyclic Voltammetry
Authors: Cara Pike  Faculty Sponsor: Dr. Charuksha Walgama
Time: 11:00 – 11:20

Title: Prevalence, Disease Progression, Complications, and Prevention of Glaucoma
Authors: Niluka Wedanalage  Faculty Sponsor: Dr. Charuksha Walgama
Time: 11:20 – 11:40
Saturday, April 29th, 2023

College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1333
Faculty Chair: Dr. Zokhrab Mustafaev

Title: On Minkowski addition of convex polygons in the plane
Authors: Mikayla Roseboro
Faculty Sponsor: Dr. Zokhrab Mustafaev

Time: 10:00 – 10:20

Title: Helly-Type Results for Convex Bodies in the Plane
Authors: Jonathon Foley
Faculty Sponsor: Dr. Zokhrab Mustafaev

Time: 10:20 – 10:40

Title: Numerical Analysis of Steklov-Neumann Mixed Boundary Problem
Authors: Alex Sabey
Faculty Sponsor: Dr. Manki Cho

Time: 10:40 – 11:00

Title: Tobacco versus Herbal Cigarettes: Which produces more solid particles in smoke?
Authors: Megan Wang
Faculty Sponsor: Erica Smith

Time: 11:00 – 11:20

Title: Galois Extensions and O*-Fields
Authors: Kenneth Evans
Faculty Sponsor: Dr. Jingjing Ma

Time: 11:20 – 11:40
Saturday, April 29th, 2023

College of Science and Engineering

10:00 a.m. – 11:40 a.m. Bayou 1302
Faculty Chair: Dr. Billah

Title: Hair and Fingernail Zinc Analysis by XRF
Authors: Brittany Escobar, Christopher Frederickson, Cathy Frederickson, Nancy Arellano
Faculty Sponsor: Dr. Giblin
Time: 10:00 – 10:20

Title: Low-Cost Fatigue Machine for a Biomedical Application: Lumbar Spine Fusion Device Performance Assessment
Authors: Clayton Lackey, Felipe Trujillo-Wheeler, Giraldo Alvarez, Joshua Farmer, Abdullah Qureshi, Joshua Rodriguez, Austin Redwine, Katy Box, Ahmed Choubassi, Ajith Appukuttan, Wagmee Fernando
Faculty Sponsor: Dr. Ariful Bhuiyan
Time: 10:20 – 10:40

Title: Engineering a Design for a Portable Refrigeration Unit Powered by Renewable Energy
Authors: Michael Krueger, Blake Ballard, John Claunch, Kyle Connolly, Christopher Garcia, Neel Rathod, Alberto Torres
Faculty Sponsor: Dr. Youssef Hamidi
Time: 10:40 – 11:00

Title: Collapsible Portable Conditioned Shelter
Authors: Alina Siddique, Lisette Alcocer, Wendy Cardenas, Mohamad Elkhader, Brock Helpenstill, Ruben Lopez, Aileen Ocejo
Faculty Sponsor: Dr. Youssef Hamidi
Time: 11:00 – 11:20

Title: Identification of Factors Associated with Health Workforce Resilience with Analytic Hierarchy Process
Authors: Anuja Gadde
Faculty Sponsor: Dr. Xiaojun (Gene) Shan
Time: 11:20 – 11:40
Saturday, April 29th, 2023
College of Human Sciences and Humanities

10:00 a.m. – 11:20 a.m. Bayou 1135
Faculty Chair: Dr. Thais Sant'Ana

Title: Women’s Call for Secession in the Civil War
Authors: Hannah Pullen
Faculty Sponsor: Dr. Pearl Young  Time: 10:00 – 10:20

Title: Immediate recall for digits
Authors: Shehriz Lakhani
Faculty Sponsor: Dr. Kelsey James  Time: 10:20 – 10:40

Title: Becoming the Great One: Roberto Clemente's Impact on the U.S. Civil Rights Movement and Modern Baseball
Authors: Cierra Ives
Faculty Sponsor: Dr. Thais Sant'Ana  Time: 10:40 – 11:00

Title: What Provoked the Houston Riots of 1917 - Who was at Fault?
Authors: Tony Gamage
Faculty Sponsor: Dr. Laura Kanter  Time: 11:00 – 11:20
Saturday, April 29th, 2023
College of Human Sciences and Humanities

10:00 a.m. – 11:20 a.m. Bayou 1313
Faculty Chair: Dr. Georgina Moreno

Title: A 5-HT2A inverse agonist reverses nicotine withdrawal effects on sleep stages.
Authors: Jerilyn James, J. C. Shahin, H. L. Chapman, D. H. Malin, P. Tsai, E. S. Burnstein, C. P. Ward
Faculty Sponsor: Dr. Georgina Moreno  Time: 10:00 – 10:20

Title: A 5-HT2A receptor inverse agonist attenuates morphine withdrawal syndrome in the rat.
Faculty Sponsor: Dr. Georgina Moreno  Time: 10:20 – 10:40

Title: Effects of Pimavanserin on Behaviors Characteristic of Morphine Withdrawal in Morphine-Free Rats
Authors: Yvonne Reed
Faculty Sponsor: Dr. Georgina Moreno  Time: 10:40 – 11:00

Title: Psychophysiological Correlates of Morbid Curiosity
Authors: Esmeralda Martinez
Faculty Sponsor: Dr. Georgina Moreno  Time: 11:00 – 11:20
Saturday, April 29th, 2023
College of Human Sciences and Humanities, Education

10:00 a.m. – 11:00 a.m. Bayou 1133
Faculty Chair: Dr. Huss-Keeler

Title: Bridging Diversity with Bridgerton: TV as a new site of resistance to the colonial patriarchy
Authors: Marguerite Taillac
Faculty Sponsor: Dr. Shreerekha Subramanian
Time: 10:00 – 10:20

Title: Closing the Gap for African American Students
Authors: Alicia Taylor
Faculty Sponsor: Dr. Rebecca Huss-Keeler
Time: 10:20 – 10:40

Title: The Role of Women in Sports and the Civil Rights Movement: A Historical Perspective
Authors: Ryan Salazar
Faculty Sponsor: Dr. Pearl Young
Time: 10:40 – 11:00

Title: Laugh to Engage Students
Authors: Dina Geumei
Faculty Sponsor: Dr. Amber Brown
Time: 11:00 – 11:20
Saturday, April 29th, 2023

College of Science and Engineering
Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

Title: North American Birds of Prey Decline: Ecological and Anthroprogenic Factors

Presenters: Melina Carson, Rizq Imtiaz, Corinne Burk, Melanie Gutierrez, Andrew Flores, Gabrielle Hughes

Faculty Sponsor: Dr. Cindy Howard

Title: Comparing the Biodiversity of Wildlife Between Varzea and Igapo: A UHCL Amazon Study Abroad Trip 202

Presenters: Melina Carson, Jordan Lucas, Jordan Anderson, Jasmine Thompson

Faculty Sponsor: Dr. Cindy Howard

Title: Mixed Bird Species: A Study on Population Distribution and Influencing Factors

Presenters: Tiffany Goldstein, Aspen Earle, Meghana Budankayala, and Yashodha Abesysingha

Faculty Sponsor: Dr. Cindy Howard

Title: The Night Shift: Amazon Bats of Novo Airõ

Presenters: Jordan Lucas

Faculty Sponsor: Dr. Cindy Howard

Title: "Migratory Shore Birds and Their Changing Presence Along Texas Coasts"

Presenters: William Bowman

Faculty Sponsor: Dr. Cindy Howard

Title: An Examination of Shorebird Population Trends, 1973-2023

Presenters: Mateo Curiel

Faculty Sponsor: Dr. Cindy Howard
Title: Electrochemistry of Human Liver Microsomes (HLM)  
**Presenters:** Ricky Nguyen, Bhavana Omanakuttan  
**Faculty Sponsor:** Charuksha Walgama

Title: Horsepen Bayou Water Quality Modeling: Effects of Increasing Water Temperature on Metal Speciation  
**Presenters:** Karolyn Raj, Faisal Syed  
**Faculty Sponsor:** Dr. Sachiyo Mukherji

Title: Steklov Expansion Method  
**Presenters:** Jacob Valle  
**Faculty Sponsor:** Dr. Manki Cho

Title: Oxidative stress on pancreatic beta cells by high glucose level  
**Presenters:** Pardis Zohari, Marlene Aguilar  
**Faculty Sponsor:** Dr. M. Bazlur Rashid

Title: Study of Pfu SOR gene in bacterial expression system by cloning into pCAL-kc plasmid using In-Fusion cloning.  
**Presenters:** Vasavi Bhogadi  
**Faculty Sponsor:** Dr. M. Bazlur Rashid

Title: Fiberglass in the Chemical Industry  
**Presenters:** Kaitlyn Geisen  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Composites used in Ablative Heatshields  
**Presenters:** Lloyd Pate  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Effects of Biodegradable Composites  
**Presenters:** Ajith Appukuttan  
**Faculty Sponsor:** Dr. Youssef Hamidi
**Title:** Thermoplastic Composites’ Usefulness in Automotive and Aerospace Industry  
**Presenters:** Lawrence Tovar  
**Faculty Sponsor:** Dr. Youssef Hamidi

**Title:** PyroCap: Portable Fire Shelter Investigating the effects of incorporating aerogel insulation on the thermal regulation system of a Mars Exploration Extravehicular Mobility Unit (MxEMU).  
**Presenters:** Lawrence Tovar, Jessica Kunzat  
**Faculty Sponsor:** Dr. Eugene Ungar

**Presenters:** Ahmed Choubassi, Giraldo Alvarez, Ajith Appukuttan, Kathleen Box, Joshua Farmer, Wagmee Fernando, Clayton Lacky, Abdullah Qureshi, Austin Redwine, Joshua Rodriguez, Felipe Trujillo-Wheeler.  
**Faculty Sponsor:** Dr. Ariful Bhuiyan

**Title:** Identification and Prioritization Of Factors Associated With Health Workforce Resilience With Analytic Hierarchy Process  
**Presenters:** Anuja Gadde  
**Faculty Sponsors:** Dr. Ipek Bozkurt, Dr. Xiaojun (Gene) Shan

**Title:** 2D Niobium Carbide (Nb2CTX) MXene for Selective Surface-Enhanced Raman Scattering Applications  
**Presenters:** Mackenzie Songsart-Power  
**Faculty Sponsor:** Dr. Tej Bahadur Limbu

**Title:** A DFT study on structural and spin dependent electronic properties of ZnO Nanotubes  
**Presenters:** Victor Cornejo  
**Faculty Sponsor:** Dr. Serkan Caliskan

**Title:** Structural, Electronic and Magnetic Characteristics of Transition Metal Doped Boron Nitride Nanotubes  
**Presenters:** Stefan Alexander  
**Faculty Sponsor:** Dr. Serkan Caliskan

**Title:** A First Principles Investigation on The Mechanical And Electronic Transport Properties Of Doped Graphene Structures  
**Presenters:** Adelina Rodriguez  
**Faculty Sponsor:** Dr. Serkan Caliskan
Title: Investigating the effects of incorporating aerogel insulation on the thermal regulation system of a Mars Exploration Extravehicular Mobility Unit (MxEMU).

Presenters: Lawrence Tovar, Jessica Kunzat

Faculty Sponsor: Dr. Eugene Ungar

Title: Exploring the Expansion of the F element in Drosophila through Gene Annotation in Drosophila kikkawai: A case study of the toy Gene.

Presenters: Dhvani Pansuriya

Faculty Sponsor: Dr. Lory Santiago-Vasquez

Title: Efficient Routes to Aziridines through Activation of Sulfonamides.

Presenters: Luis Leon

Faculty Sponsors: Dr. Nataliya A. Markina and Dr. Anton V. Dubrovskiy

Title: One-pot Synthesis of Isoquinolones via Hofmann Rearrangement

Presenters: Arub Nihad Ashraf, Renee Deng

Faculty Sponsors: Nataliya A. Markina and Anton V. Dubrovskiy

Title: The Drosophila F element chromosome: Annotating Coding Regions in Chromosomes 2R & 3L of Drosophila kikkawai to Explore Why Other Eukaryotic Genomes Became So Large

Presenters: Minh-Sang Lu, Amber Gray, Kashish Khatkar

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: From Small to Big: Understanding How the F Element Chromosome Expanded in Fruit Flies -- the Annotation of the Gene shaven (sv) in Drosophila kikkawai as a Case Study

Presenters: Poornavaishnavi Chekuri, Kusuma Naredla

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: Exploring the Expansion of the F element in Drosophila through Gene Annotation in Drosophila kikkawai: A case study of the gene toy located on Contig 56

Presenters: Dhvani S. Pansuriya

Faculty Sponsor: Dr. Lory Santaigo-Vazquez

Title: DFT Beyond Moore’s Law: Extreme Hardware Specialization for the Future of HPC

Presenters: Blair Reasoner

Faculty Sponsor: Xiaokun Yang
Title: Prevalence of Antibiotic Resistant Vibrio Alginolyticus on Microplastics in Galveston Bay
Presenters: Allison Wyrick, Alex J. Estala
Faculty Sponsor: Dr. Michael LaMontagne

Title: Incidences of Vibrios species and Chitinase bacteria in Blue Crab
Presenters: Kiswa Shaikh, Meghana Budankayala, Tetyana King
Faculty Sponsor: Dr. Michael LaMontagne

Title: A Systematic Review and Meta-analysis of the use of Probiotics in the treatment of Parkinson’s Disease
Presenters: Kyra Morphis, Arub Nihad Ashraf, Cristian Limas, Natalie Hernandez
Faculty Sponsor: Dr. Michael LaMontagne

Title: A Systematic Review and Meta-analysis of the use of Probiotics in the treatment of Parkinson’s Disease
Presenters: Leslie Reyna, Isabella Deleon, Leslie Reyna, Amber Ramirez, Mario Munoz, Mareleen Corona
Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis on the Effectiveness of Single-Dose Inactivated Influenza Vaccines in HIV+ Individuals
Presenters: Mina Chhikara, Bailey Steward, Beatriz Cespedes
Faculty Sponsor: Dr. Michael LaMontagne

Title: Application of digital PCR to tracking fecal contamination from feral hogs, human waste, and canines
Presenters: Christopher Howard, Haley B. Stevens, Michael S. Allen, Yan Zhang
Faculty Sponsor: Dr. Michael LaMontagne

Title: Systematic Review and Meta-Analysis of the Benefit of Oral Probiotics on Psoriasis
Presenters: Taylor Baccus, Chris Cuya, Cailyn Wagner, Kristen Smallwood, and Rafaela Fiallos
Faculty Sponsor: Dr. Michael LaMontagne

Title: Application of MALDI-TOF MS to track the source of microbial contamination in tributaries to Galveston Bay
Presenters: Yenifer Garcia, Christopher A. Howard, Haley B. Stevens
Faculty Sponsor: Dr. Michael LaMontagne
Title: Systematic Review and Meta-Analysis of The Effect of Probiotics on Acne  
**Presenters:** Jessica Armstrong, Alexis Gonzalez, Michelle Lim, Yvonne Mendoza, and Emily Pechota  
**Faculty Sponsor:** Dr. Michael LaMontagne

Title: The Effects SARS-CoV-19 Has on The Nasal Microbiome  
**Presenters:** Jessica Carlton  
**Faculty Sponsor:** Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis of PCR Testing in Patients with Respiratory Tract Infections  
**Presenters:** Diego Gonzalez, Bazigh Patoli, Arshia Batra, & Songna Nguyen  
**Faculty Sponsor:** Dr. Michael LaMontagne

Title: Systematic Review and Meta-analysis of Type 2 Diabetic Patients with Nephropathy- clinical trials using probiotics as treatment in the form of soy milk.  
**Presenters:** Andrea Santiago, Maria Borunda, Amanda Lopas, Mateo Curiel  
**Faculty Sponsor:** Dr. Michael LaMontagne

Title: Carbon Reinforced Thermoplastic Composites and its Repurposability in Aerospace Applications.  
**Presenters:** Lawrence Tovar  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Composites in Automotive Industry  
**Presenters:** Erik Lucatero  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Composite Additive Manufacturing  
**Presenters:** Hector Elizondo  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Effects of Biodegradable Composites  
**Presenters:** Ajith Appukuttan  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Mechanical Properties of Glass Fibers  
**Presenters:** Abdullah Qureshi  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: Composites in Manufacturing Cryogenic Technologies  
**Presenters:** Giraldo Alvarez  
**Faculty Sponsor:** Dr. Youssef Hamidi

Title: 3D printed actuator with embedded shape memory alloy  
**Presenters:** Ricardo Arechiga De La Rosa, Mario Barron Gonzalez, Walker Sharpe  
**Faculty Sponsor:** Dr. Kazi Billah
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenters</th>
<th>Faculty Sponsor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discriminatory Reproductive Healthcare Disparities on the Basis of Gender and Sexuality</td>
<td>Madison Hastings, Ellie Ramon</td>
<td>Dr. Giazú Enciso Domínguez</td>
</tr>
<tr>
<td>Disparities in Pregnancy-Related death in Women of Color</td>
<td>Kayla Arjona &amp; Ura Flores</td>
<td>Dr. Giazú Enciso Domínguez</td>
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<tr>
<td>The Mere-Exposure Effect and Attraction Among Fictional Animated Human and Nonhuman Characters</td>
<td>Lauren Bilnoski</td>
<td>Dr. Amanda Johnston</td>
</tr>
<tr>
<td>Development of the Multifactorial Inventory of Mental Toughness (MIMT)</td>
<td>Cristina Cabanas Garcia, Sarah Griffin</td>
<td>Dr. Sarah Griffin</td>
</tr>
<tr>
<td>The Deterrent Effect of Streetlights on Crime in Neighborhoods in Salt Lake City, Utah</td>
<td>Victor McIntosh</td>
<td>Dr. Kimberly Dodson</td>
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<tr>
<td>Teachers’ perspective of teaching in classroom vs remote learning</td>
<td>Evelyn Peters</td>
<td>Dr. John McMullen</td>
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<td>Cultural differences in heart rate variability and the stress response</td>
<td>Josie Montalvo</td>
<td>Dr. Georgina L. Moreno</td>
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<tr>
<td>Associations Among Intimate Partner Violence and Gender Role Ideology</td>
<td>Brooklyn Moore</td>
<td>Dr. Christine Walther</td>
</tr>
</tbody>
</table>
Title: Exploring Potential Correlates of Student Support Service Utilization, Disclosure, Adjustment, and Fit Among Postsecondary Students with Neurodevelopmental Disorders

Presenters: Hannah Hunter  
Faculty Sponsor: Dr. Christine Walther

Title: Examining the overlap between resiliency and coping measures

Presenters: Christopher Baulch  
Faculty Sponsor: Dr. Christine Walther

Title: Family acceptance for LGBTQ+ youth: better mental and physical health

Presenters: Michael Scroggins  
Faculty Sponsor: Dr. Li Ping Su-Kubricht

Title: Assessment of Post-Traumatic Stress Symptoms in Families Who Have Experienced Pediatric Cancer

Presenters: Hayden Todd  
Faculty Sponsor: Dr. Li Ping Su-Kubricht

Title: Teachers' perspective of teaching in classroom vs remote learning

Presenters: Evelyn Vazquez  
Faculty Sponsor: Dr. John McMullen
Saturday, April 29th, 2023

College of Business

Poster Sessions

Poster Setup at 9:30 a.m. Bayou Building, Atrium II

Presentations from 10:00 a.m. – 12:00 a.m.

**Title:** What Happens Now? A Literature on HR Challenges in Post-COVID-19 Increasingly Remote Workforces

**Presenters:** Laura Heras  
**Faculty Sponsor:** Dr. Silvana Chambers

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**Title:** Why am I not getting promoted?: How McDonald’s DEI strategy is affecting male employees.

**Presenters:** Zeb McDowell  
**Faculty Sponsor:** Dr. Silvana Chambers
Saturday, April 29th, 2023

Lone Star College, Clear Lake High School

**Poster Sessions**

**Poster Setup at 9:30 a.m. Bayou Building, Atrium II**

**Presentations from 10:00 a.m. – 12:00 a.m.**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenters</th>
<th>Faculty Sponsor</th>
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<tbody>
<tr>
<td><strong>Modeling a non-traditional wind turbine based on the Archimedean spiral</strong>&lt;br&gt;<strong>Presenters:</strong> Adrian Nolasco</td>
<td>Faculty Sponsor: Dr. Jennifer Travis</td>
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<tr>
<td><strong>Sailing and Behavioral Skills Training: How can BST be used to Teach New Sailors</strong>&lt;br&gt;<strong>Presenters:</strong> Matias Martin</td>
<td>Faculty Sponsor: Erica Smith</td>
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<tr>
<td><strong>Depictions of Female Beauty Standards on American Magazine Covers</strong>&lt;br&gt;<strong>Presenters:</strong> Muskan Ansari</td>
<td>Faculty Sponsor: Erica Smith</td>
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<tr>
<td><strong>Comparing the Effectiveness of Call-Response and Passive Surveying Methods using Wood Storks (Mycteria americana)</strong>&lt;br&gt;<strong>Presenters:</strong> Mika Urayama</td>
<td>Faculty Sponsor: Erica Smith</td>
<td></td>
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<tr>
<td><strong>2022 Midterm Election: Media Bias and Racial Representation in FOX and MSNBC</strong>&lt;br&gt;<strong>Presenters:</strong> Ching-Hsin Hou</td>
<td>Faculty Sponsor: Erica Smith</td>
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<tr>
<td><strong>The Comparison of LGBTQ+ Stereotypes in Doctor Doctor, Will &amp; Grace, and Schitt's Creek</strong>&lt;br&gt;<strong>Presenters:</strong> Kendyl Bray</td>
<td>Faculty Sponsor: Erica Smith</td>
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<tr>
<td><strong>Sherlock Holmes: Investigating the Stigma Surrounding Mental Disorder</strong>&lt;br&gt;<strong>Presenters:</strong> Phuong Le</td>
<td>Faculty Sponsor: Erica Smith</td>
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<td><strong>The Highs and Lows: Exploring the Portrayal of Teenage Substance Use in Euphoria</strong>&lt;br&gt;<strong>Presenters:</strong> Aarthi Kukaruban</td>
<td>Faculty Sponsor: Erica Smith</td>
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<tr>
<td><strong>Love Beyond Borders: An Analysis of Gary Chapman’s Five Love Languages in Crash Landing on You</strong>&lt;br&gt;<strong>Presenters:</strong> Lena Le</td>
<td>Faculty Sponsor: Erica Smith</td>
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