

At times, changes happen at the last minute, please check the online program on the morning of the events.

The online program will be posted here: <https://gradschool.ecu.edu/research-creative-achievement-week/>

## Undergraduate Podium Presentations – Monday, March 31, 2025

MCSC 249 | Humanities

9:30 AM - 11:00 AM

- UPM01 9:30-9:45 **Jordan Burchett**, The Effects of Systemic Racism: How the Behavioral Perspective Can Facilitate Prevention and Intervention
- UPM02 9:45-10:00 **Ilaria Noonan**, Examining Southwest Airline's Paradoxical Communicative Response to the December 2022-2023 Crisis
- UPM03 10:00-10:15 **Catherine Nuijens**, The Thin Line: When Democracies Turn Against Themselves
- UPM04 10:15-10:30 **Diane Zodulua and Yakira Striblin**, Black Woman Victims of Domestic Violence: How the Behavioral Perspective can be Used to Develop Individualized Interventions
- UPM05 10:30-10:45 **Trenton Hightower**, Does AI Truly Create Art? Exploring Questions of Intention and Perception
- UPM06 10:45-11:00 **Alexiya Nieves**, Autism in Hispanic Families - How the Behavioral Perspective can Help Facilitate Early Diagnosis and Intervention

**Moderator:** Margaret Milteer

**Judge:** Laura Bright, Clark Nall

MCSC 200 (BlackBox Theatre)

10:00 AM - 11:15 AM

Education  
Engineering  
Social Sciences  
Technology and Computer Sciences  
Visual Art & Design

UPM07 10:00-10:15 **Weston Nelson**, Voice-Based Mood Detection for Emotionally Appropriate AI Responses

UPM08 10:15-10:30 **Olivia Winter**, The Hands of Life

UPM09 10:30-10:45 **Sophie Arruza**, Cloud Coverage Estimation for Improved Atmospheric Acoustic Predictions

UPM10 10:45-11:00 **Caroline Meininger**, Lilly's Magical Toolbox

UPM11 11:00-11:15 **Catherine Harris**, Adherence to Male Rape Myths

**Moderator:** Amy Cooley

**Judge:** David Hart, James Clifford

MCSC 253 | Human Health

1:00 PM - 1:45 PM

UPM12 1:00-1:15 **Emma Stewart**, Consistency in Clinical Reporting of Nasopharyngoscopy Findings: A Multisite Study

UPM13 1:15-1:30 **Raghav Yelamanchili**, Community Attitudes Towards Mental Health in the Indigenous Communities of the Nilgiris

UPM14 1:30-1:45 **Marcus Okafor**, A Relationship Between Exercise and Obesity

**Moderator:** Tundé Falohun

**Judge:** Elizabeth Baker, Graham Bitzer

**MCSC 200 (BlackBox Theatre) | Natural Sciences****1:15 PM - 2:15 PM**

- UPM15 1:15-1:30 **Emma Lou Pakulniewicz**, Characterization of Background-Dependent Effects of zfl1;zfl2 Double Mutants in Maize Development
- UPM16 1:30-1:45 **Christine Chan**, Microplastic Settlement Across a Salinity Gradient in the Pamlico Sound
- UPM17 1:45-2:00 **Joshua Packard**, The Effect of Fiber Tension on Blood Clot Digestion (Fibrinolysis)
- UPM18 2:00-2:15 **Madison Mays**, Nestling Diet and its Effect on Developmental Rate and Gut Microbiomes in Eastern Bluebirds

**Moderator:** Tonya Zecycki**Judge:** Ethan Carrow, Nathan Hudson**MCSC 249 | Biomedical Sciences****1:30 PM - 3:30 PM**

- UPM19 1:30-1:45 **Nandini Vishwakarma**, Dopamine Receptor Control of Collagen Transcription and Secretion: Relevance to Fibrosis, Health, and Disease
- UPM20 1:45-2:00 **Cindy Martines**, Creation of the First B-Cell Specific Ataxin-1 Conditional Knockout Mouse Model
- UPM21 2:00-2:15 **Kia Sehizadeh**,  $\mu$ CT Analysis of Craniofacial Skeleton in ADAP1 KO Mice
- UPM22 2:15-2:30 **Lawson Cross**, Effect of Housing Conditions on Larval Zebrafish Spinal Cord Regeneration Post Spinal Cord Injury (SCI)

**MCSC 249 | Biomedical Sciences (cont'd)****2:45 PM - 3:30 PM**

- 2:30-2:45** **BREAK**
- UPM23 2:45-3:00 **Dylan Miller**, Computational Tracking of Fibrin Polymerization
- UPM24 3:00-3:15 **Lydia Simmons**, Characterizing the DNA Binding Activity of Biofilm Regulatory Protein SypG From *Vibrio fischeri*
- UPM25 3:15-3:30 **Lovens Paul**, Investigating the Role of the Nucleocytoplasmic Protein Tnpo-SR in the Germline Stem Cells of *Drosophila Melanogaster*

**Moderator:** Ian Barton**Judge:** Swati Surkar, Brittany Roenker