

Undergraduate Poster Presentations (In-Person)

Ballrooms

Tuesday, April 2, 2024

Ballrooms | Biomedical Sciences

9:30-11:30 AM

- UPR1 9:30-11:30 Force Production of Diverse Populations, Sanderson, Macy Hannah Elizabeth Vanstaalduinen
- UPR2 9:30-11:30 *C. elegans* PUF-9 protective role against stress, Tiet, Alex
- UPR3 9:30-11:30 Intrarater and Interrater Reliability in the Analysis of Immunohistochemical Data, Carter, Hayden
- UPR4 9:30-11:30 Novel nano-antibiotic inhibits recurrent *Pseudomonas aeruginosa* infections in chronic mucobstructive lung diseases, Garcia, Lauren
- UPR5 9:30-11:30 Investigating the role of ElpB and ElpQ paralogs in complement evasion by Lyme disease spirochetes, Matulina, Lara Marie
- UPR6 9:30-11:30 Transcriptional control of lipid metabolism in response to traumatic brain injury and aging, Weglarczyk, Paulina
- UPR7 9:30-11:30 Quantifying different α -Synuclein oligomeric protein forms, Patel, Mithil
- UPR8 9:30-11:30 Colloidal stability of magnetic nanoformulations and their therapeutic properties to treat cancer via magneto-mechanical actuation, Abhulimen, Oisediamahi, Jarrett Douglas, Nagy, Samuel Minier, Yara Fareez Maayah
- UPR9 9:30-11:30 Mobile Sensorimotor Integration Assessment Following Repetitive Sub-Concussive Loading, Nelson, Kendall
- UPR10 9:30-11:30 Assessing the Role of the Endocannabinoid System in Arsenic Induced Developmental Neurotoxicity, Cross, Monica
- UPR11 9:30-11:30 Signals Inducing Gene Expression During Stem Cell Niche Assembly in *Drosophila melanogaster*, Naumuk, Kirklan
- UPR12 9:30-11:30 Evaluating The Stability of In-Vitro Calbindin-D28k, Perretta, Cole
- UPR13 9:30-11:30 Perfusing Profusely, a Novel Approach to Sperm Motility Analysis, Harrison, Logan
- UPR14 9:30-11:30 Computational Analysis of Fibrin Formation with Light Sheet Microscopy, Miller, Dylan

Ballrooms | Human Health

9:30-11:30 AM

- UPR15 9:30-11:30 Preliminary comparison of temporal measures between symptomatic and asymptomatic people with cricopharyngeal dysfunction, Wysor, Wilson
- UPR16 9:30-11:30 Evaluating Harm Reduction Services and Opioid Use Disorder Outcomes in Eastern North Carolina Communities: A Research Proposal, Rahilly, Virginia
- UPR17 9:30-11:30 Ronald McDonald House Strengthening Families During Hospitalization, Soth, Jany
- UPR18 9:30-11:30 Influence of Exercise Types during Pregnancy on Maternal Cardiometabolic Profiles, Biancofiore, Grace
- UPR19 9:30-11:30 Self-Efficacy and Performance Over Various Trials in a Soccer Shooting Drill, Green, Mary Sophia Elizabeth Fisher
- UPR20 9:30-11:30 Comprehension of verb tense in aphasia: Evidence from event-related potentials, McCauley, Colin
- UPR21 9:30-11:30 Reliability and Patient Compliance for Nasopharyngoscopy in the Assessment of Velopharyngeal Insufficiency: A Literature Review, Stewart, Emma
- UPR22 9:30-11:30 A Neurological Study on the Effect of the Cingulate Cortex in Determining Food Choice in Individuals with Eating Disorders and Active Individuals, Mayo, Caitlyn
- UPR23 9:30-11:30 A Closer Look at Mothers in Rural North Carolina, Adhikari, Simona

- UPR24 9:30-11:30 Using Film to Understand Nursing Students' Perception for the Care of the LGBTQ+ Patient, Lockhart, Ryan
- UPR25 9:30-11:30 Exploring Intercultural Nutrition Guidance Through International Virtual Exchange, Briggs, Lauren
- UPR26 9:30-11:30 Comparison of Heat Stress Risk Within Crops Rows to Perimeter in Sweet Corn and Tobacco Fields, Lanier, Noel Ryan Michael Edwards
- UPR27 9:30-11:30 My Experience as a Social Work Student in Carteret County Schools and the Risk for Substance Abuse Within the School System, Ellsworth, Kearstyn
- UPR28 9:30-11:30 Expanding Naloxone Access in Rural Communities in North Carolina, Guter, Meghan
- UPR29 9:30-11:30 The Effects of Commercial Grade E-Cigarette Chemical Ratios and Nicotine Strength on the Gravimetric Filter Correction Factors and Real-Time Measurements, Walker, Daniel
- UPR30 9:30-11:30 Educational Program Development for Parkinson's Disease and Parkinson's Disease with Dementia Caregivers, Chen, Bonnie

Ballrooms | Education

9:30-11:30 AM

- UPR31 9:30-11:30 Evaluation of MagicSchool AI-Generated Elementary Teaching Materials: A Self-Study, Carr, Leah
- UPR32 9:30-11:30 A Counting Lesson Ending in Defeat, Lozner, Alexis
- UPR33 9:30-11:30 Initial Evaluation of an After-school Reading Tutorial for 2nd and 3rd Grade Students: Lessons Learned and Next Steps, Williams, Caroline
- UPR34 9:30-11:30 Development of a Student-Led, Student-Focused Mentorship Program for the ECU Honors College Perkins, Kasey Whitley Lauren McCoy, Kylie Wynn Murray
- UPR35 9:30-11:30 Is the Goldman Fristoe Test of Articulation an unbiased assessment of speech sound production skills for Southern American English children ages four to five, Whitley Dockery, Sarah Nasser
- UPR36 9:30-11:30 How has the community school framework impacted family support for learning at P.W. Moore Elementary?, Day, Jamie Brooklyn Emily Buchanan, Remington P Sullivan"
- UPR37 9:30-11:30 Is there a bias against Southern American English (SAmE) speakers in an undergraduate college classroom, Williams, Abigale Reagan Danielle Hall
- UPR38 9:30-11:30 Enhancing Electrical Systems Technology Education: A Study on Virtual and Augmented Reality Integration in Community Colleges, Hada, Dhwaniben Kailee Ann Grubbs, Jameson Johnson Gerdts, Aliah Mikelle Spencer, Stephanie Marie Stewart

Ballrooms | Natural Sciences

9:30-11:30 AM

- UPR39 9:30-11:30 Characterizing Inherited Patterns of Nicotine Use Behavior using a *c. elegans* Transgenerational Model, Yendamuri, SriPallavi
- UPR40 9:30-11:30 An Update to Expression and Purification of Cryptochrome 4 from Bacterial Cultures, Burris, Alyssa
- UPR41 9:30-11:30 Novel Synthesis of Biologically Significant Beta-Carbolines, Fisher, Alexander
- UPR42 9:30-11:30 Hypofibrinolytic defect affects on natural fibrin fiber digestion. , Sowers, Hannah
- UPR43 *Withdrawn*
- UPR44 9:30-11:30 Understanding the role of translation factor eIF4G in germ cell and embryo protein synthesis. , Barker, Brooke Chloe Wethington Cannon
- UPR45 9:30-11:30 Using Biodiversity to Assess Restoration Success and Monitoring Effectiveness, Mendoza, Ulises
- UPR46 9:30-11:30 Evaluation of High-Performance Liquid Chromatography Column Health Using the Hydrophobic-Subtraction Model Following Controlled Degradation, Ocampo, Carlos
- UPR47 9:30-11:30 Characterization of background dependent effects of *zfl1; zfl2* double mutants in maize development, Pakulniewicz, Emma

UPR48 9:30-11:30 Nutrient enrichment effects on wetland soil bacterial traits, Kidimbu, Glory

Ballrooms | Multidisciplines

10:00 AM-12:00 PM

- UPR49 10:00-12:00 Sustainable Horizons: Exploring design initiatives to shape vibrant college town, Greenville, NC., Lopez, Oasis
- UPR50 10:00-12:00 Autism Intervention Awareness in Eastern North Carolina, Sydney Grace Faulk, Hannah Claire Davis
- UPR51 10:00-12:00 Teaching Fraud Prevention to Seniors That email may not be your grandson; check it first, Clinefelter, Austin
- UPR52 10:00-12:00 Depth-based Action Recognition for Home Health Care Applications, Reyes, Saul
- UPR53 10:00-12:00 Eternal Light: Two Holocaust Survivors' Stories Of Perseverance, Meltsner, Jack
- UPR54 10:00-12:00 EdAccess: A Resource Compilation for English Learners (ELs) and People With Intellectual Disabilities (ID), Adgate, Sophie
- UPR55 10:00-12:00 Knife Building Creative Portfolio, Watkins, Noah
- UPR56 10:00-12:00 Innovation Project: Designing an App to Help with Household Inventory, Dixon, Sydney
- UPR57 10:00-12:00 Railcare Health: An undergraduate-led mobile health clinic, Juhl, Benjamin
- UPR58 10:00-12:00 How Preferred, Neutral, and Disliked Music Affect Entrainment and Heart Rate in Adults, Miller, Corrina
- UPR59 10:00-12:00 AI Enhanced Brain Signal Location, Schulteis, Sariah
- UPR60 10:00-12:00 Exploring Text Animation in Motion Graphics, Berkman, Thomas
- UPR61 10:00-12:00 Analysis of the Factors Influencing the Adoption of Telehealth Services among Acute Care Hospitals in the U.S, Boaz, Bradly
- UPR62 10:00-12:00 Typographic Experimentation and Creative Expression, Cook, Sydney

Ballrooms | Human Health

10:00 AM-12:00 PM

- UPR63 10:00-12:00 Understanding the role of dental providers in Human Papillomavirus (HPV) prevention, Bowen, Mackenzie
- UPR64 10:00-12:00 Barriers and Facilitators to Rural Opioid Harm Reduction Programs, Dracup, Erin
- UPR65 10:00-12:00 Student Perceptions of Major Health Needs Among Adult Refugees from Ukraine, Makanangot, Neha
- UPR66 10:00-12:00 Heterogeneity in cancer burden and control among black immigrants in the US: A systematic review of the literature, West, Tyler
- UPR67 10:00-12:00 Mini Pantry at Carol G. Belk, Williams, Iyaira
- UPR68 10:00-12:00 What types of physical activity do postpartum women engage in?, VanWynsberg, Aubrey
- UPR69 10:00-12:00 Education and Confidence of Nursing Care for Patients with Autism, Arensman, Rebekah
- UPR70 10:00-12:00 Impact of Aerobic Exercise on Blood Pressure, Faulmann, Emma
- UPR71 10:00-12:00 Fostering Trust and Enhancing Vaccine Equity within Spanish Speaking Populations, Puente-Herrera, Mariana
- UPR72 10:00-12:00 Utilizing the Health Belief Model to Optimize Patient Education Within FSPRx, Siddiqi, Imaan
- UPR73 10:00-12:00 Volumetric Measurement of the Tensor Veli Palatini in Children: A Preliminary Normative Study, Gillespie, Julia
- UPR74 10:00-12:00 The Influence of Brain Stimulation on Social Language Processing: A Focus on the Right Temporo-Parietal Junction, Burney, Jewlia
- UPR75 10:00-12:00 Determination of PFAS Concentration using LC-MS/MS analysis, Carter, Lauren Riley
Lauren Frechette
- UPR76 10:00-12:00 The Effects of Power Settings and Liquid Flavors on the Gravimetric Filter Correction

- Factors and Real-Time Measurements, Piner, Emma Gabriela (Gaby or Gabriela) Nicole Perez
 UPR77 10:00-12:00 Evaluating access to oral healthcare in pregnant patients., Sheaffer, Lucy Anna
 UPR78 10:00-12:00 The Effect of Preparatory Hip Muscle Activation on Lower Extremity Biomechanics during a Vertical Drop-Jump Task, Kim, Katherine
 UPR79 10:00-12:00 Parent Perspectives on Speech-Language Therapy Delivered via Telehealth During and After the Pandemic, Fromm, Caitlin

Ballrooms | Social Sciences

10:00 AM-12:00 PM

- UPR80 10:00-12:00 Perceptions of Later Life Physical Activity in Former Black Male College Athletes, Lawton, Darius
 UPR81 10:00-12:00 Young Adults' Use of Technology for Finding and Maintaining "Talking", Dating and Committed Relationships, Kibler, Kristy Chloe Anne Cooper, Allison Kelly Robinett"
 UPR82 10:00-12:00 Are they thinking about me? The impact of age metastereotypes on threat and avoidance, Cannon, Kaitlyn Isamar Ponce Ponce, Thomas M Evans, Matthew Brice Nobles
 UPR83 10:00-12:00 Autism Traits Influence Neural Correlates of Sarcasm Processing: Evidence from Event-Related Potentials, Povlich, Rindi
 UPR84 10:00-12:00 Nourishing Knowledge: Development and Assessment of the Impact of Low-Health Literacy Tailored Nutrition and Healthy Living Educational Handouts in Group Diabetes Management Class Settings, Kulkarni, Aaditi
 UPR85 10:00-12:00 Physical Activity Programming for Underserved Patients, Tarkington, Kensey
 UPR86 10:00-12:00 Evaluating the Impact of Social Media Influencers on Exercise Addiction in College-Aged Women, Darby, Leah
 UPR87 10:00-12:00 Effects of Relaxation on Adults, Juergens, Eleanor
 UPR88 10:00-12:00 Adjective Comprehension in aphasia: Evidence from eye-tracking, Evans, Grace
 UPR89 10:00-12:00 Barriers and Motivators for Participating in Mindfulness-Based Interventions in Emerging Adults from Underrepresented Racial/Ethnic Group, Signorelli, Jordan

Ballrooms | Biomedical Sciences

1:00-3:00 PM

- UPR90 1:00-3:00 Mammalian Sperm Heterogeneity During Capacitation in *mus musculus*, Charles, Aidan
 UPR91 1:00-3:00 Source Localization of Event-related Components for Lexical Decision Tasks, Leland, Margaret
 UPR92 1:00-3:00 In vivo interaction between SARS-CoV-2 and alpha synuclein performed fibrils, Omair, Ayesha
 UPR93 1:00-3:00 *Time of Day Effect on Knee Osteoarthritis Loading*, Morgan, Daniel
 UPR94 1:00-3:00 Immunotoxicity of understudied PFAS found in North Carolina, Wittenborn, Matthew
 UPR95 1:00-3:00 Analyzing the Impact of Pain Medication Usage on Antibiotic Resistance Patterns, Bista, Aliza
 UPR96 1:00-3:00 The Role of Myoferlin and SREBP2 in HTLV-1-Infected T-Cells: Implications for Adult T-Cell Leukemia (ATL) , Kalu, Anyanso
 UPR97 1:00-3:00 A Rapid Review of Parental Bereavement Interventions and Implications for Clinical Practice, Ramkumar, Rhea Abigail (Abby) Joan Floyd
 UPR98 1:00-3:00 Estimating the spermatogonial stem cell population in adult mice based on response to retinoic acid, Thomas, Matthew
 UPR99 1:00-3:00 How can two different microscopes image the same cell differently, Lilley, Rosario Sierra Nicole Carr, Kendall Marie Wilkerson
 UPR100 1:00-3:00 Magnetic Control of Protein Expression Via Magneto-Mechanical Actuation, Dedakia, Dhanushi Amara Ysabella Moeller
 UPR101 1:00-3:00 Adhesion-Mediated Synapse Formation in Developing Neural Networks, Desert, Gaelle
 UPR102 1:00-3:00 Unraveling the Role of Mitochondrial Cofilin in Apoptosis Regulation, Pizani, Bruno

UPR103 1:00-3:00 Examination of Novel Small-Molecule Modulators in Mitigating Learning Deficits in a Mouse Model of Alzheimer's Disease, Shah, Esha Marcus Jizong Apodaca, George Cherry

Ballrooms | Human Health

1:00-3:00 PM

- UPR104 1:00-3:00 Measurement of Nursing Faculty Informatics Competency, McCunney, Nora
UPR105 1:00-3:00 The Relationship between Level of Physical Activity (LPA)_vs. Speech Perception Abilities, Gavankar, Marysa
UPR106 1:00-3:00 Motivational Climate Development During Shooting Performance, Urbanski, Rachael Sydney Alexandra McIntyre, Elliott Brogden Jones, Robert (Blake) Blake Birdsong, Stephanie Joyce Flores, John Carlo Mallett
UPR107 1:00-3:00 Nurse Retention in the Acute Care Setting, Thomas, Emma
UPR108 1:00-3:00 Complexity of Walking With and Without Balance Perturbations, Blackburn, Hannah
UPR109 1:00-3:00 The Impact of Sustained Phonation on the Velopharyngeal Mechanism: A Literature Review, Jones, Loghan
UPR110 1:00-3:00 Spring Evaluation and Calibration of Low-Cost Aerosol Sensors, Brannin, Michael Sarah Elizabeth Fresquez
UPR111 1:00-3:00 Hand Arm Bimanual Intensive Therapy Improves Spatiotemporal Characteristics of Bimanual Coordination in Children with Unilateral Cerebral Palsy, Donnelly, Holly
UPR112 1:00-3:00 Do Developmental Factors Impact Interpretability of Nasopharyngoscopy Data?, LaFevers, Lydia
UPR113 1:00-3:00 Characteristics of Critically Ill Hemodialysis Patients with a Pressure Injury, Stafford, Briley
UPR114 1:00-3:00 A Volumetric Analysis of the Buccal Fat Pad in Children with a Repaired Cleft Palate, Apodaca, Marcus
UPR115 1:00-3:00 The influence of maternal exercise types on one-month infant body composition and blood lipids, Beaman, Meredith
UPR116 1:00-3:00 More Than Words Program and Its Associated Benefits: A Review of the Literature, Connor, Sarah Mckenzie
UPR117 1:00-3:00 Stressors and their Effects on Students Living in Dorms on Campus at ECU, Whittington, Crosby Donald Tyler Luckett, Silvia (Silvia-Aurora) Aurora Perez-Deluna

Ballrooms | Natural Sciences

1:00-3:00 PM

- UPR118 1:00-3:00 Synthesis of Biembellin, Geib, Matthew
UPR119 1:00-3:00 Determining The Best Housing Practices For Guinea Pigs, Rats, and Rabbits, Mozingo, Macey
UPR120 1:00-3:00 Investigating Cadmium, Lead, and Calcium Binding to Full-length Human Cardiac Troponin C Using Intrinsic Fluorescence, Ashton Fields, Rudy Sengelmann, Riley Warfel, Mac Harrison, and Anne Spuches
UPR121 1:00-3:00 Polygraph tests, Khanmohammadi, Saba
UPR122 1:00-3:00 The Effect of Fiber Tension on Blood Clot Digestion (Fibrinolysis), Packard, Joshua
UPR123 1:00-3:00 Investigating the spread and infection prevalence of a marine parasitic bopyrid (*Aporobopyrus curtatus*) within its non-native host, the green porcelain crab (*Petrolisthes armatus*), Zamudio-Jimenez, Enrique
UPR124 1:00-3:00 Examining the diet of a watchlist bird, the prothonotary warbler (*Protonotaria citrea*), using DNA barcoding techniques, Strandberg, Anna
UPR125 1:00-3:00 Title: Quantum Tunneling Effects in Rice Lipogeneses (OsLOX) Herring, Madeline
UPR126 1:00-3:00 Separation and Quantification of 15d-PMJ2 in Micelle Samples As an Anti-Cancer Therapeutic Using LC-MS/MS, Hindi, Malak
UPR127 1:00-3:00 Impact of Ship-Channel Dredging on Zooplankton Abundance and Species Composition

in Summer Months in Beaufort Inlet, North Carolina, Johnson, Taniya Lulea Dai Adams, Abigail Faith Alford

Ballrooms | Social Sciences 1:00-3:00 PM

- UPR128 1:00-3:00 Understanding voluntary self-exclusion across the U.S.: A comparative analysis of state-wide voluntary self-exclusion applications for individuals seeking to limit access to gambling, Morrison, Cassidy
- UPR129 1:00-3:00 LISTEN, BREATHE, MOVE - A PILOT WORKSHOP FOR INFORMAL/FAMILY CAREGIVERS, Dickerson, Ashby Margaret (Maggie) Grace Ford
- UPR130 1:00-3:00 Wearable Device Use and Mental Health, Chapman, Kimbal
- UPR131 1:00-3:00 Trait mindfulness and its effect on the use of conflict resolution strategies in close relationships and subsequent relationship satisfaction, Soto-Garcia, Nancy
- UPR132 1:00-3:00 Is the Organization Keeping their Promise? The role of Aging and Stereotypes in Psychological Contracts, Branch, Melanie Gillian Kay Christman, Kaitlyn Paige Cannon, Isamar Ponce Ponce, Matthew Brice Nobles, Melanie Alice Branch"
- UPR133 1:00-3:00 New team tug-of-war task communication and effort based on individual social identity, Nixon, Samantha
- UPR134 1:00-3:00 Exploring Opportunities for Growth in Mental Health Courts in North Carolina, Reardon, Tierney
- UPR135 1:00-3:00 Pirate Swap, Burcham, Macie Natalie J Martin, Lawrence Meshawn Newkirk, Anna Katherine Thomas, Amy Michelle Fadelici, Tia Shum
- UPR136 1:00-3:00 Modernization and Human Growth in Milan, Italy, Curtis, Eleanor

Ballrooms | Interdisciplinary Innovations 1:00-3:00 PM

- UPR137 1:00-3:00 Human Nature and Human Action: A Collaborative Approach to Decision Making, Evans, Ayri
- UPR138 1:00-3:00 A Praxeopsychological Approach to Online Marketing and Content Creation, Seawell, Elise Daniel Christopher Franklin
- UPR139 *Moved to Wednesday, 2:30-4:30, Writing Resources Center Poster*
- UPR140 1:00-3:00 Exposure of Undergraduate Nursing Students to Translational Science: A Quantitative Study, Asby, Bryce
- UPR141 *Moved to Wednesday, 2:30-4:30, Writing Resources Center Poster*
- UPR142 *Moved to Wednesday, 2:30-4:30, Writing Resources Center Poster*
- UPR143 1:00-3:00 T-Shirts to Totes: How T-Shirts Impact the Environment, Johnston, Jessica
- UPR144 1:00-3:00 Innovation in Medical Education: Crafting a 3D Printed Female Pelvic Model, Mathew, Joanna Yanni Peter Pavlikianidis
- UPR145 1:00-3:00 Diurnal concentrations of eDNA of threatened juvenile river herring species in the lower Roanoke River, Bailey, Camden
- UPR146 1:00-3:00 An Efficiency Analysis of Intercollegiate Athletics Hefner, Claire
- UPR147 *Moved to Wednesday, 2:30-4:30, Writing Resources Center Poster*

Ballrooms | Engineering 1:30-3:30 PM

- UPR148 1:30-3:30 Analyzing Aesthetic and Material Properties in Product Design, Mata-Delgado, Yasmin
- UPR149 1:30-3:30 Using the Critical Path Method CPM (CPM) for Evaluating Allocation Potential of Temporary Housing Unit Design, Wilson, Josey
- UPR150 1:30-3:30 LoRaWAN Solution for Automated Water Drainage of Agricultural Fields, Exum, Cris
- UPR151 1:30-3:30 Utilizing 3-D Building Information Modeling (BIM) Approaches to Propose Novel Post-

- Disruption Housing Designs using the Modularity of Recycled Shipping Containers, Boardman, Stavros Josey Marie Wilson
- UPR152 1:30-3:30 Supercritical Water Desalination Technology, Hindi, Alqasem
- UPR153 1:30-3:30 Constructing a Prototype for a Flow Reactor Prototype for Continuous Flow Catalysis, Akinbanjo, Awesome
- UPR154 1:30-3:30 Simulation of Student Traffic, Arruza, Sophie
- UPR155 1:30-3:30 Neural Identification of Design Fixation using Functional Near-Infrared Spectroscopy, Rumble, Leah
- UPR156 1:30-3:30 Vertical Axis Wind Turbine Active Blade Pitch Control and efficiency, Graham, Matthew
- UPR157 1:30-3:30 Mix Optimization and Final Compressive Strength Prediction of Geopolymer Concrete, Ellis, Robert
- UPR158 1:30-3:30 Identifying Optimal Workflow in Pulmonary Hypertension Patients, Simpson, Lauren

Ballrooms | Social Sciences

1:30-3:30 PM

- UPR159 1:30-3:30 Soul Food: An Examination on the Physical Activity of Black Women, Walker, Jalen
- UPR160 1:30-3:30 Personality and Aggression, Graham, Ethan
- UPR161 1:30-3:30 Dentists and HPV Prevention: Understanding how dental providers can help reduce HPV-related head and neck cancers, Bagwell, Faith
- UPR162 1:30-3:30 Trauma Center Trauma-Sensitive Yoga Programs on Campus: Student Needs, Interest, and Preferences, Buford, Aaliyah
- UPR163 1:30-3:30 Predictors of Cognitive Functioning in Infants Visiting the NICU Follow-Up Clinic, Teli, Katelynn
- UPR164 1:30-3:30 Examining Levels of Loneliness and Social Anxiety in College Students and Their Relationship Across Different Phases of The Pandemic, Signorelli, Jordan
- UPR165 1:30-3:30 Relationships of Self-Constraint with Reporting Symptoms of Anxiety and Depression, Kinnaman, Kolby
- UPR166 1:30-3:30 GENDER DIFFERENCES IN TEACHER RATINGS OF ANXIETY IN ELEMENTARY SCHOOL, Farrar, Owen
- UPR167 1:30-3:30 Investigating the Impact of Childhood Social Support and Environmental Unpredictability on Adult Attachment Styles: An Online Survey Analysis, Harris, Nevaeh
- UPR168 1:30-3:30 Defining Passionate Leadership: An Assessment of Effectiveness, Fleishman, Lindsey

Ballrooms | Natural Sciences

1:30-3:30 PM

- UPR169 1:30-3:30 Preliminary Assessment of Flood Potential and Treatment of Sediment by Dry Detention Basins in Greenville, NC, Landreth, Camryn Paige Elise Brown
- UPR170 1:30-3:30 Optimizing the Expression and Purification of the C-terminal Domain of Human Cardiac Troponin C for Fluorescence Studies with Calcium and Cadmium Binding, Sengelmann, Rodolfo
- UPR171 1:30-3:30 Can you make me stronger?: Antibiotic resistance of *Pseudoalteromonas spp.* & *Bacillus spp.* to prevent corrosion on micro-ecosystems, Amick, Savannah
- UPR172 1:30-3:30 Embedding Acid Scavengers into Melamine/ Formaldehyde Polymers Morales, Rodriguez, Yasmin
- UPR173 1:30-3:30 Seedbank analysis of invasive and native plant species found in the soils of a local greenway, Nieves, Kayleah Amelia Claire Moore
- UPR174 1:30-3:30 Kinetic Investigations of Solvent Effects on Human Epithelial 15-Lipoxygenase-2 (15-LOX-2), Patel, Soham
- UPR175 1:30-3:30 Fibrinogen: The Mastermind Behind Thrombosis in Pregnant Women, Gonzalez Mundarain, Maria
- UPR176 1:30-3:30 Illuminating Collagen: Exploring Triple Helix Formation with Fluorescence Kinetics, Smith, Rachel

UPR177 1:30-3:30 Investigating the restoration success of living shorelines using parasites, Zango, Louise
UPR178 1:30-3:30 Soil seedbank study of a recovering meadow community of pollinator-friendly species,
Butts, Carson

Ballrooms | Biomedical Sciences

1:30-3:30 PM

UPR179 1:30-3:30 The Effect of Knee Extension at Impact from Landing on Femoral Cartilage Thickness in Recreationally Active Adults, Goodwin, Connor
UPR180 1:30-3:30 Protein Biomarkers for Mitochondrial Dynamics in the Forebrain of Aging Rats, Phipps, Mary
UPR181 1:30-3:30 The importance of the novel desiccation tolerance factor *dtpC* in *Acinetobacter baumannii*, Li, Gary
UPR182 1:30-3:30 Neuroimmunotoxicological effects of short-term exposure to PFAS found in North Carolina surface waters, West, Yveonna
UPR183 1:30-3:30 The Detection of Heavy Metals in Teeth Using XRF Measurements, Wells, Mary
UPR184 1:30-3:30 Structural abnormalities that result in functional impairments due to metabolic disease, Castro, Jasmine
UPR185 1:30-3:30 Developing a systematic review of the neurotoxic effects of per- and polyfluoroalkyl substances, Moore, Ashanti
UPR186 1:30-3:30 How does anxiety influence shooting performance? , Cleary, Ellie
UPR187 1:30-3:30 Identifying compounds that block HTLV-1 infection and pathogenesis, Gibson, Gabiel
UPR188 1:30-3:30 The Efficacy of Blue Light in Decreasing Physiological Fear Responses, Muhammad, Kamilah
UPR189 1:30-3:30 Determining the Effect of Sex on Femoral Cartilage Thickness (FCT) Changes Following Drop Jumping Activities in Healthy Individuals, Vesper, Starrett
UPR190 1:30-3:30 Development of novel molecular optogenetic tools to study Hirano body formation in neurons, Becton, Maelee
UPR191 1:30-3:30 MADCAM-1 and TNF- α Expression Reduced in GPR4 Knockout Mice Given Immune Checkpoint Inhibitor Immunotherapy, Boldt, Lucas
UPR192 1:30-3:30 Mineralizing a Dentin-like Structure for Clinical & Educational Applications with Calcium Phosphate and gelMA, Gentle, Bailey