

COASTAL CAROLINA UNIVERSITY



Undergraduate Research Symposium

April 10 and 11, 2024

The Undergraduate Research Competition is a spring tradition at Coastal Carolina University. This year, students and faculty mentors from different majors and all university colleges have worked to produce both oral and poster presentations. These are the results of months, and in some cases, years of effort on undergraduate research projects, and demonstrate the strength of experiential learning at CCU. Congratulations, presenters!

Program Overview

Wednesday, April 10, 2024

12:00 – 2:00 PM Poster Session I – Lib Jackson Student Union Atrium

2:00 – 5:00 PM Oral Presentations – Lib Jackson Student Union (see program for rooms)

Thursday, April 11, 2024

12:00 – 3:00 PM Oral Presentations- Lib Jackson Student Union (see program for rooms)

3:00 – 5:00 PM Poster Session II – Lib Jackson Student Union Atrium

2024 Undergraduate Research Symposium Schedule

ORAL PRESENTATIONS

Oral Session I: Wednesday, April 10, 2:00-5:00 pm

Time	LJSU A110 (Theater)	LJSU A213	LJSU A214
2:00 PM	<p>Kathryn I. Hanson</p> <p>Cyanobacterial HAB genera in five stormwater retention ponds of northeastern SC: Time trends in abundance and relationship to water quality measures of eutrophication</p> <p><i>Faculty Research Mentors: Susan Libes, Department of Marine Science and Victoria Green</i></p>	<p>Dustin Sayer Markey</p> <p>Religion and Revolution: How Religion Determined Loyalty in the American Revolution</p> <p><i>Faculty Research Mentor: John Navin, Department of History</i></p>	<p>Genesis Hernandez</p> <p>How Odor and Political Stance Affect Views on Immigration and Refugees</p> <p><i>Faculty Research Mentor: Terry Pettijohn, Department of Psychology</i></p>
2:20 PM	<p>Christian Chomey</p> <p>Floodplain sedimentation shift probably linked to early 20th-century land-use change in the Southeast United States</p> <p><i>Faculty Research Mentor: Zhixiong Shen, Department of Marine Science</i></p>		<p>Grace M. Robinette</p> <p>Evidence Presentation in Criminal Trials</p> <p><i>Faculty Research Mentor: Skye Woestehoff, Department of Psychology</i></p>
2:40 PM	<p>Madison L. Geraci</p> <p>Fiddler Crab Gut Microbiomes as an Indicator for Eutrophication due to Waste-water Contamination in Estuaries</p> <p><i>Faculty Research Mentors: Eric Rosch, and Angelos Hannides, Department of Marine Science</i></p>	<p>Tyler D. Schoup</p> <p>British Policy and Colonial Response</p> <p><i>Faculty Research Mentor: John Navin, Department of History</i></p>	<p>Katelyn N. Blanchard</p> <p>Crime, Punishment, and Politics: Perceptions Through the Lens of Terror Management</p> <p><i>Faculty Research Mentor: Terry Pettijohn, Department of Psychology</i></p>

Time	LJSU A110 (Theater)	LJSU A201	LJSU A214
3:00 PM	<p>Sarah McCready</p> <p>Drivers of the Formation of Sandy Shore Intertidal Biofilms</p> <p><i>Faculty Research Mentor: Angelos Hannides, Department of Marine Science</i></p>	<p>Jordan Blazer</p> <p>Spiritualism: How a Childhood Prank Sparked a Movement</p> <p><i>Faculty Research Mentor: John Navin, Department of History</i></p>	<p>Madison Christine Leusner</p> <p>The Effect of Room Lighting Brightness and Song Tempo on Mood and Song Preference in College Students</p> <p><i>Faculty Research Mentor: Terry F. Pettijohn, Department of Psychology</i></p>
3:20 PM	<p>Shelby G. Pawlikowski</p> <p>Life on the Big Screen: Seasonal Tidal Creek Habitat Use and Potential Ecological Effects of Piscivorous Fishes</p> <p><i>Faculty Research Mentor: Juliana M. Harding, Department of Marine Science</i></p>	<p>Ethan J. Whiten</p> <p>Analysis and Identification of Timbers Found in Wadboo Creek, Charleston, SC</p> <p><i>Faculty Research Mentor: Sara Rich, HTC Honors Department</i></p>	<p>Luke Beirne</p> <p>Benchmarking Framework for HPC Storage System Performance Analysis and Bottleneck Identification</p> <p><i>Faculty Research Mentors: William Jones, Department of Computing Sciences, and Brian Atkinson, Los Alamos National Laboratory</i></p>
3:40 PM	<p>Ashley Dalleske</p> <p><i>Pterois volitans</i> (Lionfish) are opportunistic predators and eat indiscriminately regardless of size</p> <p><i>Faculty Research Mentor: Eric Rosch, Department of Marine Science</i></p>	<p>Elijah Smith</p> <p>What Represents You?</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>	<p>W. Drew Graham</p> <p>Applied Machine Learning for Surrogate Modeling: A Spatio-Temporal Approach</p> <p><i>Faculty Research Mentors: William M. Jones, Department of Computing Sciences; Nathan A. DeBardeleben, Sharmistha Chakrabarti, and Vanessa Job, Los Alamos National Laboratory</i></p>

Time	LJSU A110 (Theater)	LJSU A201	LJSU A214
4:00 PM	<p>Delaney S. Griffin</p> <p>Factors That Predict Emigration of Female Loggerhead Shrikes in Urban Horry County, SC</p> <p><i>Faculty Research Mentor: Chris Hill, Department of Biology</i></p>	<p>Akiyle K. Kilgore</p> <p>African American Struggles in the LGBTQ+ Community</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>	<p>Evie Burroughs, Alexis Hoffman, Stephanie Panos, and Savannah Piziak</p> <p>The Effectiveness of Focused Breathing Regarding Mindfulness in Young Adults with Intellectual and/or Developmental Disabilities</p> <p><i>Faculty Research Mentor: Kaunert-Whiteman, Department of Recreation Sport Management</i></p>
4:20 PM	<p>Jenna Monroe</p> <p>Anthropogenic Affects on Nest Composition</p> <p><i>Faculty Research Mentor: Chris Hill, Department of Biology</i></p>	<p>Coco Farrow</p> <p>We All Play the Same: Investigating the Effects of Title IX and NIL Policies on International Student-Athletes in the US</p> <p><i>Faculty Research Mentor: Richard Aidoo, Department of Political Science</i></p>	<p>Alyssa Avallone, Clare Cuenya, Caitlyn Flemmer, and Abigail Hatcher</p> <p>Gender Disparities in Mental Health Problems Among STEM and non-STEM Undergraduates</p> <p><i>Faculty Research Mentor: Sharon Thompson, Department of Health Sciences</i></p>
4:40 PM		<p>Hannah M. Herness</p> <p>Structural Coercion Does Not Prevent Autonomy nor Informed Consent</p> <p><i>Faculty Research Mentor: Emily McGill, Department of Philosophy and Religious Studies</i></p>	<p>Karolina Ysabel Martinez</p> <p>The Higher Education Experiences of Children of Immigrants: The Barriers They Face</p> <p><i>Faculty Research Mentor: Danny Malone, Department of Sociology</i></p>

Oral Session II: Thursday, April 11, 12:00-3:00 pm

Time	LJSU A-100 (Theater)	LJSU A-201	LJSU A-214
12:00 PM	<p>Peyton G. Kinavey</p> <p>The Cryptic Creatures: Determining Habitat Occupancy of Pine Snakes (<i>Pituophis melanoleucus</i>) using environmental DNA</p> <p><i>Faculty Research Mentors: Michelle M. Barthet and Scott L. Parker, Department of Biology</i></p>	<p>Rachel Jeric</p> <p>Liquids: The Dry Edition</p> <p><i>Faculty Research Mentor: Ronald Green, Department of Philosophy and Religion</i></p>	<p>Keith Bullard</p> <p>Prescribing Drug Dosages Using Calculus</p> <p><i>Faculty Research Mentor: Rajendra Dahal, Department of Mathematics</i></p>
12:20 PM	<p>Dominic C. Parise</p> <p>Correlation Between Weather Patterns and Nest Success in Loggerhead Shrikes</p> <p><i>Faculty Research Mentor: Chris Hill, Department of Biology</i></p>	<p>Taylor Houston</p> <p>The Responsibility of Learning</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>	<p>Lana Flanigan</p> <p>Ultraviolet to Visible Down Conversion of ZnO₂-Eu²⁺ Nanospheres for Solar Cell Application</p> <p><i>Faculty Research Mentors: David Kumi, and Nicholas Harmon, Department of Physics and Engineering Science</i></p>
12:40 PM	<p>Kali Goldman</p> <p>A Test of the RBI Account of Verbal Overshadowing: Description Accuracy × Identification Delay on Eyewitness Identification Performance</p> <p><i>Faculty Research Mentor: Melissa Baker, Department of Psychology</i></p>	<p>Chris Mayer</p> <p>Investigating Theatrical Training and its Price</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>	<p>Isabella C. Banner</p> <p>Pro-Life Rhetoric: A Rhetorical Analysis of Live Action's Website</p> <p><i>Faculty Research Mentor: Wendy Weinhold, Department of Communication, Media and Culture</i></p>

Time	LJSU A-100 (Theater)	LJSU A-201	LJSU A-214
1:00 PM	<p>Nathaniel A. Olsen</p> <p>Virtual Reality Public Speaking Exposure and the Effect of Personality</p> <p><i>Faculty Research Mentor: Andrew Terranova, Department of Psychology</i></p>	<p>Isaiah Cook</p> <p>Theatre as Festival: Creating, Sharing, Celebration.</p> <p><i>Faculty Research Mentor: Benjamin Sota, Department of Theatre</i></p>	<p>Connor V. Mojo</p> <p>Student Perspectives Throughout the Evolution of Coastal Carolina University, 1953-2023</p> <p><i>Faculty Research Mentor: Dominique Werboff, Director of Arboriculture</i></p>
1:20 PM	<p>Samantha G Leo</p> <p>The Influence of Eyewitness Description Tasks on Witness Response Criteria During Lineup Identifications</p> <p><i>Faculty Research Mentor: Melissa Baker, Department of Psychology</i></p>	<p>Gabriella R. Seebode</p> <p>Sexism; on screen and stage, and how it transcends time</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>	<p>Hampton West</p> <p>Direct Impacts of Economic Sanctions on Terrorist Organizations</p> <p><i>Faculty Research Mentor: Matthew Cobb, Department of Intelligence and Security Studies</i></p>
1:40 PM	<p>Taryn Killmayer</p> <p>The Effect of Flowers and Meditation on Student Affect and Altruism</p> <p><i>Faculty Research Mentor: Terry Pettijohn, Department of Psychology</i></p>	<p>Jordan Smith</p> <p>Sylvia Plath as the Obsessed Artist in Film</p> <p><i>Faculty Research Mentor: Steve Hamelman, Department of English</i></p>	<p>Mary Lauren Reese</p> <p>Making Peace Happen; Examining External Support for Disarmament, Demobilization, and Reintegration Programs</p> <p><i>Faculty Research Mentor: Matthew Cobb, Department of Intelligence and Security Studies</i></p>

Time	LJSU A-100 (Theater)	LJSU A-201	LJSU A-214
2:00 PM		<p>Kaitlyn Chance</p> <p>Educational Resources for LGBTQIA+ Parents</p> <p><i>Faculty Research Mentor: Ina Seethaler, Department of Women's and Gender Studies</i></p>	<p>Molly Jones and Hannah Albert</p> <p>The People's Mujahideen of Iran (MEK): Dissidents, Terrorists, or CIA Assets?</p> <p><i>Faculty Research Mentor: Joseph Fitsanakis, Department of Intelligence and Security Studies</i></p>
2:20 PM		<p>Egypt Shierra La'shay Anderson</p> <p>Our Declaration of Independence: College Students Escaping Abusive Backgrounds</p> <p><i>Faculty Research Mentors: Eric Schultz, Edwards Center for Inclusive Excellence, and Tiffany Hollis, Department of Educational Studies</i></p>	<p>(Presentation Moved to Poster Session II, Thursday, 3:00-5:00 pm)</p> <p>Renaissance "Rein" Fraser</p> <p>Songs of Zion</p> <p><i>Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence</i></p>

2024 Undergraduate Research Symposium

POSTER PRESENTATIONS

(poster number in parentheses next to name)

POSTER SESSION I

Wednesday, April 10, 12:00-2:00 pm

Nancy Jacquelyn Alvarez (39)

Analysis of Tobacco Pipe Artifacts from Archaeological Investigations at 38GE201, Laurel Hill Rice Plantation

Faculty Research Mentor: David Palmer, Department of Anthropology and Geography

Gabriel Ozzy Austin (2)

Efficacy of multiple primer sets in detecting *Pseudo-nitzschia* along the Grand Strand

Faculty Research Mentor: Megan Cevalco, Department of Biology

Olivia Berkut (15)

Social Media Representation on Campus

Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Tyler Berry (28)

Synthesis of Furan-Containing Phidianidine Analogues

Faculty Research Mentor: Bryan Wakefield, Department of Chemistry

Alexandra Bonner (29)

Developing a Community Screen for Heartworm to Determine an Endemic Infection Risk in the Community

Faculty Research Mentor: Paul Richardson, Department of Chemistry

Amelia Bonner (36)

She's Got the Beat: Female Musicians Around the Globe

Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Taylor Marie Castelot (27)

Multimedia storytelling: Book banning in South Carolina

Faculty Research Mentor: Anna Mukamal, Department of English

Morganne Coon , Kasey Smith, Raina Truesdale, and Tennisyn Parrish (3)

Comparison of Cultured and eDNA Bacterial *Vibrio* Sequences Collected From Local Waters

Faculty Research Mentor: Megan Cevalco, Department of Biology

Alexis C. Davis (6)

Variations in body condition of male Atlantic sand fiddler crabs (*Uca pugilator*)

Faculty Research Mentor: Eric Rosch, Department of Marine Science

Brandon Decker (4)

Comparing the Seasonal Abundance of Vibrio Bacteria of Coastal Waters

Faculty Research Mentor: Megan Cevalco, Department of Biology

Lauren M. DeJong (30)

Characterization of a unique RNA regulator element in the 5' UTR of rpoB in Lactobacillus

Faculty Research Mentor: Brian Lee, and Gabriela C. Pérez Alvarado, Department of Chemistry

Sadie Disselkoen and Christina Gentile (31)

Cyclization Reactions to Construct the Core of Flinderole C

Faculty Research Mentor: Bryan Wakefield, Department of Chemistry

Benjamin Dolak, Isabelle Holland, and Karaline Fandrich (26)

Korean Culture, Korean Wave (Hallyu), Korean Tourism, and Hyperlocal Tourism

Faculty Research Mentor: Bomi Kang, Department of Hospitality, Resort and Tourism Management

Jenna Downey (42)

Tart Cherry Juice Supplementation on Sleep Quality in Female Collegiate Athletes

Faculty Research Mentor: Brandon Willingham, Department of Kinesiology

Jeliscia Edwards (32)

The exploration of Retina-Related Diseases and its Physiological Biomarkers

Faculty Research Mentor: Brian Lee, Department of Chemistry

Luke T. Ferguson (33)

Different Yeast Strain Effects on the Sugar Profiles in Finished Beer

Faculty Research Mentor: Drew Budner, Department of Chemistry

Mattie Flading (16)

Ad Nauseam: Exploring OCD Through Visual Art

Faculty Research Mentor: Meghan O'Connor, Department of Visual Arts

Jamie A. George (7)

Effects of Environmental Parameters on Populations of Mud Crabs (*Panopeus spp.*) and Blue Crabs (*Callinectes sapidus*) in South Carolina

Faculty Research Mentor: Eric Rosch, Department of Marine Science

Hunter A Hardee (25)

Exclusionary Discipline : How does it impact students?

Faculty Research Mentor: Suzanne Horn, Department of Education

Lawton Hawkins (43)

Acute Changes in Range of Motion and Vertical Jump Performance as a Result of Foam Rolling with and without Vibration

Faculty Research Mentor: Jason Smith, Department of Kinesiology

Genesis Hernandez (22)

The Relationship between Gender, Loyalty, and Views toward Pornography

Faculty Research Mentor: Melissa Baker, Department of Psychology

Jake J. Heydon (44)

Betaine Supplementation Does Not Significantly Impact Exercise Performance in the Heat

Faculty Research Mentor: Brandon D. Willingham, Department of Kinesiology

Hannah Higgins (34)

Synthesis of Phenyl Containing Phidianidine Analogs

Faculty Research Mentor: Bryan Wakefield, Department of Chemistry

Alondra S. Johnson (24)

Taking Back Herstory: The Women that Shaped Music

Faculty Research Mentors: Eric Schultz, and Edurne Beltran de Heredia Carmona, Department of Language and Intercultural Studies

Grace M. Keaveney (21)

Self-Care Scale Development: Emerging themes from the Front Lines

Faculty Research Mentors: Kerry Schwanz, and Melissa Paiva-Salisbury, Department of Psychology, Plymouth State University

Michael Knight (5)

Bacteriophages, and their Place in Biomedical Applications

Faculty Research Mentor: Daniel Williams, Department of Biology

Brannon LaFrancis (6)

The Analysis and Annotation of the Temperate Bacteriophage EmyBug

Faculty Research Mentor: Daniel Williams, Department of Biology

Cassidy M. Mason (45)

Non-invasively Measuring Skeletal Muscle Mitochondrial Capacity with Blood Flow Restriction

Faculty Research Mentor: Justin P. Guilkey, Department of Kinesiology

Tylor J. Mattress (35)

Molecular and microbial identification of environmental bacteriophages in bodies of water on the campus of Coastal Carolina University.

Faculty Research Mentor: Paul E. Richardson, Department of Chemistry

Andrew Michalak (13)

Martian Regolith Suspension Due to Ionization

Faculty Research Mentors: Roi Gurka, and George Hitt, Department of Physics

Elizabeth I. Middleton (20)

Compassion Fatigue, Self-Care, and Well-Being in Helping Professionals

Faculty Research Mentor: Kerry Schwanz, Melissa Paiva-Salisbury, Department of Psychology

Abigail Noel Mish (8)

How Turbidity Correlates With Kelp In Kachemak Bay, AK

Faculty Research Mentor: Richard Viso, Department of Marine Science

Ana Pettijohn and Claire Romain (14)

Attempted Syntheses of the Flinderole Core

Faculty Research Mentor: Bryan Wakefield, Department of Chemistry

Bradley Pope (37)

Analysis of Nickel and Copper Metal in Honey

Faculty Research Mentor: Drew Budner, Department of Chemistry

Jenna M. Ricker (19)

The Impacts of Priming on the Perceptions of Mentally Ill Offenders

Faculty Research Mentor: Terry Pettijohn, Department of Psychology

Veronika Rustembekova (9)

The Effect of Lighting and Sound on Fiddler Crab Behavior

Faculty Research Mentor: Eric Rosch, Department of Marine Science

Caleb R. Sease (10)

Error Analysis of Numerical Weather Prediction Forecasts and Remotely-Sensed Air Properties

Faculty Research Mentors: Erin Hackett, Department of Marine Science, and Daniel Greenway, Coastal Marine Systems Science Doctoral Program

Emma Shane (41)

Assessing Water Quality of South Carolina's Grand Strand and the Health Implications Pollutants Have on Exposed Communities

Faculty Research Mentor: Jesse Rouse, Department of Anthropology and Geography

Jessica Lynn Suhadolink, Grace Keaveney, Nathaniel Olsen, and Morgan Pankey (18)

Predictors of Compassion Fatigue in Helping Professionals

Faculty Research Mentors: Kerry Schwanz and Melissa Paiva-Salisbury, Department of Psychology

Ella Swantek (11)

Effects of Urbanization on Eutrophication Risk

Faculty Research Mentor: Angelos Hannides, Department of Marine Science

Mackenzie Tecco (12)

Nest Site Selection of Loggerhead Shrikes

Faculty Research Mentor: Chris Hill, Department of Biology

Grey Thompson (23)

Performers to Politicians: How the Career Shift Can Make a Great Leader

Faculty Research Mentor: Jordan Roberts, Department of Intelligence and Security Studies

Jake VanArsdale (46)

Physiological Effects of Work-Recovery Ratio During Aerobic Exercise with Blood Flow Restriction

Faculty Research Mentors: Justin Guilkey, and Jakob Lauver, Department of Kinesiology

Regan Verespice (38)

Investigation of flavor compounds in gluten-free beers

Faculty Research Mentor: Drew Budner, Department of Chemistry

Christy Waters (17)

Manga Creation: A Study in Visual Storytelling

Faculty Research Mentor: Yvette Arendt, Department of Visual Arts

POSTER SESSION II

Thursday, April 11, 3:00-5:00 pm

Anthony S. Alter (14)

Explaining the Pushback Faced by New Inclusive and Representative Films

Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Talana Lynn Banks (6)

Examining protein interactions between MatK and nuclear-encoded proteins to form a chloroplast splicing complex.

Faculty Research Mentor: Michelle Barthelet, Department of Biology

Karin Barrett (15)

Addictive Algorithms and ADHD

Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Isaac William Brewer and Shannon Bischof (40)

Junk to Jewelry

Faculty Research Mentor: Joseph Minnich

Cody Casey (7)

In silico comparative analysis of osteichthyan homologs of the Bicaudal C developmental regulator

Faculty Research Mentor: Chiara Gamberi, Department of Biology

Abigail Caviris (2)

Quantifying the Maternal Transfer of Microplastics within the Spiny Dogfish (*Squalus acanthias*) Species

Faculty Research Mentors: George Boneillo and Daniel Abel, Marine Science

Eric Cha (3)

Utilization of Relative Condition Index (Kn) of White Shrimps (*Litopenaeus setiferus*) for Habitat Assessments in Winyah Bay, SC

Faculty Research Mentor: Ryan Rezek, Department of Marine Science

Anna Belle Cook (8)

Expression of Alzheimer's Genes Alter Movement Properties in the Fruit Fly (*Drosophila melanogaster*)

Faculty Research Mentor: Ryan Yoder, Department of Psychology and Fang Ju-Lin, Department of Biology

Kaitlinne Crosco (22)

Total Polyphenol Concentration in Gluten-free Beers

Faculty Research Mentor: Budner, Department of Chemistry

Gianna Curto (30)

A Comparison of Methods to Determine Intensity During Aerobic Exercise with Blood Flow Restriction
Faculty Research Mentor: Jakob Lauver, Department of Kinesiology

Ashley Dalleske (4)

Do Hermit Crabs Rock Out to Beethoven When They're Hungry? The Impacts of Anthropogenic Noise on Animal Behavior
Faculty Research Mentor: Eric Rosch, Department of Marine Science

Elisabeth Daniels (35)

Combining Explicit Learning Instructions and High-Pressure Simulations During Practice Prevents Choking Under Pressure
Faculty Research Mentors: Marcos Daou, and Gregory Martel, Department of Exercise and Sport Science

Mateo Elmore (37)

A Comparison of Borderlands In The Hispanic World Through Photography
Faculty Research Mentor: Edurne Beltran de Heredia Carmona, Department of Languages

Renaissance "Rein" Fraser (16)

Songs of Zion
Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Catherine A. Friedline (5)

Weight-length relationships for common fish and invertebrate species in Winyah Bay, South Carolina
Faculty Research Mentor: Ryan Rezek, Department of Marine Science

Paiton Hagen (17)

Lack of Environmental Education is Harming Horry County, What Do We Do?
Faculty Research Mentor: Eric Schultz, Edwards Center for Inclusive Excellence

Hannah Higgins (9)

Effect of Downregulating Lactate Dehydrogenase (LDH) in Alzheimer's Disease using a Drosophila Model
Faculty Research Mentor: Fang Ju Lin, Department of Biology

Grace M. Keaveney (41)

The Effect of Chewing Gum on Academic Performance and Mood
Faculty Research Mentor: Terry F. Pettijohn, Department of Psychology

Madison A. Klump (28)

Sun Protection Behaviors, Health Beliefs, Attitudes, and Norms Among College Students
Faculty Research Mentor: Michael S. Dunn, Department of Public Health

Sela Lomascolo (31)

The Effects of Limb Occlusion During High Intensity Intermittent Exercise (HIIE)

Faculty Research Mentor: Timothy Rotarius, Department of Kinesiology

Wendy "Cor" McHone (26)

Impacts of Hurricane Events on Sand Biogeochemistry

Faculty Research Mentor: Angelos Hannides, Department of Marine Science

Avery McIlwaine (13)

Title IX Today: Analyzing the Policies and Regulations Regarding Transgender Athlete Participation

Faculty Research Mentor: Amanda Siegrist, Department of Recreation Sport Management

Riley Melton (32)

Using Muscle Oxygenation to determine inter-set rest duration and the effects on performance

Faculty Research Mentor: Justin Guilkey, Department of Kinesiology

Lena Meras (10)

Identifying Vibrio in Public Shellfish Harvesting Waters' Bacterial Communities

Faculty Research Mentor: Megan Cevasco, Department of Biology

Raegan Meyer (45)

Whose Aid Develops Africa: An Examination of Chinese and Western Aid to African Countries

Faculty Research Mentors: Richard Aidoo, and Min Ye, Department of Political Science

Katherine Mitchell (27)

Influences on Water Velocity Within a Buoyant Plume: Winyah Bay, SC

Faculty Research Mentor: Diane Bennett Fribance, Department of Marine Science

Madison Murray, Gabrielle Sowers, Monica Manley, and Ella Schad (11)

Comparative Analysis of EmyBug

Faculty Research Mentor: Daniel Williams, Department of Biology

Isabel Myers (21)

Isolation and Analysis of Extracellular Vesicles from Lactic Acid Bacteria

Faculty Research Mentor: Brian M. Lee, Department of Chemistry

Samantha Oliver and Alexandra Szyndler (38)

Operation Avarice: Colonial Ideology Through Gameplay

Faculty Research Mentor: Alex Hogue, Department of Languages and Intercultural Studies

S. Taylor Pierce (39)

Necessity for Prostitution Prevention in the 19th Century

Faculty Research Mentor: John Navin, Department of History

Megan Quinn (25)

Behavioral responses of mummichogs (*Fundulus heteroclitus*) to visual and chemical cues from predators and distressed conspecifics

Faculty Research Mentor: Eric Rosch, Department of Marine Science

Keirstin A. Roose (33)

Psychological Interventions and Perceptions of Sport Psychology Among Division I Athletes

Faculty Research Mentors: Jamie McAllister-Deitrick, and K Michelle Singleton, Department of Kinesiology

Leah A. Rose (20)

Impact of yeast strain on millet beer

Faculty Research Mentor: Drew Budner, Department of Chemistry

Garrett A. Sammons (19)

The Use of Aryl Boronic Acids to Promote Friedel-Crafts Reactions with Unactivated Allylic Alcohols

Faculty Research Mentor: Bryan Wakefield Ph.D, Department of Chemistry

Mackenzie Sarne (42)

The Effect of Physical Exercise on the Performance of a Dexterity Task

Faculty Research Mentor: Terry F. Pettijohn, Department of Psychology

Kiana Rae Shibler (46)

Assessment of Litter Composition in the Waccamaw River

Faculty Research Mentors: Pamela Martin, Debra Buffkin, and Winyah Rivers Alliance, Department of Political Science

Cierra Alexis Shimp (24)

The Impacts of Boat Traffic on the distribution of Striped dolphins, *Stenella coeruleoalba*, in the Aegean Sea

Faculty Research Mentor: Robert Young, Department of Marine Science

Natalie S. Smith (47)

The Chesapeake Bay Regional Planning Compact: A Proposal on How to Save the Bay

Faculty Research Mentors: Jennifer Mocos, Honors College & Jacqueline Kurlowksi, Department of Political Science

Avery Snyder (29)

Sunscreen Use and Skin Cancer Awareness

Faculty Research Mentor: Michael Dunn, Department of Public Health

Jessica Lynn Suhadolink and Elizabeth Middleton (43)

Ask the Experts: Using Helping Professional and Expert Feedback to Refine the Self-Care Behaviors and Beliefs Scale

Faculty Research Mentors: Kerry Schwanz, and Melissa P-S., Department of Psychology

Kyla Thomas(12)

Systematic Analysis of Bacteriophage Phayonce gene toxicity on host *Mycobacterium smegmatis*

Faculty Research Mentor: Daniel C Williams, Department of Biology

Rahjai G. Thomas (18)

Determining the prevalence of Human Papilloma Virus in college students at Coastal Carolina University to determine the correlation between behaviors/attitudes and HPV presence.

Faculty Research Mentors: Paul E Richardson, Department of Chemistry, and Dr Fredanna McGough, Department of Public Health

Evan S. Welker (44)

The Effects of Psychopathy and Empathetic Dilemmas on Moral Decisions

Faculty Research Mentor: Melissa Baker, Department of Psychology

Ashley Whalen (34)

The Impact of a Sports Nutrition Education Intervention on Sports Nutrition Knowledge

Faculty Research Mentors: K Michelle Singleton, and Jamie McAllister-Deitrick, Department of Kinesiology

Kayleigh Wolstenholme (23)

Ontogenetic Changes in Trophic Level of White and Brown Shrimp in the Winyah Estuary, SC

Faculty Research Mentor: Ryan Rezek, Department of Marine Science

Samantha Zeh (36)

Optimizing Virtual Design to Enhance the Virtual User Experience - Virtual Shikoku Pilgrimage Project Case Study

Faculty Research Mentor: Susan Bergeron, Department of Anthropology and Geography

Presenter Index

Lead Presenter Name	Format	Presentation Time	Location
Anthony S Alter	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Nancy Jacquelyn Alvarez	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Egypt Shierra La'shay Anderson	Oral Presentation	Thu, April 11, 2:20 pm	LJSU A-201
Gabriel Ozzy Austin	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Alyssa Avallone	Oral Presentation	Wed, April 10, 4:20 pm	LJSU A-214
Talana Lynn Banks	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Isabella C. Banner	Oral Presentation	Thu, April 11, 12:40 pm	LJSU A-214
Karin Barrett	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Luke Beirne	Oral Presentation	Wed, April 10, 3:20 pm	LJSU A-214
Olivia Berkut	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Tyler Berry	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Katelyn N. Blanchard	Oral Presentation	Wed, April 10, 2:40 pm	LJSU A-214
Jordan Blazer	Oral Presentation	Wed, April 10, 3:00 pm	LJSU A-201
Alexandra Bonner	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Amelia Bonner	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Isaac William Brewer	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Keith Bullard	Oral Presentation	Thu, April 11, 12:00 pm	LJSU A-214
Evie Burroughs	Oral Presentation	Wed, April 10, 4:00 pm	LJSU A-214
Cody Casey	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Taylor Marie Castelot	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Abigail Caviris	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Eric Cha	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Kaitlyn Chance	Oral Presentation	Thu, April 11, 2:00 pm	LJSU A-201
Christian Chomey	Oral Presentation	Wed, April 10, 2:20 pm	LJSU A-100 (Theater)
Anna Belle Cook	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Isaiah Cook	Oral Presentation	Thu, April 11, 1:00 pm	LJSU A-201
Morganne Coon	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Kaitlinne Crosco	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Gianna Curto	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Ashley Dalleske	Oral Presentation	Wed, April 10, 3:40 pm	LJSU A-100 (Theater)
Ashley Dalleske	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Elisabeth Daniels	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Alexis C. Davis	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Brandon Decker	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Lauren M. DeJong	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Sadie Disselkoen	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Benjamin Dolak	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Jenna Downey	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Jeliscia Edwards	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Mateo Elmore	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium

Coco Farrow	Oral Presentation	Wed, April 10, 4:20 pm	LJSU A-201
Luke T. Ferguson	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Mattie Flading	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Lana Flanigan	Oral Presentation	Thu, April 11, 12:20 pm	LJSU A-214
Renaissance "Rein" Fraser	Oral Presentation	Thu, April 11, 2:20 pm	LJSU A-214
Catherine A. Friedline	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Jamie A. George	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Madison L. Geraci	Oral Presentation	Wed, April 10, 2:40 pm	LJSU A-100 (Theater)
Kali Goldman	Oral Presentation	Thu, April 11, 12:40 pm	LJSU A-100 (Theater)
W. Drew Graham	Oral Presentation	Wed, April 10, 3:40 pm	LJSU A-214
Delaney S Griffin	Oral Presentation	Wed, April 10, 4:00 pm	LJSU A-100 (Theater)
Paiton Hagen	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Kathryn I Hanson	Oral Presentation	Wed, April 10, 2:00 pm	LJSU A-100 (Theater)
Hunter A Hardee	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Lawton Hawkins	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Genesis Hernandez	Oral Presentation	Wed, April 10, 2:00 pm	LJSU A-214
Genesis Hernandez	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Hannah M. Herness	Oral Presentation	Wed, April 10, 4:40 pm	LJSU A-201
Jake J. Heydon	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Hannah Higgins	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Hannah Higgins	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Taylor Houston	Oral Presentation	Thu, April 11, 12:20 pm	LJSU A-201
Rachel Jeric	Oral Presentation	Thu, April 11, 12:00 pm	LJSU A-201
Alondra S Johnson	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Molly Jones	Oral Presentation	Thu, April 11, 2:00 pm	LJSU A-214
Grace M. Keaveney	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Grace M. Keaveney	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Akiyle K. Kilgore	Oral Presentation	Wed, April 10, 4:00 pm	LJSU A-201
Taryn Killmayer	Oral Presentation	Thu, April 11, 1:40 pm	LJSU A-100 (Theater)
Peyton G. Kinavey	Oral Presentation	Thu, April 11, 12:00 pm	LJSU A-100 (Theater)
Madison A. Klump	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Michael Knight	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Brannon LaFrancis	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Samantha G Leo	Oral Presentation	Thu, April 11, 1:20 pm	LJSU A-100 (Theater)
Madison Christine Leusner	Oral Presentation	Wed, April 10, 3:00 pm	LJSU A-214
Sela Lomascolo	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Dustin Sayer Markey	Oral Presentation	Wed, April 10, 2:00 pm	LJSU A-213
Karolina Ysabel Martinez	Oral Presentation	Wed, April 10, 4:40 pm	LJSU A-214
Cassidy M. Mason	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Tylor J. Mattress	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Chris Mayer	Oral Presentation	Thu, April 11, 12:40 pm	LJSU A-201
Sarah McCready	Oral Presentation	Wed, April 10, 3:00 pm	LJSU A-100 (Theater)
Wendy "Cor" McHone	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium

Avery McIlwaine	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Riley Melton	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Lena Meras	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Raegan Meyer	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Andrew Michalak	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Elizabeth I. Middleton	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Abigail Noel Mish	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Katherine Mitchell	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Connor V. Mojo	Oral Presentation	Thu, April 11, 1:00 pm	LJSU A-214
Jenna Monroe	Oral Presentation	Wed, April 10, 4:20 pm	LJSU A-100 (Theater)
Madison Murray	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Isabel Myers	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Samantha Oliver	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Nathaniel A. Olsen	Oral Presentation	Thu, April 11, 1:00 pm	LJSU A-100 (Theater)
Dominic C. Parise	Oral Presentation	Thu, April 11, 12:20 pm	LJSU A-100 (Theater)
Shelby G. Pawlikowski	Oral Presentation	Wed, April 10, 3:20 pm	LJSU A-100 (Theater)
Ana Pettijohn	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
S. Taylor Pierce	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Bradley Pope	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Megan Quinn	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Mary Lauren Reese	Oral Presentation	Thu, April 11, 1:40 pm	LJSU A-214
Jenna M. Ricker	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Grace M Robinette	Oral Presentation	Wed, April 10, 2:20 pm	LJSU A-214
Keirstin A. Roose	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Leah A. Rose	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Veronika Rustembekova	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Garrett A Sammons	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Mackenzie Sarne	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Tyler D Schoup	Oral Presentation	Wed, April 10, 2:40 pm	LJSU A-213
Caleb R. Sease	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Gabriella R. Seebode	Oral Presentation	Thu, April 11, 1:20 pm	LJSU A-201
Emma Shane	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Kiana Rae Shibler	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Cierra Alexis Shimp	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Elijah Smith	Oral Presentation	Wed, April 10, 3:40 pm	LJSU A-201
Jordan Smith	Oral Presentation	Thu, April 11, 1:40 pm	LJSU A-201
Natalie S. Smith	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Avery Snyder	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Jessica Lynn Suhadolink	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Jessica Lynn Suhadolink	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Ella Swantek	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Mackenzie Tecco	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Rahjai G Thomas	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium

Kyla Thomas	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Grey Thompson	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Jake VanArsdale	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Regan Verespie	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Christy Waters	Poster Presentation	Poster I: Wed 4/10, 12-2 pm	LJSU Atrium
Evan S. Welker	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Hampton West	Oral Presentation	Thu, April 11, 1:20 pm	LJSU A-214
Ashley Whalen	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Ethan J Whiten	Oral Presentation	Wed, April 10, 3:20 pm	LJSU A-201
Kayleigh Wolstenholme	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium
Samantha Zeh	Poster Presentation	Poster II: Thu 4/11, 3-5 pm	LJSU Atrium

Poster Locations

