

## ***Congratulations and thank you to all of our 2021 undergraduate presenters, mentors, and reviewers!***

*We recognize the following students for excellence and outstanding achievement for their presentations.*

This list is provided alphabetically by last name of the primary presenter.

**Badr Abdullah**, Biological Sciences (major), Chemistry minor - Junior

Mentor(s)/co-Author(s):

Dr. Michael Myrick, Department of Chemistry and Biochemistry

Ms. Caitlyn English, Department of Chemistry and Biochemistry

**Fluorescence Microscopy Studies of *Lyngbya wollei***

in Morning Session, Category-UG: Biology and Environmental Sciences B

*\*For Graduation with Leadership Distinction in Research*

**Amy Abraham**, Public Health (major)

Mentor(s)/co-Author(s):

Dr. Kimberly Becker, Department of Psychology

Ms. Wendy Chu, Department of Psychology

**The Role of Paraprofessionals in the Mental Health Structure of India**

in Morning Session, Category-UG: Social Sciences A

**Adam Baker**, Exercise Science (major), Chemistry minor - Senior

Mentor(s)/co-Author(s):

Dr. Troy Herter, Department of Exercise Science

**Cortical Damage and Disconnection Effects on Motor Impairment from Stroke**

in Afternoon Session, Category-UG: Health Sciences J

**Sierra Batson**, Mechanical Engineering (major) - Freshman

Mentor(s)/co-Author(s):

Dr. Sourav Banerjee, Department of Mechanical Engineering

**Forensic Investigation of Aerospace Composites using NDE after Impact to Characterize the Nature of the Impact**

in Afternoon Session, Category-UG: Engineering and Computing D

**Jacob Blottenberger**, Mechanical Engineering (major) - Senior

Mentor(s)/co-Author(s):

Dr. Sourav Banerjee, Department of Mechanical Engineering

**Quantifying Material Memory**

in Afternoon Session, Category-UG: Engineering and Computing D

*\*For Graduation with Leadership Distinction in Research*

**Jill Boggs**, Political Science (major), History (major) - Senior

Mentor(s)/co-Author(s):

Dr. Stanley Dubinsky, Department of English Language and Literature

Dr. Michael Gavin, Department of English Language and Literature

**The plight of Tajikistan's Pamiri population and their search for recognition**

in Morning Session, Category-UG: Arts and Humanities B

**Reaghan Briggs**, Cardiovascular Technology (major) - Junior

Mentor(s)/co-Author(s):

Dr. Brie Turner-McGrievy, Department of Health Promotion, Education and Behavior

Ms. Christina Chauvenet, Department of Health Promotion, Education and Behavior

**Relationship Between Stress, Food Insecurity, and Eating Behaviors Among African American Adults**

in Afternoon Session, Category-UG: Health Sciences J

**Jacob Brock**, Biological Sciences (major), Computer Science minor - Senior

Mentor(s)/co-Author(s):

Dr. Timothy Mousseau, Department of Biological Sciences

**Determining Habitat Preferences for South Carolina Species Using Motion Triggered Camera Traps**

in Morning Session, Category-UG: Biology and Environmental Sciences C

**Dillon Bryant**, Public Health (major), Business Administration minor - Senior

**Sarah Sellers**, Biological Sciences (major), Women's and Gender Studies minor - Senior

**Emily Gosnell**, Public Health (major), Psychology minor - Junior

**Stefano Belmonte**, Public Health (major), Chemistry minor - Junior

Mentor(s)/co-Author(s):

Dr. Sean Norman, Department of Environmental Health Sciences

**The Hunt for SARS-CoV-2 in UofSC's Campus Wastewater**

in Afternoon Session, Category-UG: Biology and Environmental Sciences G

**Darren Burton**, Accounting (major) - Senior

**Leadership Through Personal Strengths**

in Morning Session, Category- UG: Experiential Learning and GLD B

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Matthew Caputo**, Statistics (major), Neuroscience minor - Senior

Mentor(s)/co-Author(s):

Dr. Abigail Hogan, Department of Psychology

Ms. Kayla Smith, Department of Psychology

**Eye Gaze and Heart Rate Deceleration as Indices of Attention in Autism**

in Morning Session, Category-UG: Psychology and Health A

**Christopher Carter**, Mechanical Engineering (major), Art Studio minor - Senior

Mentor(s)/co-Author(s):

Dr. Lang Yuan, Department of Mechanical Engineering

Mr. Tianyu Zhang, Department of Mechanical Engineering

**An Analysis of Solidification Conditions in the Simulated Melt Pool of 316L Stainless Steel during Laser Powder Bed Fusion Additive Manufacturing**

in Morning Session, Category-UG: Engineering and Computing A

**Griffin Carter**, Biomedical Engineering (major), Computer Science minor - Senior

Mentor(s)/co-Author(s):

Dr. R. Michael Gower, Department of Chemical Engineering

Ms. Candice Cheung, Biomedical Engineering Program

**Investigating the Effects of Nanoparticle Delivery to Myoblasts on Differentiation into Myotubes**

in Afternoon Session, Category-UG: Engineering and Computing E

**Jessica Cerillo**, Public Health (major) - Senior

**Let's Get To Know You!**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health E

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Mary Chapin**, International Studies (major), Interdisciplinary Studies (major) - Junior

Mentor(s)/co-Author(s):

Dr. Meredith DeBoom, Department of Geography

**Bias in the International Criminal Court?**

in Morning Session, Category-UG: Social Sciences and Humanities A

*\*For Graduation with Leadership Distinction in Research*

**McKenzie Chestnut**, Environmental Science (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Ms. Theresa Harrison, College of Education

**Everyone is an Environmentalist- they just don't know it yet**

in Afternoon Session, Category-UG: Experiential Learning and GLD II

*\*For Graduation with Leadership Distinction in Community Service*

**Mira Clavecilla**, Exercise Science (major), Health Promotion, Education, and Behavior minor - Senior

Mentor(s)/co-Author(s):

Dr. Daping Fan, Cell Biology and Anatomy; UofSC School of Medicine - Columbia

Dr. Junfeng Wang, Cell Biology and Anatomy; UofSC School of Medicine - Columbia

**Boosting immune cell function in response to breast cancer through the effects of miR-155 OE tumor-derived exosomes**

in Morning Session, Category-UG: Biology and Biomedical Sciences A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Shannen Cloherty**, Operations and Supply Chain (major), Political Science (major) - Senior

**Shannen Cloherty GLD**

in Morning Session, Category-UG: Experiential Learning and GLD A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Emily Collie**, Exercise Science (major), Psychology minor - Senior

**Mental Health Ambassadors and Effective Storytelling in Suicide Prevention**

in Morning Session, Category-UG: CIEL/GLD - Wellness and Health A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Maggie Collins**, Biological Sciences (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Ms. Sarah Matthews, Center for Integrative and Experiential Learning

**Working as a Veterinary Technician: Gaining Clinical & Professional Skills During COVID-19**

in Morning Session, Category-UG: CIEL/GLD - Wellness and Health C

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Jonathan Conrady**, Psychology (major), German Studies minor - Senior; UofSC Upstate

Mentor(s)/co-Author(s):

Dr. Scott Meek, Department of Psychology; UofSC Upstate

**Effects of Anonymity on Deception**

in Afternoon Session, Category-UG: Psychology and Health E

**Kennedy Corley**, Operations and Supply Chain (major), Integrated Information Technology minor - Senior

**Knowledge is Our Greatest Inheritance**

in Afternoon Session, Category-UG: Experiential Learning and GLD HH

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Caitlin Costner**, Political Science (major), Spanish minor - Senior

**Service and Independence in a Partisan Government: My Washington Semester Program**

in Morning Session, Category-UG: Experiential Learning and GLD C

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Kaitlin Cox**, Experimental Psychology (major), Interdisciplinary Studies (major) - Senior

Mentor(s)/co-Author(s):

Dr. Nicole Zarrett, Department of Psychology

**The challenges facing underserved youth: The role of afterschool program staff in supporting healthy development**

in Morning Session, Category-UG: Social Sciences B

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Jon Crane**, Biological Sciences (major), Chemistry minor - Senior

**Learning about Compassion in Healthcare Abroad**

in Afternoon Session, Category-UG: CIEL/GLD - Cultural Diversity D

*\*For Graduation with Leadership Distinction in Global Learning*

**Kiersten Crouse**, Mechanical Engineering (major), Biology minor - Junior

Mentor(s)/co-Author(s):

Dr. John Eberth, Cell Biology and Anatomy; UofSC School of Medicine - Columbia

Mr. Colton Kostelnik, Biomedical Engineering Program

**Regional Microscopy and Mechanics of Vascular Bypass Grafts**

in Morning Session, Category-UG: Biology and Biomedical Sciences B

*\*For Graduation with Leadership Distinction in Research*

**Samantha Curatolo**, Integrated Information Technology (major) - Senior

**Joshua Pate**, Integrated Information Technology (major) - Senior

**Daley Mackey**, Integrated Information Technology (major) - Senior

**International Law Dispute Resolution App**

in Afternoon Session, Category-UG: Computing E

**Chandler Curtis**, Biological Sciences (major), Health Promotion, Education, and Behavior minor - Junior

Mentor(s)/co-Author(s):

Dr. Jeffery Twiss, Department of Biological Sciences

Ms. Courtney Buchanan, Department of Biological Sciences

**Functional Interplay between Fubp1 and KHSRP**

in Morning Session, Category-UG: Biology and Biomedical Sciences A

*\*For Graduation with Leadership Distinction in Research*

**Cassandra D'Amico**, Biology (major), Psychology minor - Senior; UofSC Upstate

**Brooke Bennett**, Biology (major), Psychology minor; UofSC Upstate

Mentor(s)/co-Author(s):

Dr. Kimberly Shorter, Division of Natural Sciences and Engineering; UofSC Upstate

**L-methylfolate's effects on dendritic spines in SH-SY5Y cells**

in Morning Session, Category-UG: Biology and Biomedical Sciences C

**Stephen Dey**, Biology (major) - Senior; UofSC Aiken

Mentor(s)/co-Author(s):

Dr. Derek Zelmer, Department of Biology and Geology; UofSC Aiken

**Asynchrony and Disease Persistence in Centrarchid Fishes**

in Afternoon Session, Category-UG: Biology and Environmental Sciences F

**Stephanie Dijkhoff**, Management (major), Advertising and Public Relations minor - Senior

Mentor(s)/co-Author(s):

Dr. Marketa Kubickova, College of Hospitality, Retail and Sport Management

**Going Paperless in the Human Resources Department**

in Afternoon Session, Category-UG: Experiential Learning and GLD GG

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Lillian Doll**, Environmental Science (major), Biology minor - Sophomore

Mentor(s)/co-Author(s):

Dr. W. Joe Jones, Environmental Health Sciences

**Ecological Monitoring of Huntington Beach State Park for Conservation via UAS Survey**

in Morning Session, Category-UG: Biology and Environmental Sciences C

**Allison Egeli**, Biological Sciences (major), Dance (major) - Junior

Mentor(s)/co-Author(s):

Dr. Holly LaVoie, Cell Biology and Anatomy; UofSC School of Medicine - Columbia

**Left ventricular extracellular matrix protein mRNA levels in Timp4 null mice during pregnancy and lactation**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences I

*\*For Graduation with Leadership Distinction in Research*

**Taylor Faherty**, Biological Sciences (major), Interdisciplinary Studies (major) - Junior

Mentor(s)/co-Author(s):

Dr. David Reisman, Department of Biological Sciences

**An Analysis of novel lncRNAp53int1 Expression Levels during differentiation of leukemic cells**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences M

*\*For Graduation with Leadership Distinction in Research*

**Olivia Falk**, Political Science (major), Experimental Psychology (major) - Senior

Mentor(s)/co-Author(s):

Mr. David Deweil, Capstone Scholars Program

**Catalytic passion for change**

in Afternoon Session, Category-UG: CIEL/GLD - Cultural Diversity E

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Caroline Farrell**, International Business (major), Operations and Supply Chain (major) - Senior

Mentor(s)/co-Author(s):

Ms. Julie Hutt, South Carolina Honors College

**Discovering Innovation Policy: A Semester at a Think Tank in Washington**

in Morning Session, Category-UG: Experiential Learning and GLD H

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Gabi Fedel**, Cardiovascular Technology (major) - Senior

**Global Learning**

in Morning Session, Category-UG: CIEL/GLD - Cultural Diversity B

*\*For Graduation with Leadership Distinction in Global Learning*

**O'livia Felton**, Biology (major) - Senior; UofSC Aiken

**Savanna Ray**, Biology (major) - Senior; UofSC Aiken

Mentor(s)/co-Author(s):

Dr. Mary Mills, Department of Biology and Geology; UofSC Aiken

**Mosquito Vector and Viral Populations in Aiken, SC**

in Morning Session, Category-UG: Biology and Environmental Sciences B

**Miriam Feng**, Hospitality Management (major), Business Administration minor - Senior

**Real-world experience before in class knowledge**

in Afternoon Session, Category-UG: Experiential Learning and GLD FF

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Kristen Gambardella**, International Business (major), Management (major) - Junior

Mentor(s)/co-Author(s):

Dr. Sayward Harrison, Department of Psychology

Julia Budiongan, Public Health (major) - Master's student

Emily Loud, Public Health (major) - PhD Student

**"HPV, never heard of it!" : A Systematic Review of Human Papillomavirus (HPV) Perception, Awareness, Knowledge and Associated Characteristics of South Africans**

in Morning Session, Category-UG: Health Sciences B

**Catherine Garcia**, Anthropology (major), Spanish (major) - Senior

Mentor(s)/co-Author(s):

Dr. Joanna Casey, Department of Anthropology

Dr. Karen Smith, South Carolina Department of Natural Resources, Cultural Heritage Trust

**An Analysis of Ceramic Vessel Form and Function at the Pockoy Island Shell Rings**

in Afternoon Session, Category-UG: Social Sciences G

**Natalie Gately**, Marketing (major), Spanish minor - Senior

Mentor(s)/co-Author(s):

Ms. Gina Spence, Center for Integrative and Experiential Learning

**The Value of Relationships in High-Context Cultures**

in Afternoon Session, Category-UG: CIEL/GLD - Cultural Diversity E

*\*For Graduation with Leadership Distinction in Global Learning*

**Kellen Gatton**, Public Health (major), Spanish minor - Senior

Mentor(s)/co-Author(s):

Mr. David DeWeil, Capstone Scholars Program

**Understanding is Belonging: The Path to Call Carolina Home**

in Afternoon Session, Category-UG: Experiential Learning and GLD CC

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Rose Giandana**, Management (major), Marketing (major) - Senior

Mentor(s)/co-Author(s):

Mr. David Deweil, Capstone Scholars Program

**Organizational Effectiveness At Its Core**

in Afternoon Session, Category-UG: Experiential Learning and GLD GG

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Wanjiru Gikiri**, Sport and Entertainment Management (major), Business Administration minor - Senior

Mentor(s)/co-Author(s):

Dr. Ambra Hiott, Leadership and Service Center

**The Importance of Understanding Organizational Structure Prior to Entering the Business Industry**

in Morning Session, Category-UG: Experiential Learning and GLD G

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Rachel Gilbert**, Political Science (major), English (major) - Senior

**The Spark of Education**

in Afternoon Session, Category-UG: Experiential Learning and GLD JJ

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Kaitlin Glover**, Biological Sciences (major), Marine Science minor - Junior

Mentor(s)/co-Author(s):

Dr. Matt Kimball, School of the Earth, Ocean and Environment

**Juvenile brown and white shrimp seasonal occurrence and growth in a warm-temperate estuary over the last 35 years**

in Morning Session, Category-UG: Biology and Environmental Sciences A

**Samantha Gordon**, English (major) - Senior

Mentor(s)/co-Author(s):

Dr. Hannah Rule, Department of English Language and Literature

**Investigating secondary educators' perceptions of social media literacy and its classroom integration: a qualitative survey inquiry**

in Morning Session, Category-UG: Social Sciences A

**Caroline Gregory**, International Studies (major), Japanese minor - Senior

**Learning Intercultural Competency in Japan**

in Afternoon Session, Category-UG: CIEL/GLD - Cultural Diversity D

*\*For Graduation with Leadership Distinction in Global Learning*

**Annika Gupta**, Biochemistry and Molecular Biology (major), Art Studio minor - Senior

Mentor(s)/co-Author(s):

Dr. Melissa Duffy, Department of Educational Studies

**Sculpting Organs: Development of an Arts-Based Educational Activity for Anatomy Learning**

in Afternoon Session, Category-UG: Social Sciences G

**Hayley Hall**, Biomedical Engineering (major), Biology minor - Senior

Mentor(s)/co-Author(s):

Dr. R. Michael Gower, Department of Chemical Engineering

**Resveratrol Releasing Scaffolds and Healthy Dietary Changes as a Treatment Strategy for Type 2 Diabetes**

in Afternoon Session, Category-UG: Engineering and Computing E

**Sara Hamilton**, Mathematic (major), Economics (major) - Senior

Mentor(s)/co-Author(s):

Dr. Orgul Ozturk, Department of Economics

**An Alarming Ascent: Understanding the Economic Indicators of Exploitation Under the H-2A Temporary Agricultural Program**

in Morning Session, Category-UG: Social Sciences B

**Camryn Hanna**, Marketing (major), Sport and Entertainment Management (major) - Senior

**The Birth of a Professional**

in Afternoon Session, Category-UG: Experiential Learning and GLD II

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Danielle Hassan**, Marketing (major), Management (major) - Senior

Mentor(s)/co-Author(s):

Ms. Maegan Gudridge, Division of Student Affairs and Academic Support

**Understanding a Customer**

in Morning Session, Category-UG: Experiential Learning and GLD C

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Katherine Heck**, English (major), Global Studies (major) - Junior

Mentor(s)/co-Author(s):

Dr. Michael Gavin, Department of English Language and Literature

Dr. Stan Dubinsky, Department of English Language and Literature

**Being Kurdish on Twitter: A Case Study in Ethnolinguistic Conflict**

in Afternoon Session, Category-UG: Arts and Humanities E

**Erica Henninger**, Biochemistry and Molecular Biology (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Dr. Jane Roberts, Department of Psychology

Ms. Erin Hunt, Department of Psychology

Ms. Kayla Smith, Department of Psychology

**ASD Diagnostic Disparities between Males and Females**

in Afternoon Session, Category-UG: Psychology and Health F

**Caroline Hensing**, Interdisciplinary Studies (major) - Sophomore

Mentor(s)/co-Author(s):

Dr. Glenn Weaver, Department of Exercise Science

Ms. Chantal LaFlamme, Public Health Programs

**Seasonal Variability in Children's 24-Hour Movement Behaviors: A Systematic Review**

in Morning Session, Category-UG: Health Sciences A

**Bailey Hoffert**, Public Health (major), Biology minor - Senior

Mentor(s)/co-Author(s):

Dr. Casey Giraudy, Department of Health Promotion, Education, and Behavior

**The Impact of Inadequate Public Health on Rural Communities**

in Morning Session, Category-UG: CIEL/GLD - Cultural Diversity B

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Caitlin Hoffman**, Triple Major: Political Science, Russian, and Philosophy - Senior

Mentor(s)/co-Author(s):

Dr. Hilary Lichterman, Housing

**Leading Beyond Borders**

in Afternoon Session, Category-UG: Experiential Learning and GLD JJ

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Lauren Honan**, Biochemistry and Molecular Biology (major), French minor - Senior

Mentor(s)/co-Author(s):

Dr. Parastoo Hashemi, Department of Chemistry and Biochemistry

**Optimization of Serotonin Detection: Efforts Towards Improved in vivo Analysis**

in Afternoon Session, Category-UG: Chemistry, Physics, and Math D

*\*For Graduation with Leadership Distinction in Research*

**Savannah Howell**, Chemical Engineering (major) - Senior

Mentor(s)/co-Author(s):

Dr. Jochen Lauterbach, Department of Chemical Engineering

Mr. Michael Royko, Department of Chemical Engineering

**Investigation of Wash-Coatless Stainless-Steel Mesh Catalysts for High Temperature CO Oxidation**

in Morning Session, Category-UG: Engineering and Computing A

**Yaunna Hunter**, Public Relations (major) - Senior

Mentor(s)/co-Author(s):

Ms. Sarah Matthews, Center for Integrative and Experiential Learning

**The dynamics between Leadership and Professional & Civic Engagement**

in Afternoon Session, Category-UG: Experiential Learning and GLD BB

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Jamaal Jacobs**, Biological Sciences (major) - Senior

Mentor(s)/co-Author(s):

Dr. Joshua Stone, Department of Biological Sciences

**Cyclic Fluctuations of Zooplankton Dynamics in an Intertidal Salt-Marsh Basin**

in Afternoon Session, Category-UG: Biology and Environmental Sciences F

**Victoria Jamison**, Finance (major), Marketing (major) - Senior

**The Power of Connection: Fostering Relationships in New Environments and Unprecedented Times**

in Afternoon Session, Category-UG: Experiential Learning and GLD KK

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*



**Meoshay Jefferson**, Political Science (major), Business Administration: minor - Senior

Mentor(s)/co-Author(s):

Dr. Denise Wellman, Division of Student Affairs and Academic Support

**Empathy, Development, Peace: My Takeaways from the Middle East**

in Afternoon Session, Category-UG: CIEL/GLD - Cultural Diversity E

*\*For Graduation with Leadership Distinction in Global Learning*

**Tyreek Jenkins**, Biomedical Engineering (major), Chemistry minor - Senior

Mentor(s)/co-Author(s):

Dr. Hainan Lang, Medical University of South Carolina, Pathology and Laboratory Medicine

**Immune cell dysfunction and blood vessel atrophy in age-related hearing loss**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences M

*\*For Graduation with Leadership Distinction in Research*

**Bailey Johnson**, Music (major) - Senior

**All About the Tempo**

in Morning Session, Category-UG: Experiential Learning and GLD D

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Samantha Johnson**, Global Studies (major), Women's and Gender Studies minor - Sophomore

Mentor(s)/co-Author(s):

Dr. Emily Mann, Department of Health Promotion, Education, and Behavior

**Are First-Time Mothers of 'Advanced Maternal Age' Actually 'High Risk'? A Systematic Examination of Clinical Research**

in Morning Session, Category-UG: Health Sciences D

**Blake Jones**, Biological Sciences (major), Neuroscience minor - Senior

Mentor(s)/co-Author(s):

Dr. Jeffrey Twiss, Department of Biological Sciences

**Elucidating Functions of ATF4 in Neurons and Glia**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences L

**Megan Jones**, Exercise Science (major) - Senior

Mentor(s)/co-Author(s):

Dr. Marj Pena, Department of Biological Sciences

**The Effects of a High Fat Diet and Long-Term Exposure to Low-Dose Penicillin on Intestinal Tumor Development in a Mouse Model of Colorectal Cancer**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences I

*\*For Graduation with Leadership Distinction in Research*

**Sophie Kahler**, Geography (major), History minor - Senior

Mentor(s)/co-Author(s):

Dr. Conor Harrison, Department of Geography

**The Evolution of Columbia's Neighborhoods: 1937 to Present**

in Morning Session, Category-UG: Social Sciences and Humanities A

**Jonathan Kappel**, Physics (major), Mathematic (major) - Senior

Mentor(s)/co-Author(s):

Dr. Thomas Crawford, Department of Physics and Astronomy

**Single Particle Magnetic Particle Spectroscopy**

in Afternoon Session, Category-UG: Chemistry, Physics, and Math D

**Michael Keller**, Exercise Science (major), Chemistry minor - Senior

Mentor(s)/co-Author(s):

Dr. Ioulia Chatzistamou, Pathology, Microbiology, and Immunology; UofSC School of Medicine – Columbia

Dr. Hippokratis Kiaris, Department of Drug Discovery & Biomedical Sciences

**Polymorphisms in Unfolded Protein Response Genes**

in Morning Session, Category-UG: Biology and Biomedical Sciences E

**Victoria Keschinger**, Environmental Science (major) - Senior

**Peer Leadership in the Green Quad Community**

in Afternoon Session, Category-UG: Experiential Learning and GLD KK

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Chelsea Kuehler**, Liberal Studies - Senior; Palmetto College

Mentor(s)/co-Author(s):

Dr. Sarah Miller, History; UofSC Salkehatchie

**All the Little Things**

in Morning Session, Category-UG: CIEL/GLD - Cultural Diversity A

*\*For Graduation with Leadership Distinction in Community Service*

**Grace Lady**, Baccalaureus Artium et Scientiae (major) - Senior

Mentor(s)/co-Author(s):

Dr. Melissa Duffy, Department of Educational Studies

**How can I help? Investigating the Role of Social Supports in Academic Resilience Among Undergraduate Students**

in Afternoon Session, Category-UG: Social Sciences F

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Benjamin Leslie**, Experimental Psychology (major) - Senior

**Cameryn Freglette**, Experimental Psychology (major), Neuroscience minor - Junior

**Natalie Long**, Dance (major), Experimental Psychology (major) - Junior

Mentor(s)/co-Author(s):

Dr. Svetlana Shinkareva, Department of Psychology

Ms. Sewon Oh, Department of Psychology

**Ratings of Affective Narrative**

in Morning Session, Category-UG: Social and Health Sciences A

**Kirstin Lewis**, Criminology and Criminal Justice (major), Sociology minor - Senior

Mentor(s)/co-Author(s):

Dr. Tia Stevens Andersen, Department of Criminology and Criminal Justice

**Adolescent Mentoring**

in Afternoon Session, Category-UG: Experiential Learning and GLD AA

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Christian Loftis**, Computer Science (major) - Sophomore

Mentor(s)/co-Author(s):

Dr. Jianjun Hu, Department of Computer Science and Engineering

**Lattice Thermal Conductivity Prediction Using Symbolic Regression and Machine Learning**

in Afternoon Session, Category-UG: Computing E

**Blakely Lovett**, Public Health (major), Advertising and Public Relations minor - Senior

**Blakely Lovett - Professional and Civic Engagement**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health G

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Andrew W. Lyon**, Exercise Science (major) - Senior

Mentor(s)/co-Author(s):

Dr. Kyle Silvey, Department of Physical Education and Athletic Training

Mr. T. Cade Abrams, Department of Physical Education and Athletic Training

Mr. Bryan M. Terlizzi, Department of Physical Education and Athletic Training

**Associations Between Object Projection Skills and Performance on the Army Combat Fitness Test**

in Afternoon Session, Category-UG: Health Sciences G

**Riya Makharia**, Chemical Engineering (major), Business Administration minor - Senior

**Think Like An Engineer**

in Afternoon Session, Category-UG: CIEL/GLD – Entrepreneurial A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Hannah Martin**, English (major) - Junior

Mentor(s)/co-Author(s):

Dr. Scott Gwara, Department of English Language and Literature

**"I think the king is but a man": Constructing Empire in the Chronique Anonyme Universelle**

in Afternoon Session, Category-UG: Arts and Humanities E

**Madison McCarty**, Biological Sciences (major), Experimental Psychology (major) - Senior

Mentor(s)/co-Author(s):

Dr. Jane Roberts, Department of Psychology

Dr. Abigail Hogan, Department of Psychology

Ms. Ramsey Coyle, Department of Psychology

**Differences in Symptom Presentation of Anxiety Disorders in Children with Autism Spectrum Disorder, Younger Siblings of Children with Autism Spectrum Disorder, and Typically Developing Children**

in Morning Session, Category-UG: Psychology and Health B

**Felicia McGill**, Mathematic (major), Spanish (major) - Junior

Mentor(s)/co-Author(s):

Dr. Jane Roberts, Department of Psychology

Dr. Abigail Hogan, Department of Psychology

Ms. Kayla Smith, Department of Psychology

**Relationship Between Social Motivation and Autism Symptom Severity in Autistic Children**

in Morning Session, Category-UG: Social and Health Sciences A

*\*For Graduation with Leadership Distinction in Research*

**Kellie McIntyre**, Public Health (major) - Senior

Mentor(s)/co-Author(s):

Dr. Jessica Klusek, Department of Communication Sciences and Disorders

**Respiratory Sinus Arrhythmia as a Predictor of Semantic Interference Performance and Ageing in Women with the FMR1 Premutation**

in Afternoon Session, Category-UG: Social and Health Sciences D

*\*For Graduation with Leadership Distinction in Research*

**Taylor Meadows**, Nursing (major) - Senior

**My Journey from Student Leader to Future Healthcare Leader**

in Morning Session, Category-UG: CIEL/GLD - Wellness and Health A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Julia Meilan**, Biological Sciences (major), Psychology minor - Senior

**Medical Service Volunteer**

in Morning Session, Category-UG: CIEL/GLD - Wellness and Health C

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Teresa Melton**, Associate in Science, Associate in Arts - Junior; UofSC Lancaster

**Campus Organizations Create Community Leaders**

in Afternoon Session, Category-UG: Experiential Learning and GLD DD

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Alekhya Mitta**, Biochemistry and Molecular Biology (major) - Senior

Mentor(s)/co-Author(s):

Dr. Abigail Hogan, Department of Psychology

**Predictors of Comorbid Anxiety in Children Diagnosed With Fragile X Syndrome**

in Afternoon Session, Category-UG: Psychology and Health E

**Morgan Monty**, Music (major) - Senior

Mentor(s)/co-Author(s):

Dr. Jennifer Parker-Harley, School of Music

**A Breath of Fresh Arts: Community Arts in London, England**

in Morning Session, Category-UG: Arts and Humanities B

**Christopher Morgan**, Biological Sciences (major), Neuroscience minor - Senior

Mentor(s)/co-Author(s):

Dr. Susan Wood, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

**Understanding Cardiovascular Dysfunction in Gulf War Illness**

in Morning Session, Category-UG: Biology and Biomedical Sciences E

**Mary Pat Morgan**, Public Health (major), Business Administration minor - Senior

Mentor(s)/co-Author(s):

Dr. Matthew Childs, Department of History

**Community Service with a Public Health Emphasis**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health F

*\*For Graduation with Leadership Distinction in Community Service*

**Benjamin Moses**, Physics (major), Mathematic (major) - Junior

Mentor(s)/co-Author(s):

Dr. Yordanka Ilieva, Department of Physics and Astronomy

**Detector Constraints for Gluon Imaging of Light Nuclei with J/  $\psi$  Photoproduction at the EIC**

in Morning Session, Category-UG: Science, Technology, Engineering, and Math A

*\*For Graduation with Leadership Distinction in Research*

**Sarah Mott**, Experimental Psychology (major), Neuroscience minor - Junior

Mentor(s)/co-Author(s):

Dr. Susan Wood, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

Ms. Brittany Pope, Department of Exercise Science

**Estradiol-Specific Neural Regulation of Social Stress Susceptibility in Female Rats**

in Morning Session, Category-UG: Biology and Biomedical Sciences B

**Cathryn Murphy**, Biochemistry and Molecular Biology (major), Spanish minor - Junior

Mentor(s)/co-Author(s):

Dr. Whitney Zahnd, School of Public Health

Dr. Jan Eberth, School of Public Health

**Analysis of Statewide Comprehensive Cancer Control Plans in Addressing the Disproportionate Rural Cancer Burden**

in Morning Session, Category-UG: Health Sciences C

**Minnie Ng**, Pharmaceutical Sciences (major) - Senior

**Pharmily**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health F

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Thien Nguyen**, Nursing - RN (major)

Mentor(s)/co-Author(s):

Dr. Cynthia Corbett, College of Nursing

Mrs. Elizabeth Combs, College of Nursing

Ms. Pamela Wright, College of Nursing

**Older Adults' Use and Perceptions of Smart Lighting**

in Morning Session, Category-UG: Health Sciences B

**Alexandra Nilsson**, Marketing (major), Management (major) - Senior

**Taking Care of the Me in Social Media**

in Afternoon Session, Category-UG: CIEL/GLD - Entrepreneurial A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Matthew Noneman**, Biological Sciences (major), Business Administration minor - Junior

Mentor(s)/co-Author(s):

Dr. Kandy Velazquez, Pathology, Microbiology, and Immunology; UofSC School of Medicine - Columbia

**Effects of Ojeok-san on IL-10 knockout and Mdr1a knockout induced colitis**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences L

**Meaghan O'Connor**, Biological Sciences (major), Neuroscience minor - Junior

Mentor(s)/co-Author(s):

Dr. Joseph McQuail, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

**Similar Working Memory and Stress Response in Male and Female Rats**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences J

**Adam Okinaga**, Biochemistry and Molecular Biology (major) - Senior

Mentor(s)/co-Author(s):

Dr. Jennifer Grier, Biomedical Sciences; UofSC School of Medicine - Greenville

**CRISPR-CAS9 Mediated Knockdown of Interferon Induced Protein 35 (IFI35) in a Human Lung Epithelial Cell Line for Investigation of the Respiratory Antiviral Response**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences K

**Sara Padula**, Biological Sciences (major), Psychology minor - Junior

**Mary Pelton**, Marine Science (major) - Junior

Mentor(s)/co-Author(s):

Dr. Nathan Senner, Department of Biological Sciences

**Estimation of population size and habitat-use of the Red Knot (*Calidris canutus rufa*) in Seabrook and Kiawah Island, South Carolina**

in Morning Session, Category-UG: Biology and Environmental Sciences A

*\*For Graduation with Leadership Distinction in Research*

**Niharika Pandala**, Computer Engineering (major) - Senior

Mentor(s)/co-Author(s):

Dr. Homayoun Valafar, Department of Computer Science and Engineering

**A Preliminary Investigation in the Molecular Basis of Host Shutoff Mechanism in SARS-CoV**

in Morning Session, Category-UG: Computing A

*\*For Graduation with Leadership Distinction in Research*

**Sarayu Parise**, Biological Sciences (major), Spanish minor - Junior

Mentor(s)/co-Author(s):

Dr. Jeff Twiss, Department of Biological Sciences

Ms. Courtney Buchanan, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

**Role of FXR1 and FMRP RNA binding proteins in axon growth**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences J

**Khushi Patel**, Nursing - RN (major) - Freshman

Mentor(s)/co-Author(s):

Dr. Cynthia Corbett, College of Nursing

Ms. Elizabeth Combs, College of Nursing

**Perceptions of COVID-19 and the Use of Health Information Technology among People who are Uninsured**

in Afternoon Session, Category-UG: Social and Health Sciences E

**Brynn Peck**, Marketing (major), Advertising and Public Relations minor - Senior

Mentor(s)/co-Author(s):

Mr. Timothy Lewis, Office of New Student Orientation

**Service Learning: Charity, Change, and Leadership Development**

in Afternoon Session, Category-UG: Experiential Learning and GLD FF

*\*For Graduation with Leadership Distinction in Community Service*

**Tina-Nhung Pham**, Public Health (major), Biology minor - Senior

**Uncle Sam versus Zeus: The Reality of Varying Health Care Perspectives**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health E

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Jessica Pia**, Exercise Science (major), Spanish minor - Senior

Mentor(s)/co-Author(s):

Dr. Toni Torres-McGehee, Department of Exercise Science

Ms. Allison Smith, Department of Exercise Science

**Energy Deficiency: Clinical Assessment Tool Comparisons for Collegiate and Recreational Athletes**

in Morning Session, Category-UG: Health Sciences A

**Mary Grace Pitts**, Operations and Supply Chain (major), Finance (major) - Senior

**My Time As President**

in Morning Session, Category-UG: Experiential Learning and GLD I

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Thomas Poteat**, Biomedical Engineering (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Ms. Alexandra Shay, Sustainability

**The Building of a Team**

in Morning Session, Category-UG: Experiential Learning and GLD J

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Allison Powell**, Accounting (major), Business Analytics Concentration - Senior

**Peer Leadership in the Greek Community during COVID-19**

in Afternoon Session, Category-UG: Experiential Learning and GLD DD

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Danielle Prisendorf**, Biological Sciences (major), Chemistry minor - Junior

Mentor(s)/co-Author(s):

Dr. Mohamad Azhar, Cell Biology and Anatomy; UofSC School of Medicine - Columbia

**Role of Cardiomyocyte-Specific Transforming Growth Factor Beta1 in Adult Heart Disease**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences J

**Shelby Rader**, Biological Sciences (major), Chemistry minor

Mentor(s)/co-Author(s):

Dr. Melanie Cozad, Department of Health Services Policy and Management

**Controlling What We Can – Identifying Barriers to Diabetes Care Associated with COVID-19 in a Low SES Diabetic Patient Population**

in Afternoon Session, Category-UG: Health Sciences H

**Ryleigh Rawson**, Public Health (major), Spanish minor - Senior

Mentor(s)/co-Author(s):

Mr. Rico Reed, National Resource Center for The First-Year Experience and Students in Transition

**Understanding Healthcare Inequities: My Lessons in Becoming an Optimal Ally**

in Afternoon Session, Category-UG: CIEL/GLD - Wellness and Health G

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Asher Roberts**, Exercise Science (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Dr. Kyle Silvey, Department of Physical Education and Athletic Training

Mr. Bryan Terlizzi, Department of Physical Education and Athletic Training

Mr. Cade Abrams, Department of Physical Education and Athletic Training

**Associations between object projection skills and performance on the Army Physical Fitness Test**

in Afternoon Session, Category-UG: Health Sciences I

**Jamie Roberts**, Biochemistry and Molecular Biology (major), Business Administration minor - Junior

Mentor(s)/co-Author(s):

Dr. Johannes Stratmann, Department of Biological Sciences

**Changes in MAP kinase activity and medium pH in response to plant Volatile Organic Compounds in tomato cells**

in Afternoon Session, Category-UG: Biology and Environmental Sciences G

**Evan Robinette**, Exercise Science (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Dr. John Bernhart, Department of Health Promotion, Education and Behavior

Dr. Sarah Burkart, Department of Health Promotion, Education and Behavior

**Examining the Effects of an After-School Physical Activity Program on Elementary School Students' Well-Being**

in Morning Session, Category-UG: Health Sciences D

**Isabelle Robinson**, Biological Sciences (major), Interdisciplinary Studies (major) – Senior

**Malorie Webb**, Public Health (major), Chemistry minor – Senior

Mentor(s)/co-Author(s):

Dr. Elizabeth Will, Department of Psychology

Dr. Jane Roberts, Department of Psychology

**Syndrome-Specific Attention Profiles in Infants with a Neurodevelopmental Disorder**

in Morning Session, Category- UG: Social and Health Sciences A

**Samantha Roche**, Sport and Entertainment Management (major), Spanish minor - Senior

**Failure Is The Best Teacher**

in Morning Session, Category-UG: Experiential Learning and GLD J

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Jessica Rodgers**, Marine Science (major) - Senior

Mentor(s)/co-Author(s):

Dr. Susan Lang, School of the Earth, Ocean and Environment

Mr. Bryan Benitez-Nelson, School of the Earth, Ocean and Environment

**Comparing Carbon Sources of Microbes in the Chimneys of the Lost City Hydrothermal Vent Field: Does Location Matter?**

in Morning Session, Category-UG: Biology and Environmental Sciences B

**Danny Rodrigues**, International Business (major), Management (major) - Senior

Mentor(s)/co-Author(s):

Ms. Tiffany Conde, Department of Residence Life

**Harmony Through Clarity**

in Morning Session, Category-UG: CIEL/GLD - Cultural Diversity A

*\*For Graduation with Leadership Distinction in Global Learning*

**Aubri Romes**, Marketing (major), Hotel, Restaurant, and Tourism Management minor - Senior

Mentor(s)/co-Author(s):

Dr. Casey Giraudy, Department of Health Promotion, Education and Behavior

**Leading Through Mentorship During a Pandemic**

in Afternoon Session, Category-UG: Experiential Learning and GLD DD

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Alan Rowland**, Physics (major) - Senior

Mentor(s)/co-Author(s):

Dr. Yanwen Wu, Department of Physics and Astronomy

**Analysis of Piezoelectric PVDF-Au Films**

in Afternoon Session, Category-UG: Chemistry, Physics, and Math E

*\*For Graduation with Leadership Distinction in Research*

**Emily Saathoff**, Public Health (major), Psychology minor - Senior

Mentor(s)/co-Author(s):

Dr. Jeffrey Schatz, Department of Psychology

Ms. Julia Johnston, Department of Psychology

**Feasibility of an electronic pain management intervention for parents of preschool aged children with sickle cell disease**

in Morning Session, Category-UG: Psychology and Health A

*\*For Graduation with Leadership Distinction in Research*

**Brittany Saliccioli**, Biology (major) - Junior; UofSC Upstate

Mentor(s)/co-Author(s):

Dr. Scott Tanner, Division of Natural Sciences and Engineering; UofSC Upstate

**Modeling inflammatory bowel disease using p-glycoprotein deficient *Caenorhabditis elegans***

in Afternoon Session, Category-UG: Biology and Biomedical Sciences K

**Kara Samuels**, Associate in Science - Sophomore; UofSC Sumter

**The Impact of Student Government**

in Morning Session, Category-UG: Experiential Learning and GLD F

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Emma Sandago**, Biological Sciences (major), Neuroscience minor - Sophomore

Mentor(s)/co-Author(s):

Dr. Ana Pocivavsek, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

**Sex Dependent Cognitive Impairments in Kynurenine 3-monooxygenase Deficient Mice: Relevance to Schizophrenia**

in Afternoon Session, Category-UG: Biology and Biomedical Sciences L

**Faith Schroers**, Exercise Science (major) - Senior

**Building Competency in Research Skills through Sports Science Research Testing**

in Morning Session, Category-UG: CIEL/GLD - Wellness and Health B

*\*For Graduation with Leadership Distinction in Research*

**Deja Scott**, Computer Science (major) - Senior

Mentor(s)/co-Author(s):

Dr. Song Wang, Department of Computer Science and Engineering

**Contour-base Shape Matching and Segmentation of Cultural Heritage Objects**

in Morning Session, Category-UG: Computing A

**Jacob Semba**, Operations and Supply Chain (major) - Senior

**Sustainable Global Sourcing Strategies**

in Morning Session, Category-UG: Experiential Learning and GLD B

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Sarah Sharpe**, Visual Communications (major), Hotel, Restaurant, and Tourism Management minor - Senior

Mentor(s)/co-Author(s):

Dr. Denise Wellman, Division of Student Affairs and Academic Support

**Finding a Mentor**

in Morning Session, Category-UG: Experiential Learning and GLD E

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Callie Shirley**, Biological Sciences (major), Interdisciplinary Studies (major) - Junior

Mentor(s)/co-Author(s):

Dr. Shan Qiao, Department of Health Promotion, Education and Behavior

**Fostering organizational resilience in HIV care facilities in South Carolina: Lessons learned from the COVID-19 pandemic**

in Afternoon Session, Category-UG: Social and Health Sciences E

*\*For Graduation with Leadership Distinction in Research*

**Kate Smith**, Media Arts (major), Advertising (major) - Senior

**Techniques for Conflict Resolution from an Orientation Leader**

in Afternoon Session, Category-UG: Experiential Learning and GLD BB

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Natalie Smith**, Statistics (major) - Senior

**The Impact of Being a University Ambassador: What Campus Tours Taught Me About Being a Statistics Major**

in Morning Session, Category-UG: Experiential Learning and GLD A

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*



**Jaden Sorbie**, Sport and Entertainment Management (major) - Senior  
**Service Before Self**  
in Morning Session, Category-UG: Experiential Learning and GLD K  
*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**William Stallings**, Political Science (major), English (major) - Senior  
Mentor(s)/co-Author(s):  
Dr. Stan Dubinsky, Department of English Language and Literature  
Dr. Michael Gavin, Department of English Language and Literature  
**Sub-National Identity and the Development of Nationalism in Basque Country and Catalonia**  
in Morning Session, Category-UG: Arts and Humanities A

**Kendall Stalls**, Biological Sciences (major), Health Promotion, Education, and Behavior minor - Senior  
Mentor(s)/co-Author(s):  
Dr. Marj Pena, Department of Biological Sciences  
Dr. Kristen Hogan, Department of Biological Sciences  
Ms. Niti Jani, Department of Biological Sciences  
**The Effects of Early Life Exposure to Antibiotics on Tumor Burden and Gut Microbiome Composition in a Mouse Model of Colorectal Cancer**  
in Morning Session, Category-UG: Biology and Biomedical Sciences C  
*\*For Graduation with Leadership Distinction in Research*

**Sierra Stewart**, Computer Information Systems (major) - Senior  
**By Culture and By Merit: Cultivating Leadership Through Sisterhood**  
in Morning Session, Category-UG: Experiential Learning and GLD E  
*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Sophia Storlazzi**, Public Health (major), Biology minor - Senior  
Mentor(s)/co-Author(s):  
Ms. Emily Jones, Facilities Department  
Mr. Mitch Nettesheim, Campus Recreation  
**UofSC Bike Refurbishment and Redistribution Feasibility Study**  
in Afternoon Session, Category-UG: Social Sciences F

**Maria Striebich**, Biological Sciences (major), Psychology minor – Junior  
Mentor(s)/co-Author(s):  
Dr. Jessica Klusek, Department of Communication Sciences and Disorders  
Dr. Katherine Bangert, Department of Communication Sciences and Disorders  
**Association between language production ability and FXTAS symptomology in mothers with the FMR1 premutation**  
in Morning Session, Category-UG: Social and Health Sciences A

**Isabel Stringfellow**, Public Health (major), Biology minor - Junior  
Mentor(s)/co-Author(s):  
Dr. Cynthia Corbett, College of Nursing  
**Patient Perceptions of Post-Hospital Discharge Medication Adherence: A Meta-Synthesis**  
in Afternoon Session, Category-UG: Health Sciences I  
*\*For Graduation with Leadership Distinction in Research*

**Riley Sutherland**, Baccalaureus Artium et Scientiae (major) - Sophomore  
Mentor(s)/co-Author(s):  
Dr. Woody Holton, Department of History  
**Amazons and Angels: Army Women in the American War for Independence**  
in Morning Session, Category-UG: Arts and Humanities A

**Navid Tavakoli**, Biological Sciences (major), Statistics minor - Senior  
Mentor(s)/co-Author(s):  
Dr. Parastoo Hashemi, Department of Chemistry and Biochemistry  
**Environmental and Pharmaceutical Effects on Serotonergic Transmission**  
in Afternoon Session, Category-UG: Chemistry, Physics, and Math E

**Alexandria Taylor**, Public Health (major), Psychology minor - Senior  
Mentor(s)/co-Author(s):  
Ms. Gina Spence, Center for Integrative and Experiential Learning  
**Bridging the Gap: Leadership in Non-Traditional Forms**  
in Afternoon Session, Category-UG: Experiential Learning and GLD HH  
*\*For Graduation with Leadership Distinction in Community Service*

**Jessica Teresi**, Biological Sciences (major) - Senior  
**Promoting Student Mental Wellness as a Changing Carolina Peer Leader**  
in Morning Session, Category-UG: CIEL/GLD - Wellness and Health B  
*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Grace Towery**, Biological Sciences (major), Health Promotion, Education, and Behavior minor - Junior  
Mentor(s)/co-Author(s):  
Dr. Emily Mann, Department of Health Promotion, Education and Behavior  
**Social and Cultural Factors Shaping Contraceptive Attitudes and Use among Latinx Immigrants in South Carolina: Results from a Community-Based Study**  
in Morning Session, Category-UG: Health Sciences C

**Brooke Turk**, Psychology (major), Neuroscience minor - Senior; UofSC Aiken  
Mentor(s)/co-Author(s):  
Dr. Laura Jelsone-Swain, Department of Psychology; UofSC Aiken  
**The Effect of Acetaminophen on Brain Activity During a Pain Observation Task: An EEG Study**  
in Morning Session, Category-UG: Psychology and Health B

**Samantha Turner**, Environmental Studies (major) - Senior  
**GLD Professional and Civic Engagement Internship Presentation**  
in Morning Session, Category-UG: Experiential Learning and GLD H  
*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Mansi Verma**, Experimental Psychology (major), Philosophy minor - Junior  
Mentor(s)/co-Author(s):  
Dr. Douglas Wedell, Department of Psychology  
Mr. William Hayes, Department of Psychology  
**Decoy Effects in Choice Under Cognitive Load**  
in Afternoon Session, Category-UG: Social and Health Sciences D  
*\*For Graduation with Leadership Distinction in Research*

**Raeann Vossberg**, Public Health (major) - Senior  
Mentor(s)/co-Author(s):  
Dr. Elizabeth Crouch, Department of Health Services Policy and Management  
**Defining Septicemia Incidence and Mortality in South Carolina Through Access to Health Care, Behavioral Health, and Low Socio-economic Status**  
in Morning Session, Category-UG: Health Sciences B  
*\*For Graduation with Leadership Distinction in Research*

**Rose Wallace**, Early Childhood Education (major) - Senior  
Mentor(s)/co-Author(s):  
Ms. Tiffany Conde, Department of Residence Life  
**The Need for Reform in Early Childhood Education**  
in Morning Session, Category-UG: Experiential Learning and GLD D  
*\*For Graduation with Leadership Distinction in Diversity and Social Advocacy*

**Matthew Ward**, English (major), Art Studio minor - Senior

**Uniting a Community**

in Morning Session, Category-UG: Experiential Learning and GLD F

*\*For Graduation with Leadership Distinction in Diversity and Social Advocacy*

**Kaylee Weatherspoon**, Mathematic (major), French (major) - Sophomore

Mentor(s)/co-Author(s):

Dr. Joshua Cooper, Department of Mathematics

**Chromatic Number of Disks in the Plane**

in Morning Session, Category-UG: Science, Technology, Engineering, and Math A

**Chaselyn Williams**, English (major), Hotel, Restaurant, and Tourism Management minor - Junior

**Leadership Awareness**

in Afternoon Session, Category-UG: Experiential Learning and GLD EE

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Hannah Williams**, Biological Sciences (major), Chemistry minor - Senior

**Fighting Food Insecurity with Gamecock Pantry**

in Morning Session, Category-UG: Experiential Learning and GLD K

*\*For Graduation with Leadership Distinction in Community Service*

**Michal Claire Williams**, Chemistry (major), Mathematics minor - Senior

Mentor(s)/co-Author(s):

Dr. Philip Busbee, Pathology, Microbiology, and Immunology; UofSC School of Medicine - Columbia

**AhR expression on both Rorc-expressing immune cells is essential for I3C-mediated protection against colitis**

in Morning Session, Category-UG: Biology and Biomedical Sciences D

**Brooke Wilson**, Exercise Science (major), Health Promotion, Education, and Behavior minor - Senior

Mentor(s)/co-Author(s):

Dr. Abbi Lane-Cordova, Department of Exercise Science

**Gestational Weight Gain Not Associated with Arterial Stiffness in Post-Partum Women**

in Afternoon Session, Category-UG: Health Sciences G

**Bailey Wojciak**, Public Health (major), Spanish minor - Senior

Mentor(s)/co-Author(s):

Dr. Nicole Zarrett, Department of Psychology

**Examining Non-targeted Effects of the Connect Through PLAY Intervention on Adolescent Internalizing Symptoms**

in Afternoon Session, Category-UG: Psychology and Health F

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Lauryl Workman**, History (major), Global Studies (major) - Senior

**De-centering Whiteness and Connecting Minoritized Communities**

in Afternoon Session, Category-UG: Experiential Learning and GLD CC

*\*For Graduation with Leadership Distinction in Global Learning*

**Courtney Wright**, Biological Sciences (major), Neuroscience minor

Mentor(s)/co-Author(s):

Dr. Ana Pocivavsek, Pharmacology, Physiology, and Neuroscience; UofSC School of Medicine - Columbia

**Prenatal Kynurenine Elevation in Rats Elicits Sex-Dependent Changes in Hippocampal Kynurenic Acid, Glutamate, and GABA during Adulthood: Implications for Psychotic Disorders**

in Morning Session, Category-UG: Biology and Biomedical Sciences D

**Jake Young**, Chemical Engineering (major) - Senior

**My Engineering Experience**

in Afternoon Session, Category-UG: Experiential Learning and GLD EE

*\*For Graduation with Leadership Distinction in Professional and Civic Engagement*

**Sydney Zarsadias**, Public Health (major) - Senior

Mentor(s)/co-Author(s):

Dr. Xueying Yang, Department of Health Promotion, Education and Behavior

**HIV in MSM: Facilitators and barriers for ART adherence, seeking care, and retaining care**

in Morning Session, Category-UG: Health Sciences B

*\*For Graduation with Leadership Distinction in Research*