

~ Morning Presentations ~

Morning Poster Presentation: UG: Arts, Humanities, and Social Sciences A

First Place

Optimization of Direct Food Pick-up from Dollar General Stores by Harvest Hope Food Bank Agencies

Bryn Wirthlin, Operations and Supply Chain (major), International Business (major) - Senior

Robert McConnell, Management (major), Operations and Supply Chain (major) - Senior

Dr. Sanjay Ahire, Department of Management Science

Second Place

The Sleeping Woman Speaks: Memory and Voice of the Women of the Guazapa Volcano, El Salvador

Cynthia Curtis, Anthropology, Native American Studies (major); English (minor) - Senior; USC Lancaster

Prof. Chris Judge, Anthropology, USC Lancaster

Honorable Mention

The Impact of the Fall of the Soviet Union on Russian Speakers in Armenia

Savannah Faust, Operations and Supply Chain (major) - Sophomore

Dr. Michael Gavin, Department of English Language and Literature

Morning Poster Presentation: UG: Arts, Humanities, and Social Sciences B

First Place

Savages, Victims, and Saviors in Film: Human Rights Brought to Life on Screen

Jacquelyn Burnett, Geography (major), Global Studies (major) - Senior

Dr. Meredith DeBoom, Department of Geography

Second Place

The Impact of Gavin Grimm v. Gloucester County School Board on Transgender-Case Law in the United States

Emmeline Basco, Political Science (major), Philosophy (minor) - Senior

Dr. Jessica Schoenherr, Department of Political Science

Dr. Chase Meyer, Department of Political Science

Honorable Mention

Optimization of Direct Food Pick-up from Dollar General Stores by Harvest Hope Food Bank Agencies

Gracie-Jane Hillman, Operations and Supply Chain (major), Psychology (major) - Senior

Evan Angelucci, Operations and Supply Chain (major), International Business (major) - Senior

Andrew Krznarich, Operations and Supply Chain (major), International Business (major) - Senior

Dr. Sanjay Ahire, Department of Management Science

Morning Poster Presentation: UG: Arts, Humanities, and Social Sciences C

First Place

The Strength of Identity: First-hand Accounts from Daugavpils, Latvia

Andrew Marks, International Business (major), Russian (major) - Senior

Dr. Andrew Spicer, Sonoco Department of International Business

Second Place

The Aggression Research Project: Possible Implications for Policy Making

Hailey Alderson, Psychology (major), Criminal and Justice (minor) – Senior

Dr. Marketa Kubickova, School of Hospitality and Tourism Management

Morning Poster Presentation: UG: Biology and Biomedical Sciences A

First Place

Local translation and focal adhesions are dysregulated in Down syndrome

Ashlyn Gotberg, Biological Sciences (major), Chemistry (minor) - Senior

Dr. Kristy Welshhans, Department of Biological Sciences

Ms. Nikita Kirkise, Department of Biological Sciences

Second Place

The Interplay Between Ferroptosis-Related Gene Expression and Smoking in Lung Adenocarcinoma

Amber Pospistle, BaccaLaureus Artium et Scientiae (major) - Sophomore

Dr. Guoshuai Cai, Department of Environmental Health Sciences

Honorable Mention-Tie

Role of the cell surface adhesion molecules Neuritins in visual system wiring

Eesha Gurav, Interdisciplinary Studies (major) - Junior

Dr. Fabienne Poulain, Department of Biological Sciences

Honorable Mention-Tie

Exosome delivered microRNA therapeutics for Glioblastoma.

Sara Zepp, Biological Sciences (major), Dance (minor) - Senior

Dr. Deepak Bhare, Pathology, Microbiology, and Immunology

Morning Poster Presentation: UG: Biology and Biomedical Sciences B

First Place

Loss of Paxillin Affects the Morphology and Cytoskeletal Composition of Developing Cortical Neurons

Kasey Gillespie, Public Health (major), Biology (minor) - Senior

Dr. Kristy Welshhans, Department of Biological Sciences

Ms. Katelyn Rygel, Department of Biological Sciences

Second Place

A Yeast Two Hybrid Screen Identifies Potential Targets of the Ubiquitin Ligase WWP1 in the Heart

Meaghan Arnold, Biological Sciences (major), Dance (minor) - Junior

Dr. Lydia Matesic, Department of Biological Sciences

Ms. Ymani Wright, Department of Biological Sciences

Dr. Doug Pittman, Department of Drug Discovery & Biomedical Sciences

Honorable Mention-Tie

Developmental Windows When Exposure to Antibiotics Increase the Risk for Early Onset Colorectal Cancer

Mia Joseph, Biological Sciences (major), Interdisciplinary Studies (major) - Junior

Dr. Marj Pena, College of Arts and Sciences

Honorable Mention-Tie

Characterizing Reproductive Isolation Between Two Laboratory Island Populations of *Drosophila melanogaster*

Skylar McNulty, Biological Sciences (major), Business Administration (minor) - Senior

Mr. Graham McLaughlin, Department of Biological Sciences

Dr. Brian Hollis, Department of Biological Sciences

Morning Poster Presentation: UG: Biology and Biomedical Sciences C

First Place

Identifying New A β Oligomerization Method with use for Inflammatory Cells

Lauren Speck, Biomedical Engineering (major), Business Administration (minor) - Senior

Dr. Melissa Moss, Department of Biomedical Engineering

Mrs. Mihyun Waugh, Department of Biomedical Engineering

Second Place

Synthesis and Antibacterial Effects of Facial Amphiphilic Multicyclic Compounds

Michael DeFiori, Biochemistry and Molecular Biology (major) - Senior

Prof. Chuanbing Tang, Department of Chemistry and Biochemistry

Dr. Swagatam Barman, Department of Chemistry and Biochemistry

Honorable Mention

Does the synthetic food dye Blue-1 cause DNA damage?

Quinn Harris, Neuroscience (major) - Sophomore

Dr. Lorne Hofseth, Department of Drug Discovery & Biomedical Sciences

Dr. Alexander Chumanevich, College of Pharmacy

Morning Poster Presentation: UG: Biology and Biomedical Sciences D

First Place

The Role of SARS-CoV Non-structural protein 1 in Regulating RNA stability

Kevin Xiong, Biology (major), Chemistry (minor) - Senior; USC Upstate

Dr. Anita Nag, Division of Natural Sciences and Engineering, USC Upstate

Mrs. Kaitlin Bridges, Division of Natural Sciences and Engineering, USC Upstate

Second Place-Tie

Examination of Genetic Associations with Autism Symptoms, Adaptive Living Skills, and Developmental Ability in Fragile X Syndrome

Sarah Aloj, Biological Sciences (major), Neuroscience (minor) - Junior

Ms. Erin Hunt, The Graduate School

Dr. Jane Roberts, Department of Psychology

Second Place-Tie

Mutational effects of the human norepinephrine transporter on basal and Tat-induced inhibition of dopamine transport

Darby Porter, Chemistry (major), Neuroscience (minor) - Senior

Dr. Jun Zhu, Department of Drug Discovery & Biomedical Sciences

Morning Poster Presentation: UG: Biology and Environmental Sciences A

First Place

Towards the Development of a Dehaloperoxidase-Based Biosensor for Bisphenol A

Emily Welles, Biology (major) - Senior; USC Beaufort

Prof. Edward D'Antonio, Department of Natural Sciences, USC Beaufort

Second Place

Impact of Environmental Factors on Floral Scent Emission of *Gelsemium sempervirens*

Charis Grabbe, Bachelor of Liberal Studies in Biology and Chemistry - Sophomore; USC Lancaster

Dr. Bettie Obi Johnson, Science, USC Lancaster

Dr. Annette Golonka, Science, USC Lancaster

Morning Poster Presentation: UG: Biology and Environmental Sciences B

First Place

Scientific Analysis of Ocean Alkalinity Enhancement as a CDR Method

Isabel Hubbard, Environmental Science (major) - Senior

Claire Hanson, Environmental Science (major) - Senior

Dr. Lori Ziolkowski, School of Earth, Ocean, and Environment

Second Place

An Innovative Approach to Mitigating Climate Change: Prospects and Challenges of Direct Air Capture Technology

Kamari Boyd, Environmental Science (major) - Senior

Lucas Clifford, Environmental Science (major) - Senior

Dr. Lori Ziolkowski, School of Earth, Ocean, and Environment

Honorable Mention

ENVR 480: Pollinator Habitat Enhancement Through Communities

Marc Dao, Environmental Science (major), English (minor) - Senior

Eli Cohen, Environmental Studies (major), Economics (major) - Senior

Jamison Dove, Environmental Studies (major) - Senior

Dr. Carol Boggs, Department of Biological Sciences

Morning Poster Presentation: UG: Biology and Environmental Sciences C

First Place

Plant responses to volatile fatty alcohols with different side chains – a Structure-Function Analysis

Owen Cole, Biological Sciences (major), Business Administration (minor) - Junior

Dr. Johannes Stratmann, Department of Biological Sciences

Second Place

Feeding habits of the Sandbar shark, *Carcharhinus plumbeus*, off of the Southeast coast of the U.S from 2006-2022

Emma Jackson, Marine Science (major) - Senior

Dr. John Carlson, National Marine Fisheries Service (NOAA), Research Fish Biologist

Honorable Mention-Tie

Exploring the Political, Economic, and Social Dimensions of Direct Air Capture Technology

Logan Brodfuehrer, Environmental Science (major), Theatre (minor) - Senior

Jessica Pikula, Environmental Science (major), Statistics (major) - Senior

Dr. Lori Ziolkowski, School of Earth, Ocean, and Environment

Honorable Mention-Tie

Earthquakes in SC: Analysis of Network and Nodal Seismic Data

Ashley Ford, Geological Sciences (major) - Senior

Dr. Daniel Frost, School of Earth, Ocean, and Environment

Morning Poster Presentation: UG: Biology and Environmental Sciences D

First Place

An Investigation of National Estuarine Research Reserves for Grades 6-12

Kaitlyn Dirr, Biological Sciences (major), Marine Science (minor) - Senior

Dr. Erin Meyer-Gutbrod, School of Earth, Ocean, and Environment

Second Place

Investigating environmental controls on the temporal distribution of *Microseira wollei* in Lake Wateree, SC

Ella Levicki, Marine Science (major) - Junior

Dr. Annie Bourbonnais, School of Earth, Ocean, and Environment

Honorable Mention

Influence of Resource Availability on Eye Size and Reproduction in *Daphnia*

David Abdulrahman, Biological Sciences (major), Music Industry Studies (minor) - Senior

Dr. Jeffrey Dudycha, Department of Biological Sciences

Morning Poster Presentation: UG: Biology and Environmental Sciences E

First Place

Phenotypic Responses of *Hemiselmis pacifica* to Changes in Spectral Environment

Ian Jin, Environmental Science (major), Geography (minor) - Senior

Dr. Tammi Richardson, Department of Biological Sciences

Second Place

Questions, dead ends, and discovery: an ecological exploration of the *Panulirus argus* – *Carcinonemertes conanobrieni* symbiosis.

Heather Bruck, Biological Sciences (major) - Senior

Dr. Donald Behringer, University of Florida, Fisheries & Aquatic Sciences

Dr. Antonio Baeza, Clemson University, Biological Sciences

Dr. Jeffrey Dudycha, Department of Biological Sciences

Honorable Mention

RoboCat: A Self-positioning platform for stationary measurements in the Aquatic environment

Lilian Lamb, Computer Engineering (major) - Senior

Dr. George Voulgaris, School of Earth, Ocean, and Environment

Dr. Ioannis Rekleitis, Department of Computer Science and Engineering

Morning Poster Presentation: UG: Chemistry, Physics, and Math A

First Place

Discovery of promiscuous N-methyltransferase leads to production of new dimethylated lanthipeptides with improved antibacterial activity

Conor Pulliam, Biochemistry and Molecular Biology (major), Neuroscience (minor) - Junior

Dr. Jie Li, Department of Chemistry and Biochemistry

Dr. Dan Xue, Department of Chemistry and Biochemistry

Mr. Ethan Older, Department of Chemistry and Biochemistry

Second Place

Quantitative measurement of polymer-nanocrystal coordination towards development of highly stable aqueous quantum dot fluorophores

Emily Cook, Chemistry (major) - Senior

Dr. Andrew Greytak, Department of Chemistry and Biochemistry

Mr. Nuwanthaka Jayaweera, Department of Chemistry and Biochemistry

Morning Poster Presentation: UG: Chemistry, Physics, and Math B

First Place

Chiral Isothiourea Catalysts for Enantioselectivity and Intermolecular Interactions

Amanda McGowan, Biochemistry and Molecular Biology (major) - Senior

Dr. Sheryl Wiskur, Department of Chemistry and Biochemistry

Second Place

Characterizing the In Vivo role of monothiol glutaredoxin GrxD in E. coli

Anna Dickfoss, Biochemistry and Molecular Biology (major) - Senior

Alexander Dibattista, Biochemistry and Molecular Biology (major) - Senior

Dr. Wayne Outten, Department of Chemistry and Biochemistry

Ms. Claire Fisher, Department of Chemistry and Biochemistry

Morning Display Presentation: UG: Engineering and Computing AA

First Place

Automated Coffee Machine

Ryan VanWyk, Chemical Engineering (major) - Senior

Alexandra Stuedli, Biomedical Engineering (major), Business Administration (minor) - Senior

Rori Pumphrey, Mechanical Engineering (major), Mathematics (minor) - Freshman

Sai Durga Rithvik Oruganti, Computer Engineering (major) - Senior

Venkata Naga Anirudh Oruganti, Computer Engineering (major), Statistics (major) - Senior

Alex Wojcik, Mathematic (major), Electrical Engineering (minor) - Senior

Ms. Sowmya Raghu, Department of Mechanical Engineering

Second Place

Self-Balancing Robot

Sai Durga Rithvik Oruganti, Computer Engineering (major) - Senior

Venkata Naga Anirudh Oruganti, Computer Engineering (major), Statistics (major) - Senior

Alexandra Stuedli, Biomedical Engineering (major), Business Administration (minor) - Senior

Ryan VanWyk, Chemical Engineering (major) - Senior

Rori Pumphrey, Mechanical Engineering (major), Mathematics (minor) - Freshman

Alex Wojcik, Mathematic (major), Electrical Engineering (major) - Senior

Ms. Sowmya Raghu, Department of Mechanical Engineering

Morning Poster Presentation: UG: Engineering and Computing A

First Place-Tie

Identifying The Parameters That Affect The Quality Of 3D Printed Objects Of PLA Materials

Edith Gonzalez-Mora, Mechanical Engineering (major) - Senior

Dr. Jamil Khan, Department of Mechanical Engineering

First Place-Tie

Facial Expression Recognition at the Edge: CPU vs GPU vs VPU vs TPU

Lareb Khan, Computer Engineering (major), Mathematics (minor) - Senior

Dr. Ramtin Zand, Department of Computer Science and Engineering

Mr. MohammadReza Mohammadi, Department of Computer Science and Engineering

Second Place

Pavement Distresses in South Carolina

Kaitlyn Steigner, Civil Engineering (major) - Senior

Dr. Sarah Gassman, Department of Civil and Environmental Engineering

Morning Poster Presentation: UG: Engineering and Computing B

First Place

Finite element modeling of melt pool and stress evolution for tungsten during laser powder bed fusion

Jan Weaver, Mechanical Engineering (major) - Senior

Dr. Lang Yuan, Department of Mechanical Engineering

Second Place

Apoptotic-Inspired Particles Target and Modulate Macrophage Inflammation

Caroline Rucker, Biomedical Engineering (major), Spanish (minor) - Sophomore
Dr. Michael Gower, Department of Chemical Engineering
Mr. Kidochukwu Atube, Department of Chemical Engineering

Morning Poster Presentation: UG: Health Sciences A

First Place-Tie

Hearing Loss and Communication: Speech, Social Effects, and Accessibility

Samantha Feeney, Public Health (major), French (minor) - Senior
Harshitha Visikamalla, Baccalaureus Artium et Scientiae (major) - Sophomore
Dr. Lisa Fitton, Department of Communication Sciences and Disorders

First Place-Tie

Association between the HDL-sized and circulating plasma proteomes

Riley Reasons, Baccalaureus Artium et Scientiae (major) - Junior
Dr. Mark Sarzynski, Department of Exercise Science

Second Place

Content Analysis of Food and Beverage Television Advertisements in Urban Accra, Ghana.

Marian Winters, Public Health (major), Interdisciplinary Studies (major) - Sophomore
Ms. Morgan Boncyk, Department of Health Promotion, Education and Behavior
Dr. Christine Blake, Department of Health Promotion, Education and Behavior
Dr. Krystal Rampalli, Department of Health Promotion, Education and Behavior

Honorable Mention

"Alexa Play" ...: A Descriptive Study of the Music Genres Requested by Older Adults

Jonathan Foster Richey, Music (major), Nursing - Generic (major) - Senior
Dr. Cynthia F. Corbett, College of Nursing

Morning Poster Presentation: UG: Health Sciences B

First Place

Gender Differences in Functional Motor Competence and Self-Perception in Army Reserve Officer Training Corps Cadets

Allison Tracy, Exercise Science (major) - Senior
Jennifer Robinson, Exercise Science (major), Naval Science (minor) - Senior
Dr. David Stodden, Department of Physical Education
Ms. Giovanna Leone, Department of Physical Education
Dr. Cade Abrams, Department of Physical Education

Second Place

Healthcare Transitions: Exploring Young Adults' Perceptions of the Transition from Pediatric to Adult Care

Bailey Goldschmidt, Nursing - Generic (major) - Junior
Dr. Robin Dawson, College of Nursing
Dr. Coretta Jenerette, College of Nursing

Morning Poster Presentation: UG: Health Sciences C

First Place

Exploring Stress Levels among USC Students

Khushi Patel, Public Health (major) - Junior
Shelby Lester, Nursing - Generic (major) - Senior
Natalie Trimble, Nursing - Generic (major) - Junior
Charlotte Burts, Nursing - Generic (major) - Sophomore
Addison Simpson, Nursing - Generic (major) - Sophomore
Sydney Reichardt, Nursing - Generic (major) - Junior
Dr. Cynthia Corbett, College of Nursing
Dr. Pamela Wright, College of Nursing
Dr. Phyllis Raynor, College of Nursing

Second Place

Criminalization of Abortion in the United States: A Case Study of South Carolina

Muskaan Makkar, Public Health (major), Economics (minor) - Sophomore

Elliott Catoe-Griffiis, Public Health (major), Interdisciplinary Studies (major) - Freshman

Dr. Deborah Billings, Department of Health Promotion, Education and Behavior

Dr. Natalia Deeb-Sossa, University of California at Davis

Morning Poster Presentation: UG: Health Sciences D

First Place

Telehealth Administration of the Pragmatic Rating Scale

Kathryn Klein, Biological Sciences (major), Psychology (major) - Senior

Dr. Jessica Klusek, Department of Communication Sciences and Disorders

Second Place

Disparities regarding patients' distance to pharmacy affecting adherence to oral-targeted cancer therapies

Kaylee Williams, Baccalaureau Artium et Scientiae (major) - Junior

Dr. Karen Wickersham, College of Nursing

Dr. Amy Ballou, College of Nursing

Honorable Mention

Hypermobile Ehlers-Danlos Syndrome: A Holistic Treatment Workbook

Mackenzie Farmer, Public Health (major), Interdisciplinary Studies (major) - Junior

Dr. Teresa Moore, Department of Exercise Science

Dr. Matthew Ulcak, Carolina Physical Therapy and Sports Medicine, Clinical Director

Morning Poster Presentation: UG: Health Sciences E

First Place

The role of the skeletal muscle androgen receptor to regulate polycystic ovarian syndrome-linked insulin resistance.

Aarushi Bhasin, Biological Sciences (major), Psychology (minor) - Senior

Dr. Reilly Enos, Pathology, Microbiology, and Immunology

Second Place

Associations between Cultural Factors and Health Outcomes Among African American Women: Preliminary Results from the TEAM-PA Trial

Eliza Davis, Nursing - Generic (major) - Sophomore

Anika Nair, Public Health (major), Interdisciplinary Studies (major) - Junior

Dr. Allison Sweeney, College of Nursing

Mr. Timothy Simmons, College of Nursing

Morning Poster Presentation: UG: Psychology and Neuroscience A

First Place

Perceived Broken Promises? Psychological Contract Breach and Student Retention

Kristine Deloa, Psychology (major), Business Administration (minor) - Senior; USC Upstate

Dr. Susan Ruppel, Department of Psychology, USC Upstate

Dr. Justin Travis, Department of Psychology, USC Upstate

Second Place-Tie

Role of Nucleus Accumbens Dopamine Receptor Signaling in the Suppression of Punished Reward Seeking

Grace Joyner, Biological Sciences (major), Neuroscience (minor) - Senior

Dr. Peter Vento, Department of Psychology

Second Place-Tie

Promoting Young Autistic Children's Social Engagement in an NDBI-Informed Creative Dance Program

Kynslea Philcox, Psychology (major), Dance (major) - Senior

Dr. Sarah Edmunds, Department of Psychology

Ms. Alayna Borowy, Department of Psychology

Ms. Laney Hankins, Department of Psychology

Morning Poster Presentation: UG: Psychology and Neuroscience B

First Place

Developing Improved Methods for the Detection of Cysteine Succination and Cysteine Dicarboxypropylation

Emery Tran, Biological Sciences (major) - Senior

Dr. Norma Frizzell, Pharmacology, Physiology, and Neuroscience

Second Place

Opposing roles of enkephalin and dynorphin in the amygdala on resilience to social stress in females

Alexandria Nowicki, Biochemistry and Molecular Biology (major), Women's and Gender Studies (minor) - Senior

Dr. Susan Wood, Pharmacology, Physiology, and Neuroscience

Dr. Cora Smiley, Pharmacology, Physiology, and Neuroscience

Morning Poster Presentation: UG: Psychology and Neuroscience C

First Place

Dyslexia Screener for English Language Learners

Roberto Ornelas Saldivar, Psychology (major), Biological Sciences (major) - Junior

Dr. Scott Decker, Department of Psychology

Second Place

Investigating Potential Influences on Part C Enrollment by State, Year, and Racial Group

Emily Thomas, Psychology (major), Business Administration (minor) - Freshman

Dr. Sarah Edmunds, Department of Psychology

Ms. Katie Rowland, Department of Psychology

Morning Poster Presentation: UG: Psychology and Neuroscience D

First Place-Tie

Sex differences in the acquisition and extinction of platform mediated avoidance: Role of glucocorticoid receptors

Parker Dhillon, Biological Sciences (major), Neuroscience (minor) - Senior

Dr. Aaron Jasnaw, Pharmacology, Physiology, and Neuroscience

First Place-Tie

Targeting Synaptic and Extra-Synaptic NMDARs to Reverse Age-Related Memory Loss

Melanie Tieman, Biological Sciences (major), Interdisciplinary Studies (major) - Senior

Dr. Joseph McQuail, Pharmacology, Physiology, and Neuroscience

Second Place

YOUTHS' PERSPECTIVES ON TESTING POSITIVE FOR HIV IN SOUTH CAROLINA: IMPLICATIONS FOR ENDING THE HIV EPIDEMIC

Paris Harrington, Psychology (major), General Education (minor) - Senior

John Porter, Mathematic (major), Neuroscience (minor) - Sophomore

Dr. Sayward Harrison, Department of Psychology

Honorable Mention

The Role of Age and Empathy Levels on Mental Health Stigma

Fatima Jatoi, Psychology (major), Neuroscience (minor) - Junior

Dr. Melanie Palomares, Department of Psychology

Morning Poster Presentation: UG: Experiential Learning and GLD A

First Place

How a Tour led to a Successful College Career

Joshua Hopkins, Psychology (major), Counselor Education (minor) - Senior

Second Place-Tie

Leading the way one voice at a time

Trenell Boyd, Biological Sciences (major) - Senior

Ms. Julia Ballou, Preston Residential College

Mrs. Lauren Epps, Center for Integrative and Experiential Learning, U401 Professor

Second Place-Tie

My College of Engineering and Computing Ambassador Experience

Elizabeth Collins, Civil Engineering (major) - Senior

Morning Poster Presentation: UG: Experiential Learning and GLD B

First Place

Fulfilling a Dream

Candice Webber, Interdisciplinary Studies (major), Military Science (minor) - Senior

Second Place-Tie

Coming Home to Roost

Anaiah Kenas, Public Health (major), Spanish (minor) - Senior

Second Place-Tie

The Effects of Involvement in the Professional and Civic Spaces

Camila Pereira, Integrated Information Technology (major), Business Administration (minor) - Senior

Morning Poster Presentation: UG: Experiential Learning and GLD C

First Place

Growing into a Well-Rounded Leader

Eleanor Barnett, Public Health (major), Business Administration (minor) - Senior

Prof. Megan Colascione, Student Life

Second Place

Making an Impact Through Student Leadership

Kayla Shannon, Sport and Entertainment Management (major), Interdisciplinary Studies (major) - Senior

Honorable Mention

Academic Publishing Engagement

Jala Robertson, English (major), Interdisciplinary Studies (major) - Senior

Morning Poster Presentation: UG: Experiential Learning and GLD D

First Place

Student Employees within USC Admissions

Holly Chandler, Hospitality Management (major) - Senior

Dr. Antony Keane-Dawes, College of Arts and Sciences

Second Place

The role of proper documentation in both professional and academic accountability

Jake Richardson, Chemical Engineering (major), Computer Science (minor) - Senior

Honorable Mention

Values-Based Recruitment = Empowered Women of the Future

Sofia Torgersen, Public Health (major), Psychology (minor) - Senior

Morning Poster Presentation: UG: Experiential Learning and GLD E

First Place

Communication, Cultural Humility, and Advocacy: The Pillars of a Successful Career

Lindsey Bonk, Criminology and Criminal Justice (major), Computer Science (minor) - Senior

Dr. Kelly Goldberg, Department of Anthropology

Second Place

Increasing Utilization Through Process-Based Decision Making

Emily Sidel, Operations and Supply Chain (major), Marketing (major) - Senior

Honorable Mention

Creating a Sustainable, Equitable, and Walkable City via Improving Public Transportation

Blake Gibbons, Geography (major), Political Science (major) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Cultural Diversity A

First Place

How Gender is Illustrated Through Multiple Levels of Perceptions

Veronica Finnan, International Business (major), Japanese (minor) - Senior

Ms. Megan Colascione, Student Life

Second Place-Tie

More than one culture

Lucas Montandon, Associate in Science, Associate in Arts - Sophomore; USC Salkehatchie

Second Place-Tie

Finding my way, literally

Luis Quinones, Associate in Arts - Sophomore; USC Salkehatchie

Honorable Mention

Politics in Latin America - from the mountains to the rainforest

Tessa Sergile, International Business (major), Management (major) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Cultural Diversity B

First Place

Music Across Cultures

Charlotte Downs, Music (major) - Senior

Second Place

From A1 to B2: Becoming a Student and Leader in the Russian Language

Ingrid Lavin, Russian (major), Political Science (minor) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Education A

First Place

Peer to Peer Leadership: My journey as a Peer Consultant

Dylan Bartlett, Economics (major), Business Administration (minor) - Senior
Prof. Megan Colascione, Student Life

Second Place

University 101 Peer Leader: More than just a Position

Emma Barrentine, Public Health (major) - Senior
Ms. Kitty Sutton, University 101 Programs

Honorable Mention

Being the One: Being the person I needed freshman year

Marjorie (Maggie) Siciliano, Visual Communications (major), Integrated Information Technology (minor) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Entrepreneurial A

First Place

Building an Effective Team

Grace Bryant, Public Relations (major), Event Management (minor) - Senior

Second Place

Investing in People

Jackie McKenna, Finance (major), International Business (major) - Senior
Ms. Keah Tandon, University 101 Programs

Honorable Mention

Turning Ideas into Reality: The Power of Visualization

Shane Bakley, Finance (major) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Entrepreneurial B

First Place

Credit Improvement Coaching: A Solution to Homeownership Barriers

Erin Slack, Political Science (major), Mass Communications (minor) - Senior
Prof. Rico Reed, National Resource Center

Second Place

Leadership in Marketing Scholars Program

Olivia Vonderhaar, Marketing (major), Advertising and Public Relations (minor) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Policy and Governance A

First Place

The People Closest to the Problem are the Closest to the Solution: An Empirical Perspective of Health Policy

Samantha Johnson, Global Studies (major), Women's and Gender Studies (major) - Senior

Second Place-Tie

Professional Engagement: Interning with the City of Columbia

Allie Cyr, Public Relations (major), Business Administration (minor) - Senior
Mrs. Sarah Gina, Leadership and Service Center

Second Place-Tie

Effective Communication in the Legal Field

Amanda Harvey, Political Science (major), Interdisciplinary Studies (major) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Wellness and Health A

First Place

The Expression of Unheard Diabetes Narratives

Henry Patel, Biochemistry and Molecular Biology (major) - Senior
Dr. Melissa Nolan, Department of Epidemiology and Biostatistics

Second Place

Discovering Who I am Through HOSA

Hinal Patel, Biological Science (minor) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Wellness and Health B

First Place

Sharing My Mental Health Story: Vulnerability is Strength

Gabriella Wolske, Management (major), Marketing (major) - Senior

Second Place

Health is Not Always a Choice

Julia Blay, Public Health (major), Business Administration (minor) - Senior

Honorable Mention

The Determinants of Health in the Adult Emergency Room

Madeline Ward, Public Health (major) - Senior

Morning Poster Presentation: UG: CIEL/GLD - Wellness and Health C

First Place-Tie

Evaluating the Ethics of Research in a Global Health Setting

Ava Gierak, Public Health (major) - Senior

First Place-Tie

Empathy Belongs in the Workplace

Kathleen Hanrahan, Psychology (major), Counselor Education (minor) - Senior

Second Place

Fostering Growth in an Everchanging Society

Will Murray, Management (major) - Senior

Honorable Mention

Cognition of linguistic and Communication

Akshat Mehta, Biological Sciences (major), Neuroscience (minor) - Senior
Prof. Rico Reed, National Resource Center for FYE and Students in Transition

Morning Poster Presentation: UG: CIEL/GLD - Wellness and Health D

First Place

The Interconnectedness of Community Service and Public Health: A Reflection on Academic and Extracurricular Experiences

Hannah Leili, Public Health (major), Spanish (minor) - Senior

Second Place

Medicine of the Heart

Shaniya Vhora, Biochemistry and Molecular Biology (major), Business Administration (minor) - Senior

~ Afternoon Presentations ~

Afternoon Display Presentation: UG: Arts, Humanities, and Social Sciences BB

First Place

An Exploration of the Social and Economic Factors that Influence the Mental Health of LGBTQ College Students

Alexandria Fossum, Media Arts (major), Biology (minor) - Senior

Dr. Kate Flory, Department of Psychology

Afternoon Poster Presentation: UG: Arts, Humanities, and Social Sciences D

First Place

Optimal Food Donation Pick-Ups by Harvest Hope Food Bank Trucks from Retailers in Greenville and Florence Region

Will Morgison, Operations and Supply Chain (major) - Senior

Rechal Patel, Operations and Supply Chain (major) - Senior

Sarah Davis, Operations and Supply Chain (major) - Senior

Cara Yagiello, Operations and Supply Chain (major) - Senior

Mason Kirby, Operations and Supply Chain (major) - Senior

Dr. Sanjay Ahire, Department of Management Science

Second Place

Analyzing Syrian Refugee Experiences in Istanbul through their Presentations on Social Media

Nori Morgan, International Studies (major), Anthropology (minor) - Senior

Dr. Breanne Grace, College of Social Work

Afternoon Poster Presentation: UG: Arts, Humanities, and Social Sciences E

First Place

Engaging Chemistry Students with Classroom Games

Andrew Ferebee, Associate in Science - Sophomore; USC Lancaster

Dr. Bettie Obi Johnson, Science, USC Lancaster

Prof. Jill Castiglia, Science, USC Lancaster

Second Place

The Role of Moral Theory in Regulating Offensive Behavior

Salomon Campos-Rice, Baccalaureus Artium et Scientiae (major) - Junior

Dr. Justin Weinberg, Department of Philosophy

Honorable Mention

It is more than the Posts and Likes on Instagram! Investigating the mediating roles of FOMO and Upward Social Comparison

Alyson Pearce, International Business (major), Marketing (major) - Freshman

Dr. Jung-Hwan Kim, Department of Retailing

Afternoon Poster Presentation: UG: Arts, Humanities, and Social Sciences F

First Place

The Relationship between Generation Status, Acculturation, and Responses to Anti-Asian Racism in the Context of the COVID-19 Pandemic

Isabella Ouyang, Biological Sciences (major), Business Administration (minor) - Junior

Ms. Wendy Chu, Department of Psychology

Second Place

Economic Development in Columbia, SC

Weston Watts, Mathematic (major), Economics (major) - Junior

Sam Maloney, Mathematic (major), Economics (major) - Sophomore

Olivia Sentlinger, Economics (major) - Senior

Todd Whittington, Economics (major) - Senior

Dr. Elizabeth Watson, Department of Economics

Honorable Mention-Tie

Examining Language and Gender in Political Rhetoric

Kiley Cosby, Political Science (major), Informatics (minor) - Junior

Dr. Joshua Meyer-Gutbrod, Department of Political Science

Honorable Mention-Tie

Linguistic Freedom in the Republic of Azerbaijan

Maeve Smith, Political Science (major), Speech Communication (minor) - Junior

Dr. Stanley Dubinski, Department of English Language and Literature

Dr. Michael Gavin, Department of English Language and Literature

Afternoon Poster Presentation: UG: Biology and Biomedical Sciences E

First Place

Overexpression, Purification, and Biochemical Evaluation of Trypanosoma cruzi Glucokinase Bump Mutations for Drug-Target Validation

Lindsey Baker, Biology (major) - Sophomore; USC Beaufort

Prof. Edward D'Antonio, Department of Natural Sciences, USC Beaufort

Second Place

Inflammatory Cytokine Modulation of Amyloid- β Aggregation

Shannon DePratter, Biomedical Engineering (major), Neuroscience (minor) - Junior

Dr. Melissa Moss, Department of Chemical Engineering

Honorable Mention-Tie

Development, Testing, and Validation of AI-Driven Image Analysis Software

Jackson Goldsmith, Mechanical Engineering (major), Business Administration (minor) - Junior

Dr. John Eberth, Cell Biology and Anatomy

Honorable Mention-Tie

Exploring the effect of antipsychotics on eIF2 α signaling and neuronal differentiation

Sanjana Parise, Public Health (major), Interdisciplinary Studies (major) - Freshman

Prof. Rekha Patel, Department of Biological Sciences

Mrs. Tricia Simon, Department of Biological Sciences

Afternoon Poster Presentation: UG: Biology and Biomedical Sciences F

First Place

Production of Lymphocyte Antigen 6 Proteins - Targets for Cancer Treatment

Megha Patel, Biochemistry and Molecular Biology (major), Anthropology (minor) - Senior

Dr. Maksymilian Chruszcz, Department of Chemistry and Biochemistry

Mr. Ricardo Hernandez, Department of Chemistry and Biochemistry

Second Place

ATF4 Downstream Effects are Cell-Context Specific in Neurons and Glia

Ashutosh Arora, Biological Sciences (major), Interdisciplinary Studies (major) - Junior

Dr. Jeff Twiss, Department of Biological Sciences

Dr. Pabitra Sahoo, Department of Biological Sciences

Afternoon Poster Presentation: UG: Biology and Biomedical Sciences G

First Place

The Role of Cannabinoid Receptor 1 in Murine Models of Crohn's Disease

Colin Finney, Biological Sciences (major) - Senior

Dr. Melissa Ellermann, Department of Biological Sciences

Second Place

Disrupted Axonal mRNA Transport Links Mitochondrial Function to Charcot-Marie-Tooth type 4J Neuropathy

Mary McElveen, Baccalaureus Artium et Scientiae (major) - Junior

Dr. Jeff Twiss, Department of Biological Sciences

Honorable Mention

Role of transforming growth factor beta1 in development and progression of mitral valve disease

Ahad Chatta, Biochemistry and Molecular Biology (major), Computer Science (minor) - Junior

Dr. Mohamad Azhar, Cell Biology and Anatomy

Afternoon Poster Presentation: UG: Biology and Biomedical Sciences H

First Place

Ovarian Proteomics Profile in Mice Overexpressing a Human MMP14 Transgene in Fibroblasts

Lauren James, Biological Sciences (major), French (minor) - Senior

Dr. Holly LaVoie, Cell Biology and Anatomy

Second Place-Tie

The identification of the 3' untranslated region motif of prenyl-Cdc42 that drives its axonal localization.

Ashley Loomis, Biological Sciences (major), Spanish (minor) - Junior

Dr. Jeffery Twiss, Department of Biological Sciences

Mr. Matthew Zdradzinski, Department of Biological Sciences

Second Place-Tie

Suppression of telomerase activity and cytoprotective autophagy promotes apoptosis in glioblastoma cell lines

Amanda Manea, Mathematic (major), Biological Sciences (major) - Senior

Dr. Swapan Ray, Pathology, Microbiology, and Immunology

Dr. Nadia Al-Sammarraie, Pathology, Microbiology, and Immunology

Afternoon Poster Presentation: UG: Biology and Biomedical Sciences I

First Place

The Adhesion Protein Paxillin is Increased in Fibroblasts from Individuals with Down Syndrome

Cayla Wolfe, Biological Sciences (major), Interdisciplinary Studies (major) - Junior

Dr. Kristy Welshhans, Department of Biological Sciences

Ms. Katelyn Rygel, Department of Biological Sciences

Second Place

Investigating of Intestinal Diseases using *Caenorhabditis elegans*

MaKenna DeYoung, Biology (major) - Junior; USC Upstate

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

Afternoon Poster Presentation: UG: Biology and Environmental Sciences G

First Place

Studying the Transposition Mechanism of the mJing Miniature Inverted Repeat Transposable Element in Yeast

Megan Collins, Biology (major) - Junior; USC Aiken

Dr. Nathan C. Hancock, Department of Biology and Geology, USC Aiken

Second Place

Color Sensitivity and Physiology of Vision in the Crustacean *Daphnia dentifera* vs *Daphnia obtusa*

Charlotte Kile, Biological Sciences (major), Spanish (minor) - Senior

Mr. Matt Bruner, Department of Biological Sciences

Honorable Mention

Omnivory Effect on the Growth and Development of Invasive Agricultural Pest: *Spodoptera exigua*

Lillian Self, Biological Sciences (major), Geography (minor) - Senior

Dr. Eric LoPresti, Department of Biological Sciences

Afternoon Poster Presentation: UG: Biology and Environmental Sciences H

First Place

University of South Carolina Solar Energy Study

Logan Brodfuehrer, Environmental Science (major), Theatre (minor) - Senior

Dr. Conor Harrison, Department of Geography

Second Place

Variations of life history statistics over 500 generations of mutations

Elena Renshaw, Biological Sciences (major), Statistics (major) - Freshman

Dr. Jeff Dudycha, Department of Biological Sciences

Afternoon Poster Presentation: UG: Biology and Environmental Sciences I

First Place

Analyzing histone deacetylase-1 (hdac1) and lysine (K)-specific demethylase 1A (kdm1a) mutant zebrafish

Maddison McCall, Molecular Biology (major) - Dual enrollment; USC Aiken

Dr. April DeLaurier, Department of Biology and Geology, USC Aiken

Second Place

Scientists as Relatable Humans: Impacts of Diversity and Reflection

Peyton Smalls, Environmental Science (major) - Senior

Dr. Katherine Ryker, School of Earth, Ocean, and Environment

Honorable Mention

Seasonal Analyzation of Trichodesmium Trends in the Sargasso Sea

Megan Eubanks, Marine Science (major), Women's and Gender Studies (minor) - Junior

Dr. Joshua Stone, Department of Biological Sciences

Mr. Alex Barth, Department of Biological Sciences

Afternoon Poster Presentation: UG: Biology and Environmental Sciences J

First Place

An assessment of juvenile Carcharhinus melanopterus morphological characteristics on San Cristobal Island

Alyson Wisnionski, Environmental Science (major), Marine Science (minor) - Senior

Dr. Erin Meyer-Gutbrod, School of Earth, Ocean, and Environment

Second Place-Tie

Spatial and Temporal Variability in Dissolved Inorganic Nitrogen within the Winyah Bay Watershed

Victoria Ferri, Marine Science (major) - Senior

Dr. Claudia Benitez-Nelson, School of Earth, Ocean, and Environment

Ms. Gwendolyn M. Hopper, Department of Chemistry and Biochemistry

Dr. Erik M. Smith, Baruch Institute of Marine and Coastal Sciences

Second Place-Tie

Identifying genes that effect mPing transposition in yeast

Kaeleigh Seigler, Biology (major) - Dual Enrollment; USC Aiken

Dr. C. Nathan Hancock, Department of Biology and Geology, USC Aiken

Honorable Mention

Investigating the influence of oyster reef biophysical and landscape features on key oyster predators

Lillian Doll, Environmental Science (major), Biological Science (minor) - Senior

Dr. Robert Dunn, Baruch Marine Field Laboratory, Baruch Marine Field Laboratory

Afternoon Poster Presentation: UG: Biology and Environmental Sciences K

First Place

Generation of Desmosomal Cadherin Mutants in Zebrafish

Conner Entzminger, Biology (major) - Dual enrollment; USC Aiken

Dr. April DeLaurier, Department of Biology and Geology, USC Aiken

Second Place

Spectral Sensitivity of Coastal Crustaceans: Color Vision in Porcelain Crabs?

Rebecca LeBlanc, Marine Science (major) - Senior

Dr. Daniel Speiser, Department of Biological Sciences

Afternoon Poster Presentation: UG: Chemistry, Physics, and Math C

First Place

Characterization of Glutathione-S-Transferase from Dermatophagoides pteronyssinus

Robert Pokora, Biochemistry and Molecular Biology (major), Spanish (major) - Senior

Dr. Maksymilian Chruszcz, Department of Chemistry and Biochemistry

Ms. Kriti Khatri, Department of Chemistry and Biochemistry

Second Place

Bioavailability of Surface Sediment Phosphorus for the Proliferation of a Benthic Harmful Algal Bloom

Katelyn Carr, Biochemistry and Molecular Biology (major) - Sophomore

Dr. Timothy Shaw, Department of Chemistry and Biochemistry

Ms. Cassidy Crandell, Department of Chemistry and Biochemistry

Honorable Mention

Magic Square Type Sliding Game

Vigneswaran Madappan Chinnasami, Associate in Science - Sophomore; USC Salkehatchie

Dr. Wei-Kai Lai, Math, USC Salkehatchie

Afternoon Display Presentation: UG: Engineering and Computing BB

First Place-Tie

Futuristic Fashion: An Amalgamation of 3D Printing, Robotics and Attire Design

Rori Pumphrey, Mechanical Engineering (major), Mathematics (minor) - Freshman

Alexandra Stuedli, Biomedical Engineering (major), Business Administration (minor) - Senior

Ryan VanWyk, Chemical Engineering (major) - Senior

Venkata Naga Anirudh Ouganti, Computer Engineering (major), Statistics (major) - Senior

Alex Wojcik, Mathematic (major), Electrical Engineering (minor) - Senior

Sai Durga Rithvik Oruganti, Computer Engineering (major) - Senior

Mrs. Sowmya Raghu, Department of Mechanical Engineering

First Place-Tie

AvianAI: An Application of Computer Vision and Machine Learning for Wildlife Monitoring and Conservation

Ryan VanWyk, Chemical Engineering (major) - Senior

Sai Durga Rithvik Oruganti, Computer Engineering (major) - Senior

Mrs. Sowmya Raghu, Department of Mechanical Engineering

Afternoon Poster Presentation: UG: Engineering and Computing D

First Place

Theia: Outdoor Millimeter-Wave Picocell Placement using Drone-based Surveying and Machine Learning

Rahul Bulusu, Computer Science (major), Mathematics (minor) - Senior

Dr. Sanjib Sur, Department of Computer Science and Engineering

Second Place

Engineering electrically conductive 3D printing inks based on the assembly of gelatin and 2D nanoparticles

Adam Parker, Biomedical Engineering (major) - Junior

Dr. Nader Taheri-Qazvini, Department of Chemical Engineering

Honorable Mention-Tie

Simulink Modeling of an Electric Airplane

Korebami Adebajo, Mechanical Engineering (major), Electrical Engineering (minor) - Sophomore

Dr. Austin Downey, Department of Mechanical Engineering

Honorable Mention-Tie

Is Explainable Artificial Intelligence (XAI) Useful to Engage ADHD Learners for Complicated Problem-Solving? A Digital Rubik's Cube Design Use Case

Katelyn Wyandt, Computer Science (major), Chinese Studies (minor) - Sophomore

Dr. Dezhi Wu, Department of Integrated Information Technology

Afternoon Poster Presentation: UG: Engineering and Computing E

First Place

Enhancement of the oxygen reduction reaction of epitaxial La_{0.8}Sr_{0.2}CoO_{3-δ} thin films with surface decoration of binary oxides

Jiwon Kim, Mechanical Engineering (major) - Student Intern

Prof. Dongkyu Lee, Department of Mechanical Engineering

Second Place

Target and Performance Management Digitalization for XYZ Manufacturing

Manuela Cano, Integrated Information Technology (major), French (minor) - Senior

Matthew McGovern, Integrated Information Technology (major) - Senior

Phillip Parker, Integrated Information Technology (major) - Senior

Dr. Keiona Middleton, Department of Integrated Information Technology

Honorable Mention

The Triple M Dilemma: Implicit Biases' Impact on Black Maternal Health

Nazharee Cloude, Biological Sciences (major), African American Studies (minor) - Junior

Dr. Jamil Khan, Department of Mechanical Engineering

Afternoon Poster Presentation: UG: Engineering and Computing F

First Place

Studying Bubble Dynamics in Flow Boiling Using Machine Learning

Jackson Brown, Aerospace Engineering (major) - Senior

Dr. Chen Li, Department of Mechanical Engineering

Prof. Yan Tong, Department of Computer Science and Engineering

Second Place

Maximum and Minimum Density of Rounded and Angular Soil Comparison

Valerie Sims, Civil Engineering (major), Geological Sciences (minor) - Sophomore

Dr. Inthuorn Sasanakul, Department of Civil and Environmental Engineering

Afternoon Poster Presentation: UG: Health Sciences G

First Place

Mistrust in Patient-Provider Relationships in South Carolina

Khushi Patel, Public Health (major) - Junior

Dr. Robin Dawson, College of Nursing

Dr. Cynthia Corbett, College of Nursing

Second Place

SC Tick Surveillance: Asian Longhorned Tick study and findings.

Abiodun Titilayomi, Public Health (major), Business Administration (minor) - Junior

Dr. Melissa Nolan, Department of Epidemiology and Biostatistics

Ms. Lidia Gual-Gonzalez, Department of Epidemiology and Biostatistics

Dr. Kyndall Dye-Braumuller, Department of Epidemiology and Biostatistics

Afternoon Poster Presentation: UG: Health Sciences H

First Place

Depressive Symptoms and Quality of Life in People with POTS: A Descriptive Feasibility Study

Sydney Reichardt, Nursing - RN (major) - Junior

Dr. Cynthia Corbett, College of Nursing

Second Place-Tie

The Impact of Built Environment Features on Physical Activity Levels in College Students

Catherine Neel, Public Health (major) - Senior

Dr. Chih-Hsiang Yang, Department of Exercise Science

Second Place-Tie

Covid-19 Vaccine Hesitancy Amongst College-aged Students

Ashlynn Sweat, Nursing (major) - Senior; USC Aiken

Dr. Mary Gaffney, Nursing, USC Aiken

Afternoon Poster Presentation: UG: Health Sciences I

First Place

Knowledge and Bias Towards Medico-legal Cases by Nurses and the Effect on the Quality of Care for Patients

Rose Ferguson, Nursing - Generic (major) - Junior

Dr. Sara Donevant, College of Nursing

Second Place

South Carolina ticks do not demonstrate classic 'host specialization' blood feeding patterns: Ticks collected from dogs presenting at animal humane shelters test positive for human blood meals

Laura Witt, Public Health (major), Medical Anthropology (minor) - Sophomore
Dr. Melissa Nolan, Department of Epidemiology and Biostatistics

Afternoon Poster Presentation: UG: Health Sciences J

First Place

Development of a Statewide Broadband Internet Access Survey

Faith Albertson, Biochemistry and Molecular Biology (major), Health Promotion, Education, and Behavior (minor) - Junior
Dr. Nabil Natafqi, Department of Health Services Policy and Management

Second Place

Portrayal of Different Body Sizes and Genders in Goal Frames used to Promote Food and Beverage Advertisements in Ghana

Muskaan Makkar, Public Health (major), Economics (minor) - Sophomore
Ms. Morgan Boncyk, Department of Health Promotion, Education and Behavior
Dr. Krystal Rampalli, Department of Health Promotion, Education and Behavior
Ms. Marian Winters, Department of Health Promotion, Education and Behavior

Honorable Mention

Socioeconomic Determinants of COVID-19 Vaccine Hesitancy

Brandon Mercado, Biology (major), Psychology (minor) - Senior; USC Upstate
Colleen Phan, Biology (major) - Senior; USC Upstate
Dr. Ginny Webb, Division of Natural Sciences and Engineering, USC Upstate
Dr. Justin Travis, Department of Psychology, USC Upstate

Afternoon Poster Presentation: UG: Health Sciences K

First Place

Mindful Walking Program Improves Mental Processing Speed and Accuracy Among Older Adults at-risk for Dementia

Madison Ward, Public Health (major) - Sophomore
Dr. Chih-Hsiang Yang, Department of Exercise Science
Ms. Laura Phillips, Department of Exercise Science
Ms. Jenna Dzwierzynski, Department of Exercise Science

Second Place

Identifying the determinants of pediatric vaccine uptake during the COVID-19 pandemic

Colleen Phan, Biology (major), Sociology (minor) - Senior; USC Upstate
Brandon Mercado, Biology (major) - Senior; USC Upstate
Dr. Ginny Webb, Division of Natural Sciences and Engineering, USC Upstate
Dr. Justin Travis, Department of Psychology, USC Upstate

Honorable Mention

The Association Between Parenting Stress and Mother-Child Physiological Linkage in Autism Spectrum Disorder (ASD)

Barret Smoker, Public Health (major), Nutrition and Food Systems (minor) - Junior
Dr. Jessica Klusek, Department of Communication Sciences and Disorders

Afternoon Poster Presentation: UG: Psychology and Neuroscience E

First Place

Pilot study of novel cue-signaling paradigm offers insights into the prefrontal cortex's role in aversive learning

Isabella Dinu, Biochemistry and Molecular Biology (major), Neuroscience (minor) - Senior
Serena Parmar, Neuroscience (major) - Sophomore
Dr. Peter Vento, Department of Psychology

Second Place

Identification of Hypothalamic Neurons Involved in a Novel Circuit that Regulates Feeding Behavior

Victoria Glass, Biological Sciences (major), Psychology (minor) - Junior
Dr. Claudia Grillo, Pharmacology, Physiology, and Neuroscience
Mr. Nicholas Maxwell, Pharmacology, Physiology, and Neuroscience

Honorable Mention

Advocacy in the communities of low-income students: exploring how socio-economic status affect youth's mental health.

Xavier Pierce, Communication (major), Sociology (minor) - Senior; USC Aiken

Dr. Meeta Banerjee, Department of Psychology

Dr. Jason Munsell, Department of Communication, USC Aiken

Afternoon Poster Presentation: UG: Psychology and Neuroscience F

First Place

Working Memory During Chronic Stress in Aged Males Depends on Glucocorticoid and Mineralocorticoid Receptors

Neal Hammond, Biological Sciences (major), Neuroscience (major) - Junior

Caitlyn Murphy, Cardiovascular Technology (major) - Junior

Christian Ryan, Biochemistry and Molecular Biology (major) - Junior

Dr. Joseph McQuail, Pharmacology, Physiology, and Neuroscience

Ms. Haley Dufala, Pharmacology, Physiology, and Neuroscience

Mr. Tyler Cox, Pharmacology, Physiology, and Neuroscience

Second Place-Tie

Understanding the Impact of Positionality on Coding in a Qualitative Study of Black Men's Preventative Healthcare

Harper Murphy, Psychology (major) - Senior

Dr. Guillermo Wippold, Department of Psychology

Mrs. Sarah Grace Frary, Department of Psychology

Second Place-Tie

The Feasibility of the Linking Exercise to Daily Stress (LEADS) Management Trial for Health Promotion in African American Families

Devin Weeks, Psychology (major) - Senior

Ian Palfreyman, Risk Management and Insurance (major), Psychology (minor) - Freshman

Dr. Dawn Wilson, Department of Psychology

Honorable Mention

Evaluating the DB-DOS tool in Studying Emotion Regulation in Early Autism Spectrum Disorder

Laney Hankins, Psychology (major), Economics (minor) - Senior

Dr. Sarah Edmunds, Department of Psychology

Ms. Katie Rowland, Department of Psychology

Afternoon Poster Presentation: UG: Psychology and Neuroscience G

First Place

Ketogenic Diet Differentially Affects Memory and Mitochondria in Aging Male and Female Rat Hippocampus

Karinne Cobb, Baccalaureus Artium et Scientiae (major) - Senior

Dr. Joseph McQuail, Pharmacology, Physiology, and Neuroscience

Mr. Tyler Cox, Pharmacology, Physiology, and Neuroscience

Mrs. Erin Gorman-Sandler, Pharmacology, Physiology, and Neuroscience

Second Place

Connecting Through Physical Activity

Bridget Scaglione, Exercise Science (major), Business Administration (minor) - Senior

Dr. Nicole Zarrett, Department of Psychology

Afternoon Poster Presentation: UG: Psychology and Neuroscience H

First Place

The Impact of Insulin Resistance on Cognition and Neurogenesis

DeWitt Coleman, Biological Sciences (major), Neuroscience (minor) - Junior

Dr. Claudia Grillo, Pharmacology, Physiology, and Neuroscience

Mr. Nicholas Maxwell, Pharmacology, Physiology, and Neuroscience

Dr. Lawrence Reagan, Pharmacology, Physiology, and Neuroscience

Second Place

Alterations in Cholinergic Innervation and GABAergic Interneurons in the Amygdala in a Mouse Model of Fragile X Syndrome

Hannah Leili, Public Health (major), Spanish (minor) - Senior

Dr. David Mott, Pharmacology, Physiology, and Neuroscience

Honorable Mention

Correlates of Communication with God and Relationship with God, racial socialization practices, and racial discrimination among African American adolescents

Pearl Ayiku, Psychology (major) - Senior

Dr. Pamela Martin, Department of Psychology

Afternoon Poster Presentation: UG: Psychology and Neuroscience I

First Place

Social Smiling as a Potential Marker for ASD in High-Risk Infants of Age 3- and 4-Months

Waliya Waheed, Psychology (major) - Junior

Rijul Bhardwaj, Neuroscience (major), Business Administration (minor) - Sophomore

Dr. Jessica Bradshaw, Department of Psychology

Second Place-Tie

A study of long-lasting avoidance induced by chemogenetic stimulation of the RMTg

Moira Lopez de Leon, Psychology (major), Neuroscience (minor) - Junior

Jacob Watson, Psychology (major) - Graduate Student

Dr. Peter Vento, Department of Psychology

Second Place-Tie

The Relationship Between Genetic Markers: Physiological Activity & Anxiety in Female Adults with the FMR1 Permutation

Nhi Ngo, Neuroscience (major), Media Arts (minor) - Junior

Dr. Jane Roberts, Department of Psychology

Ms. Erin Hunt, Department of Psychology

Afternoon Poster Presentation: UG: Psychology and Neuroscience J

First Place

Investigating the Molecular Effects of Valproic Acid in iPSC-Derived Neurons

Brian Yoon, Neuroscience (major), Spanish (minor) - Sophomore

Dr. Calvin Leung, Brown University

Second Place

Brains in Pain: Migraine, Depression, and Amygdala Gray Matter Volumes – ABC at UofSC

Jade Hannan, Neuroscience (major), French (major) - Junior

Dr. Roger Newman-Norlund, Department of Psychology

Mrs. Sarah Newman-Norlund, Department of Communication Sciences and Disorders

Honorable Mention

Determining the effect of Fragile X Syndrome on the estrous cycle of Fmr1 mutant mice

Alaina Mullaly, Neuroscience (major), Biology (minor), Biology - Junior

Dr. Fiona Hollis, Pharmacology, Physiology, and Neuroscience

Ms. Alexia Crockett, Pharmacology, Physiology, and Neuroscience

Afternoon Poster Presentation: UG: Experiential Learning and GLD J

First Place

The Importance of Mentorship Programs

Rohan Nath, Cardiovascular Technology (major) - Junior

Second Place

Izzy's Impact

Savannah Robinson, Associate in Science - Sophomore; USC Lancaster

Mr. Thomas Izzard, Business, USC Lancaster

Honorable Mention-Tie

Leading the Way Through the First Year Experience: Creating a Sense of Community for First Year Students as a Resident Mentor

Aubrey Houle, Dance (major), Biology (minor) - Senior

Honorable Mention-Tie

Becoming an Effective Leader

Hannah Johnson, Finance (major), Marketing (major) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD K

First Place

My Experiences as a Student Employee at the Office of Substance Abuse Prevention and Education

Mackenzie Farmer, Public Health (major), Interdisciplinary Studies (major) - Senior

Second Place

Disability Education and Specialized Recruitment Training for University Ambassadors

Baileigh Sizemore, Public Health (major), Business Administration (minor) - Senior

Mr. Anthony Plotner, College of Education

Honorable Mention

Passion for Leadership

Justin Walker, Operations and Supply Chain (major), Sport and Entertainment Management (minor) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD L

First Place

From Orientation to the OR

Victoria Holliday, Associate in Science - Sophomore; USC Lancaster

Ms. Zoe Byrd, Academic & Student Affairs, USC Lancaster

Second Place

Advancing the Arts in Columbia, South Carolina

Olivia Hartman, History (major) - Senior

Mr. Rico Reed, National Resource Center

Honorable Mention

The Core of a Successful Team is Rooted with the Values of DEI at the Forefront.

Olivia Coppola, Criminology and Criminal Justice (major), Social Work (minor) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD M

First Place

GLD in Professional and Civic Engagement

Lily Cohen, Dance (major), Biological Science (minor) - Senior

Second Place

The Leadership Learning Curve of the Real-World that University Does Not Prepare Engineers for Due to Covid-19 Virtual Education

Jesse Nguyen, Mechanical Engineering (major) - Senior

Prof. Rico Reed, National Resource Center for FYE and Students in Transition

Afternoon Poster Presentation: UG: Experiential Learning and GLD N

First Place

K-12 Outreach and Education as a Means of Building a More Sustainable Future

AnnJacob Woodson, Marine Science (major) - Senior

Prof. Rico Reed, National Resource Center

Second Place

Carolina Closet

Jenna Wilson, Middle Level Education (major) - Senior

Honorable Mention

Building My Case

Kailik Faulk, Criminology and Criminal Justice (major) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD O

First Place

Value of Collaboration in the Oral Public Health Sector

Merideth Tallon, Public Health (major), Biological Science (minor) - Senior

Ms. Sarah Matthews, Center for Integrative and Experiential Learning

Second Place

A Community In Need & The Army Behind It: COVID-19 Relief Missions

Daniel Walters, Political Science (major) - Senior

Honorable Mention

Leading and Being Led: My time as an Editor for The Daily Gamecock

Audrey Elsberry, Journalism (major), Retailing (minor) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD P

First Place

Becoming an Effective Leader Through my University 101 Peer Leader Experience

Nicole Goldberg, Exercise Science (major) - Senior

Second Place

Effective Leadership: Discovering the Balance between Peer and Leader

Gabi Bertozzi, Sport and Entertainment Management (major), Mass Communications (minor) - Senior
Dr. Denise Wellman, Center for Integrative and Experiential Learning

Honorable Mention-Tie

What's your lollipop?

Yasmen Balogun, Mathematic (major), Health Promotion, Education, and Behavior (minor) - Senior

Honorable Mention-Tie

Zeroed in on Zero-Waste

Abby Vascsinec, Marketing (major), Finance (major) - Senior

Afternoon Poster Presentation: UG: Experiential Learning and GLD Q

First Place

Project Management in USC's Housing Construction and Renovations Department

John Jones, Electrical Engineering (major) - Senior

Mrs. Lauren Bolser, Housing

Second Place

Foundation Fellow

Carleigh Solomon, Sport and Entertainment Management (major), Interdisciplinary Studies (major) - Senior

Mr. Del Wilber, Purdue University Daniels School of Business, Mentor

Honorable Mention-Tie

Building the Future of Phi Chi Theta

Mackenzie Balzer, Finance (major), Operations and Supply Chain (major) - Senior

Honorable Mention-Tie

Conservation, Sustainability, and Ecolodges in the Virgin Islands

Julianne McHenry, Marine Science (major), Hotel, Restaurant, and Tourism Management (minor) - Senior

Afternoon Poster Presentation: UG: CIEL/GLD - Cultural Diversity C

First Place

Representation Matters

Ethena Lighty, Information Science (major), General Education (minor) - Senior

Second Place

What We Don't See: the Physical, the Mental, and the Global

Bethany Reeve, Global Studies (major), Chinese Studies (minor) - Senior

Honorable Mention

Strategic Storytelling — The Key to Inclusivity

Maria Balthazar, Public Relations (major), Women's and Gender Studies (minor) - Senior

Ms. Gina Spence, Center for Integrative and Experiential Learning

Afternoon Poster Presentation: UG: CIEL/GLD - Cultural Diversity D

First Place

Kylie Bukow's Global Learning GLD Portfolio

Kylie Bukow, Mass Communications (major) - Senior

Second Place

From Learning Italian to Teaching English

Lauren Taylor, International Business (major), Finance (major) - Senior

Prof. Keah Tandon, University 101 Programs

Honorable Mention

The Dark Side of the Mind

Alejandra Ramirez, International Studies (major), Criminal and Justice (minor) - Junior
Mrs. Megan Colascione, Student Life

Afternoon Poster Presentation: UG: CIEL/GLD - Cultural Diversity E

First Place

Global Learning: A Journey of Independence and Self-Investigation in Hong Kong

Ivy Lu, International Business (major), Finance (major) - Senior

Second Place

Sports Medicine, History, and Culture Down Under

Sydney Brewster, Exercise Science (major) - Senior

Ms. Alexis Michalos, Housing

Afternoon Poster Presentation: UG: CIEL/GLD - Education B

First Place-Tie

Learning to Lead

Emily Cowan, Exercise Science (major), Psychology (minor) - Senior

First Place-Tie

University 101 Peer Leading Experience

Sarah Steinmetz, Finance (major) - Senior

Second Place

Community & Interdependency

Josie Galasso, Criminology and Criminal Justice (major), Women's and Gender Studies (major) - Senior

Prof. Megan Colascione, Student Life

Honorable Mention

Effective Classroom Management: Fair Is Not Equal

Caroline Shelley, Middle Level Education (major) - Senior

Afternoon Poster Presentation: UG: CIEL/GLD - Entrepreneurial C

First Place

The relationship of creativity and data in marketing strategy development

Victoria Borowsky, Marketing (major), Management (major) - Senior

Second Place

J.P Morgan Chase & Co. Internship

Eddy Perez, Finance (major), Spanish (minor) - Senior

Honorable Mention

Flexibility in Management

Mardy Kramer, Mass Communications (major) - Senior

Dr. Ambra Hiott, Leadership and Service Center

Afternoon Poster Presentation: UG: CIEL/GLD - Entrepreneurial D

First Place

My Biomedical Engineering Internship

Sarah Sylvester, Biomedical Engineering (major) - Senior

Second Place

Women in Business Harvard IFC Conference

Sydney Marcuzzi, Marketing (major), Management (major) - Senior

Prof. Ambra Hiott, Leadership and Service Center

Afternoon Poster Presentation: UG: CIEL/GLD - Policy and Governance B

First Place

The Suppression of the Black Vote through Redistricting and Gerrymandering in South Carolina

Courtney McClain, Broadcast Journalism (major), Political Science (minor) - Senior

Second Place

Social Work and Disability Rights

Isabelle Borduas, Social Work (major), Leadership Studies (minor) - Senior

Honorable Mention-Tie

Understanding What It Means To Serve

Dominique Praylow, Political Science (major) - Senior

Honorable Mention-Tie

Collaboration for Success

Riley Rodgers, Political Science (major), Psychology (minor) - Senior

Afternoon Poster Presentation: UG: CIEL/GLD - Wellness and Health F

First Place

Intervention and Stigma Through The Lens of Mental Health by Kaitlyn Speiser

Kaitlyn Speiser, Psychology (major), Advertising and Public Relations (minor) - Senior

Dr. Matthew Childs, Center for Integrative and Experiential Learning

Second Place

Changing Lives in Guatemala

Sarah Mitchell, Biological Sciences (major), Psychology (minor) - Senior

Honorable Mention-Tie

Pre-Veterinary Medicine: The Road Less Traveled

Catherine DeSantis, Biological Sciences (major), Medical Anthropology (Minor) - Senior

Honorable Mention-Tie

Invoking Change in Our Healthcare System

Sarah Teal, Public Health (major) - Senior

Afternoon Poster Presentation: UG: CIEL/GLD - Wellness and Health G

First Place-Tie

Innovative Learning at Innovative Smiles

Mikayla Carty, Biological Sciences (major), Art Studio (minor) - Senior

First Place-Tie

From Classroom to Clinic: How My Role as a Peer Educator Inspired My Future Career in Healthcare

Zainab Nathani, Biological Sciences (major), Psychology (major) - Senior

Mrs. Megan Colascione, Student Life

Second Place

Research in Systems Mechanobiology

Rateesh Hegneshwar, Biomedical Engineering (major) - Senior

Dr. Jake Potter, Clemson University, Ph.D. in Systems Mechanobiology

Prof. William Richardson, Clemson University, Systems Mechanobiology

Afternoon Poster Presentation: UG: CIEL/GLD - Wellness and Health H

First Place

Promoting the Health of the Underserved- Creating an Item Closet at Prisma Health to Provide Homeless Patients with Necessities Upon Discharge

Baylee Marin, Biological Sciences (major), Interdisciplinary Studies (major) - Senior

Second Place

Extending Healthcare to Global Communities

Hannah Lutz, Nursing - RN (major) - Senior

Dr. Melissa Reitmeier, College of Social Work

Honorable Mention-Tie

Organization of Running a Mass Vaccination Facility

Madeline Mikes, Public Health (major) - Senior

Honorable Mention-Tie

A Look Into Rural Guatemala

Lauren Williamson, Exercise Science (major), Biological Sciences (minor) – Senior

Isha Patel, Exercise Science (major), Interdisciplinary Studies (major) – Senior