Congratulations to our Award Winners!

**Creative and Oral Presentations:**

**Business & Politics**
1. **Pursuing Transatlantic Unity: NATO's Parliamentary Conference**  
   Christian Buckson, History, Junior  
   Dr. David Snyder, History
2. **Critical Mass and the Effect of Female Judges on Voting Patterns and Rate of Dissent in Alberta's Court of Appeal**  
   Miroslava Radieva, Psychology, Sophomore  
   Dr. Donald Songer, Political Science

**Creative Presentations - Morning**
1. **Crossing Boundaries and Forming Communities through Dance**  
   Joanna Hardy, Dance, Senior  
   Dr. Mila Parrish, Theatre and Dance
2. **Stamitz and the Viola d'Amore**  
   Monica Johnston, Music, Senior  
   Dr. Constance Gee, Music

**Creative Presentations - Afternoon**
1. **From Within: Educating Schools on the Importance of Asian Culture through Music**  
   Andre North, Music Education, Senior  
   Dr. Clifford Leaman, Music

**Education - Russell House room 302**
TIE 1. **Carolina Science Outreach: Investigating Methods of Advocating Science to the Public**  
   Reginald Bain, Physics, Junior  
   Ronald (Jim) Talbert, Baccalaureus Artium et Scientiae, Junior  
   Samuel Johnson, Biological Sciences, Junior  
   Dr. Edward Munn-Sanchez, Honors College
TIE 1. **Pre-Service Teachers' Attitudes toward Dialect Diversity in the Classroom**  
   Lauren Fowler, Psychology, Senior  
   Dr. Tracey Weldon, English Language and Literatures
Humanities
1. **Study of Ancient Friendship, the Mind, and Imitation in Paul’s Letter to the Philippians**  
   *Lara Grantham*, International Business, Senior  
   Dr. Erin Roberts, Religious Studies

2. **Inter-Vocalic Plosive Degradation in Western Germanic Languages**  
   *Kevin Kinsey*, English, Senior, USC Aiken  
   Dr. Eric Carlson, English, USC Aiken

Humanities & Social Sciences
1. **Worlds Apart: Monastic Seclusion and Witness**  
   *Erik Grayson*, Religious Studies, Senior  
   Dr. James Cutsinger, Religious Studies

2. **SEA Semester Study Abroad Experience: My Adventures as a Pirate-Scientist**  
   *Kyra Marsigliano*, Marine Science, Sophomore

Public Health & Health Sciences
1. **Resveratrol effect in Duchenne Muscular Dystrophy (DMD)**  
   *Patti Weed*, Exercise Science, Senior  
   Dr. Matthew Kostek, Exercise Science

TIE 2. **Motivation and health behaviors associated with adoption of more Plant Based Diets (PBD) among college aged students**  
   *Sarah Ali*, Public Health, Senior  
   Dr. Christine Blake, Health Promotion Education and Behavior

TIE 2. **Barriers to Healthy Eating and Obesity in Underserved Adolescents**  
   *Melissa Laitner*, Psychology, Senior  
   *Tyrell Singletary*, Public Health, Sophomore  
   Dr. Dawn Wilson, Psychology  
   Ms. Hannah Lawman, Psychology

Science, Computing, & Engineering
1. **Personal Automated Scheduling System (PASS)**  
   *Matthew Zimmermann*, Computer Engineering, Junior  
   *Breland Miley*, Computer Engineering, Junior  
   *Will Reade*, Computer Science, Junior  
   Dr. Csilla Farkas, Computer Science and Engineering

2. **Application of Supramolecular Boronates Towards Selectively Sequestering and Detecting Benzene**  
   *Jennifer Link*, Chemistry, Senior  
   Dr. John Lavigne, Chemistry and Biochemistry

Science, Engineering, & the Environment
1. **Determination of Microbial Diversity and Abundance in Turbidity Maxima using Pyrosequencing Techniques**  
   *Justin Brady*, Chemistry, Senior  
   Dr. Richard Long, Biological Sciences
2. Adsorption of bisphenol A and 17α-ethinyl estradiol on single walled carbon nanotubes from seawater and brackish water
   *Lesley Joseph*, Civil Engineering, Senior
   Dr. Yeomin Yoon, Civil and Environmental Engineering

2. Kainate Receptor Subunit Physiology
   *Matthew Fisher*, Biological Sciences, Senior
   Dr. Janet Fisher, Pharmacology Physiology and Neuroscience

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**Poster Session:**

**Arts & Humanities I**

1. The Chronological Significance of the Archaeological Site Khirbet Qeiyafa
   *Jacob Damm*, Classics, Senior
   Dr. Katja Vehlow, Religious Studies

2. Eyes of Ethnology: A Visual Anthropology Study of the Bai Peoples of Shaxi, Yunnan, China
   *Chelsea Goldstein*, Anthropology, Senior
   Prof. Dawn Hunter, Art

**Arts & Humanities II**

1. Exploring Japanese Musical Traditions
   *Christian Traylor*, Music, Senior
   Dr. Youko Brooks, Languages Literatures and Cultures
   Prof. Sonia Jacobsen, Music

2. Curating at the McKissick Museum: The Rise of Southern Pottery in the Twentieth Century and The Business of Shearwater Pottery in Ocean Springs, Mississippi
   *Kaitlin Smith*, Art History, Junior
   Dr. Lana Burgess, Art

**Biology & Biomedical Sciences I**

1. Role of HOXA9 in NF-kB Dependent Cellular Inflammation
   *Daniel Weinberg*, Biological Sciences, Senior
   Dr. Chandrashekhar Patel, Cell Biology and Anatomy

2. Role of Polyphenols in Inhibiting Amyloid-β Induced Activation of Human Umbilical Vein Endothelial Cells (HUVECs)
   *Apoorva Srivastava*, Baccalaureus Artium et Scientiae, Senior
   Dr. Melissa Moss, Chemical Engineering
Biology & Biomedical Sciences II
1. Characterizing MAP Kinase Complexes in Tomato Plants
   Sarah Pulliam, Biological Sciences, Senior
   Dr. Johannes Stratmann, Biological Sciences

2. Inhibition of matrix metalloproteinase-7 (MMP-7) expression by interferon via transcriptional regulation
   Christine Gennosa, Biological Sciences, Junior
   Dr. Rekha Patel, Biological Sciences

Chemistry
1. Investigating the Activity of Au Nanoclusters on Titania as Model Catalytic Systems
   Brian Molesky, Chemistry, Senior
   Dr. Donna Chen, Chemistry and Biochemistry

2. Automated analysis of anabolic steroids in human urine using cleanup tips and GC/MS
   Eric Reichard, Chemistry, Senior
   Dr. Stephen Morgan, Chemistry and Biochemistry

Chemistry, Physics, & Math
1. Thresholds for Permutation Patterns
   Joshua King, Mathematics, Senior
   Dr. Joshua Cooper, Mathematics

2. Effects of a Confined Environment on Photochemical Reactions
   Rohail Rashid Kazi, Chemistry, Junior
   Dr. Linda Shimizu, Chemistry and Biochemistry

Computer Science & Engineering
1. A Dynamic 3-D Indoor Radio Propagation Model
   Robert Player, Biological Sciences, Senior, USC Beaufort
   Dr. Yiming Ji, Computer Science, USC Beaufort

2. Using Smartphones to Monitor Wireless Network Health
   Jason Isenhower, Computer Science, Sophomore
   Dr. Srihari Nelakuditi, Chemical Engineering

Engineering
TIE 1. Hydrolysis of Sodium Borohydride at Elevated Pressure
   Christopher Boyd, Chemical Engineering, Senior
   Dr. Michael Matthews, Chemical Engineering

TIE 1. Synthesis and Characterization of Functional Self Assembled Nanoparticles
   Richard Doe, Biomedical Engineering, Junior
   Dr. Esmaiel Jabbari, Biomedical Engineering

   Kevin Romito, Mechanical Engineering, Senior
   Dr. Kevin Huang, Mechanical Engineering
Environmental Sciences I
1. Bioavailability of P Across an Oxic/Anoxic Boundary
   Melissa Bennett, Marine Science, Senior
   Dr. Claudia Benitez-Nelson, Earth and Oceans Sciences

2. Phylogenetic Relationships of an Imperiled Undescribed Species of Madtom (Genus Noturus)
   Alexandra Hooks, Marine Science, Senior
   Dr. Joseph Quattro, Biological Sciences

Environmental Sciences II
1. The Endeavor of Establishing the First Crustacean Cell Line
   Charles Schumpert, Biological Sciences, Senior
   Dr. Jeff Dudycha, Biological Sciences
   Dr. Rekha Patel, Biological Sciences

2. Effects of Crude Oil Concentrations on Estuary Phytoplankton Community Structure and Function
   Kailen Gilde, Marine Science, Junior
   Dr. James Pinckney, Biological Sciences

Health & Medical Sciences I
1. Evaluation of caffeine and the development of necrotizing enterocolitis
   Nehal Hashem, Pharmacy, Senior
   Dr. Brandon Bookstaver, Pharmaceutical and Biomedical Sciences
   Dr. Christina Piro, Pharmaceutical and Biomedical Sciences

2. Preventing Preterm Delivery Associated with Genitourinary Tract Infections: The Provider’s Prospective
   Cierra Jones, Nursing, Senior, USC Aiken
   Dr. Jo-Ellen McDonough, Nursing, USC Aiken

Honorable Mention:
The Effect of Bright Light Therapy on Postpartum Depression
Ji Lim, Insurance and Risk Management, Junior
Ms. Shannon K. Cornelius, Exercise Science

Health & Medical Sciences II
1. Micafungin use in a critically ill, morbidly obese patient
   Elliot Turner, Pharmacy, Senior
   Dr. Brandon Bookstaver, Pharmacy

2. Impact of a pharmacist-driven stewardship initiative on medication errors in hospitalized HIV-infected patients
   Caitlin Musgrave, Pharmacy, Senior
   Dr. Brandon Bookstaver, Clinical Pharmacy and Outcomes Sciences
   Dr. Celeste Rudisill, Clinical Pharmacy and Outcomes Sciences
Neuroscience & Experimental Psychology I
1. Evaluating the random-regular-numerosity-illusion across development
   Breana Carter, Psychology, Junior
   Dr. Melanie Palomares, Psychology

TIE 2. The Degree of Potentiation and Selectivity of Magnolol and Honokiol on the Subunits of the GABA(A) Receptor
   Mikhail Alexeev, Biomedical Engineering, Junior
   Dr. Janet Fisher, Pharmacology Physiology and Neuroscience

TIE 2. Analyzing Lentiviral Vector-Mediated Transgene Delivery to Rat Hippocampal Neurons
   Katherine McClellan, Biological Sciences, Senior
   Dr. David Mott, Pharmacology Physiology and Neuroscience

Neuroscience & Experimental Psychology II
1. Amelioration of HIV-1 Tat-induced neuronal injury by phytoestrogens
   Tori Espensen-Sturges, Psychology, Senior
   Dr. Rosemarie Booze, Psychology

2. Physiological Indicators of Autism Symptom Severity in Children with Fragile X Syndrome
   Bailey Tackett, Psychology, Junior
   Caroline Clark, Psychology, Senior
   Dr. Jane Roberts, Psychology

Psychology & Social Sciences I
1. Context Effects on Political Perceptions and Preferences
   Addison Fay, Psychology, Junior
   Dr. Doug Wedell, Psychology

2. The Link Between Self-identification and Status for Biracial Persons
   Katherine Granger, Sociology, Senior
   Dr. Shelley Smith, Sociology

Psychology & Social Sciences II
1. The Effect of Gender Roles and Gender Identity on Perceptions of Sexual Behavior
   Melissa Peters, Psychology, Senior, USC Aiken
   Dr. Jane Stafford, Psychology, USC Aiken

2. The effects of recent musical context on emotional ratings of musical stimuli
   Tanya Nichols, Psychology, Senior
   Dr. Douglas Wedell, Psychology

Psychology, general
1. Identifying Faces: Which Features Matter?
   Matthew Shannon, Psychology, Junior
   Dr. Melanie Palomares, Psychology

2. Examining factors related to substance abuse among individuals with SMI
   Boris Klaric, Psychology, Senior
   Dr. Bret Kloos, Psychology
Mr. Greg Townley, Psychology

Social Sciences & Business I
1. Process of internationalization in Mexican multinational corporations
   Cameron Cegala, International Business, Senior
   Dr. Alvaro Cuervo-Cazurra, International Business

2. ProPowerLINKS
   Alan Brylawski, Management, Senior

Social Sciences & Business II
TIE 1. Evaluating the Impact of Child Support Grants in Lesotho
   Will Payne, Political Science, Junior
   Dr. Edward Carr, Geography

TIE 1. The Effects of Transnational Integration Regimes on Domestic Capital Market Regulation in Developing Countries
   Anna Sekulich, International Business, Senior
   Dr. Gerald McDermott, International Business

2. Turkish Perspectives on European Union Accession
   Hannah Miller, Economics, Sophomore
   Dr. Amy Mills, Geography

Social Sciences & Education
1. Analyzing the effect an educational pharmacy camp has on high school students’ perception and knowledge of the pharmacy profession
   Cory Jenks, Pharmacy, Senior
   Dr. Elizabeth Blake, Pharmacy

2. Ripples of Hope
   Brittany Hayes, Art Education, Senior
   Dr. Karen Heid, Art

Social Sciences & Public Health
1. Impact of Point of Selection Signage for “5 A-Day and 50k” Tailored to Eating Identity
   Bernadette Riemer, Management, Junior
   Dr. Christine Blake, Health Promotion Education and Behavior

2. The Effect of Toning Shoes on Exercise Energy Expenditure and Walking Behavior
   Kevin Huff, Exercise Science, Senior, USC Aiken
   Dr. Brian Parr, Exercise and Sports Science, USC Aiken