Congratulations to our 2012 Award Winners!

Creative and Oral Presentations:

**Morning oral/creative presentation - Arts & Humanities I**

**First place**  
*Ensemble Devising through Improvisation*  
*Brittany Anderson*, Theatre & Spanish - Senior  
Prof. James O’Connor, Theatre and Dance  
Prof. Sarah Barker, Theatre and Dance

**Honorable Mention**  
*Preserving Their Past: Using Multimedia to Document the Ward One Community*  
*Jade McDuffie*, Journalism Mass Communications Concentration & Political Science - Senior  
Dr. Bobby Donaldson, History

**Morning oral presentation - Arts & Humanities II**

**First place**  
*Seeing is Believing—Biological Illustration*  
*Emily Phifer*, Biological Sciences & Art Studio - Senior  
Dr. Chris Toumey, NanoCenter

**Second place**  
*The Changing Faces of Communication Media*  
*Noël Marsh*, Religious Studies & Psychology - Sophomore  
Dr. Leon Jackson, English Language and Literature

**Morning oral presentation - Humanities & Social Sciences**

**First place**  
*Charity Equality and Julius Rosenwald: Jewish-Black Relations through Educational Philanthropy in the South*  
Anna Janosik, History & Political Science - Senior  
Dr. Lauren Sklaroff, History

**Morning oral presentation - Psychology & Public Health**

**First place**  
*HPV Vaccination Uptake in SC African American Women: The Role of Culture Religion and Physicians*  
*Azza Abdalla*, Biological Sciences & Medical Humanities - Senior  
Dr. Jessica Bellinger, Health Services Policy and Management

**Second place**  
*Music Perception in Adult Cochlear Implant Users*  
*Angela Bedell*, Music Performance & Communication Sciences and Disorders - Senior  
Dr. Allen Montgomery, Communication Sciences and Disorders  
Dr. Kimberlee Crass, Communication Sciences and Disorders

**Morning oral presentation - Science & Neuroscience**

**First place**  
*The Degree of Potentiation and Selectivity of Magnolol and Honokiol on the Subunits of the GABA(A) Receptor*  
*Mikhail Alexeev*, Biomedical Engineering - Senior  
Dr. Janet Fisher, Pharmacology Physiology and Neuroscience
Morning oral presentation - Science, Engineering, & Computing
First place Reactive Oxygen Species at the Groundwater Beach Front Interface: Fe oxidation at an Oxygen Rich Environment
  Stephen Timko, Marine Science & Chemistry - Senior
  Dr. Tim Shaw, Chemistry and Biochemistry

Honorable Mention Cadmium Sulfide Nanowire Field Effect Transistors: From Synthesis to Electrical Characterization
  Christopher Pinion, Chemistry & Physics - Senior
  Dr. Andrew Greytak, Chemistry and Biochemistry

Morning oral presentation - Social Sciences & Business
First place Carbon Neutral Athletics: Reducing our carbon footprint one step at a time
  Erin Fedewa, Marine Science - Senior
  Nicole Rheinlander, International Business & Accounting - Senior
  Mr. Michael Koman, Sustainable Carolina
  Dr. Kevin Elliott, Philosophy and Leadership Initiative

Morning oral presentation - Social Sciences & Education
First place-Tie Fostering Future Scientific Leaders through Carolina Science Outreach
  Reggie Bain, Physics & Mathematics - Senior
  Jim Talbert, Baccalaureus Artium et Scientiae - Senior
  Dr. Edward Munn-Sanchez, Honors College
  Dr. Kevin Elliott, Philosophy and Leadership Initiative

First place-Tie The Teaching of Reconstruction in South Carolina: a Study of Current Practices in South Carolina's Public Schools
  Chloe Greene, History & African American Studies - Senior
  Dr. Patricia Sullivan, History

Afternoon oral/creative presentation - Arts & Humanities I
First place Sharing Stage Combat with High School Students
  Lauren Koch, Theatre - Senior
  Prof. Robert Richmond, Theatre and Dance

Afternoon oral presentation - Humanities & Social Sciences
First place Artemis Challenge: A Critical Interactive
  Maliek Mcknight, Computer Science & Media Arts - Senior
  Dr. Duncan Buell, Computer Science and Engineering

Afternoon oral presentation - Psychology & Public Health
First place Going To Any Length: Psychological and Behavioral Motivations for Hair Donation
  Christina Galardi, Public Relations & Health Promotion Education and Behavior - Senior
  Dr. Kara Montgomery, Health Promotion Education and Behavior

Afternoon oral presentation - Science & Neuroscience
First place Correlating Inflammation to Scar Tissue Formation in Skeletal Muscle Tissue Healing
  Gerry Koons, Biomedical Engineering & German - Sophomore
  Dr. Michael Yost, Department of Surgery
Afternoon oral presentation - Science, Engineering, & Computing
First place  Changing pH and alkalinity levels throughout the SEA C-235 cruise track
   Meryssa Downer, Marine Science - Senior
   Dr. Claudia Benitez-Nelson, Earth and Ocean Sciences

Second place  Worm Towers: A composting solution for a better tomorrow
   Michael Young, Anthropology - Freshman
   Hannah Fox, Environmental Science - Senior
   Briana Farber, Anthropology - Freshman
   Dr. Jennifer Pournelle, Environment & Sustainability Program

Afternoon oral presentation - Social Sciences & Business
First place  Current NFL Collective Bargaining Agreement vs Previous - Main Similarities/Differences
   Tyler McBride, Sport and Entertainment Management - Senior
   Dr. John Grady, Sport and Entertainment Management
   Dr. Tom Regan, Sport and Entertainment Management

Afternoon oral presentation - Social Sciences & Education
First place  Dig in! The Impact of Parental Involvement on At-Risk Youth and Academic Outcomes
   Jasmine Horton, Secondary Education & English - Senior; USC Upstate
   Dr. Jennifer Parker, Sociology, Criminal Justice and Women's Studies; USC Upstate

Poster Sessions:

Morning poster presentation - Biology & Biomedical Sciences
First place  Identification of Dual-Target Drugs for Alzheimer's disease
   Darien Davda, Biomedical Engineering - Senior
   Dr. Melissa Moss, Chemical Engineering

Second place  Base Excision Repair Status and PARP Inhibition in Breast Cancer Cells
   Nathan Mitchell, Pharmacy - Sophomore
   Dr. Michael Wyatt, Pharmaceutical and Biomedical Sciences

Morning poster presentation - Engineering, Computing, & Math
First place  Investigate method to produce high performance electrode (for PEM fuel cell) using an electro-spinning technique to distribute carbon catalyst and ionomer in a controlled manner.
   Joshua Sightler, Mechanical Engineering - Senior
   Dr. Xinyu Huang, Mechanical Engineering

Morning poster presentation - Environmental Sciences I
First place  The role of individual behavior type in mediating indirect interactions
   John Gatto, Marine Science - Senior
   Dr. Blaine Griffen, Biological Sciences

Second place  Constraints on the Origin for the Garnet Pyroxenites from O`ahu Hawaii
   Won Howell, Geological Sciences - Senior
   Dr. Michael Bizimis, Earth and Ocean Sciences
Morning poster presentation - Environmental Sciences II

**First place**  Understanding the composition of Phosphorus in Suspended Particles  
Erin McParland, Marine Science - Junior  
Dr. Claudia Benitez-Nelson, Earth and Ocean Sciences

**Second place**  Anuran Species Detection and Site Occupancy in the South Carolina Coastal Plain Using the North American Amphibian Monitoring Program  
Paul Thomas, Biology - Sophomore; USC Aiken  
Dr. Eran Kilpatrick, Biology; USC Salkehatchie

Morning poster presentation - Leadership

**First place**  LGBTQ commUNITY Development Program Description  
Ben Muller, Chemistry & Marketing - Senior  
Dr. Kevin Elliott, Philosophy and Leadership Initiative

**Second place**  Mentoring a Student Leader  
Elisa Bonnin, Chemistry & Marine Science - Junior  
Mr. Jim Burns, Honors College

Morning poster presentation - Pharmacy

**First place**  Observational Study of Dexmedetomidine in Trauma Critical Care Patients  
Kristina Rokas, Pharmacy - Senior  
Dr. April Miller, Clinical Pharmacy and Outcomes Sciences  
Dr. Brianne Dunn, Clinical Pharmacy and Outcomes Sciences

**Second place**  Hemodynamic Targets and Vasopressor Use in Neurogenic Shock  
Maryjoy Lepak, Pharmacy - Senior  
Dr. April Miller, Clinical Pharmacy and Outcomes Sciences

Morning poster presentation - Psychology & Neuroscience I

**First place**  How Does Attending to Multiple Items Correlate with Verbal and Non-Verbal Abilities?  
Matthew Shannon, Psychology & Philosophy - Senior  
Dr. Melanie Palomares, Psychology

**Second place**  Left and right amygdalar differences in the number of parvalbumin-positive neurons  
Elisabeth Oliver, Chemistry & Biological Sciences - Junior  
Dr. Marlene Wilson, Pharmacology Physiology and Neuroscience  
Dr. Ryan Butler, Pharmacology Physiology and Neuroscience  
Dr. James Fadel, Pharmacology Physiology and Neuroscience

Morning poster presentation - Psychology & Neuroscience II

**First place**  Visual apprehension of small and large numerosities  
Breana Carter, Psychology - Senior  
Dr. Melanie Palomares, Psychology

**Second place**  Does Prenatal IV Nicotine Exposure Increase Motivation for Methamphetamine Reinforcement in Rats?  
Shelley Maxwell, Psychology - Junior  
Dr. Steven Harrod, Psychology  
Mr. Ryan Lacy, Psychology  
Ms. Amanda Morgan, Psychology
Honorable Mention  Effect of Parental Education Motivation and Self-Efficacy on Adolescents Weight Status and Physical Activity  
Lee Woods, Psychology & Sociology - Senior  
Dr. Dawn Wilson, Psychology  
Ms. Sara St. George, Psychology  

Morning poster presentation - Social Sciences I  
First place  Locating Cannibalism on St. Croix: Shedding Light on Cultural Practice  
Claudia LaBarre, Anthropology - Senior  
Dr. Carlina de la Cova, Anthropology  

Second place  Online Design in a Post PC World  
Denishia Macon, Visual Communications & Art Studio - Senior  
Prof. Van Kornegay, Journalism and Mass Communications  

Morning poster presentation - Social Sciences II  
First place  Are we getting the health information we need from the mass media?: Consumers’ Perceptions about Online Health and Medical News  
Eleasa Van Slooten, Public Health & Religious Studies - Junior  
Dr. Daniela Friedman, Health Promotion Education and Behavior  
Dr. Andrea Tanner, Journalism and Mass Communications  

Second place  Aspirations or Reactions?: Understanding the Development Needs of Women in Rural Ghana  
Maggie Steiner, Interdisciplinary Studies & African Studies - Senior  
Dr. Edward Carr, Geography  

Afternoon poster presentation - Arts & Humanities  
First place  Not Your Grandma’s Knitting Circle: Fiber Arts in the New Millennium  
Hillary Hudson, Anthropology & Art History - Senior  
Dr. Drucilla Barker, Women’s and Gender Studies  

Afternoon poster presentation - Biology & Biomedical Sciences I  
First place  Characterization of Craniofacial Defects in the itchy Mouse  
Katie Harris, Exercise Science & Psychology - Senior  
Dr. Lydia Matesic, Biological Sciences  

Second place-Tie  Comparative Succination of Proteins by Endogenous Fumarate and Alkyl Fumarate Pharmaceuticals  
Allison Manuel, Exercise Science & Chemistry - Senior  
Dr. Norma Frizzell, Pharmacology Physiology and Neuroscience  

Second place-Tie  Exploration of the Peromyscus Epilepsy Genetic Model  
Susan Payne, Biological Sciences - Junior  
Dr. Gabor Szalai, Biological Sciences  

Afternoon poster presentation - Biology & Biomedical Sciences II  
First place  Identification of novel biomarkers of mercury-induced immune dysregulation in humans  
Jonathan Motts, Biological Sciences & Chemistry - Senior  
Dr. Jennifer Nyland, Pathology and Microbiology  

Afternoon poster presentation - Chemistry & Biochemistry
First place  Infrared Spectroscopy for Non-destructive Remote Detection of Latent Fingerprints
Alexis Keller, Chemistry - Senior
Emma Spencer, Chemistry - Sophomore
Emory Straub, Biological Sciences - USC
Dr. Stephen Morgan, Chemistry and Biochemistry

Afternoon poster presentation - Engineering, Computing, & Math I
First place  Modular Nano-Enabled Sorption Cartridge Design for Water Treatment
Sam Rollings, Civil Engineering - Senior
Dr. Navid Saleh, Civil and Environmental Engineering

Afternoon poster presentation - Engineering, Computing, & Math II
First place  Measurement of Mica Content in Soil Deposits using Loss on Ignition
Christopher Brown, Civil Engineering - Senior
Dr. Charles Pierce, Civil and Environmental Engineering
David Sims, Chemical Engineering & Chemistry - Senior
Dr. Vincent Van Brunt, Chemical Engineering
Honorable Mention  Sudoku and Critical Sets
Nicholas Jaamin Smith, Actuarial Mathematics and Statistics - Sophomore
Dr. Joshua Cooper, Mathematics

Afternoon poster presentation - Environmental Sciences
First place  The Application of Geometric Morphometrics in Individual Fin Identification of the Great White Shark Carcharodon carcharias
Sarah Grasty, Environmental Science & Marine Science - Senior
Dr. Joe Quattro, Biological Sciences
Second place  Phytoplankton Community Composition and Abundance in Lake Murray SC
Erin Fedewa, Marine Science - Senior
Dr. Tammi Richardson, Biological Sciences

Afternoon poster presentation - Exercise Science & Physical Education
First place  Does Resveratrol work through the NFê-â Pathway to Reduce Inflammation?
Emily Learner, Exercise Science & Psychology - Sophomore
Dr. Matthew Kostek, Exercise Science
Second place  Effect of Bright Light Therapy on Posttraumatic Stress Disorder-Related Sleep Disturbances in Military Veterans
Lauren Stogner, Biological Sciences & Chemistry - Junior
Dr. Shawn Youngstedt, Exercise Science

Afternoon poster presentation - Psychology & Neuroscience I
First place  Comparison of manipulable vs. non-manipulable nouns and verbs
Arjamand Sami, Biological Sciences & Psychology - Junior
Dr. Svetlana Shinkareva, Psychology
Second place  How do you mean? The effect of item size and frequency on set representation
Krystin Bourdua, Exercise Science & Psychology - Junior
Dr. Melanie Palomares, Psychology
Honorable Mention  Exploring the Nature of Jealousy in Romantic Relationships as Moderated by Hurt Disposition
  Abigail Mojica, Psychology & Communications - Senior; USC Aiken
  Dr. Laura May, Psychology; USC Aiken

Afternoon poster presentation - Psychology & Neuroscience II
First place  Connectivity in the Human Mirror Neuron System of Republicans and Democrats
  Jessica Burch, Chemistry & Neuroscience - Senior
  Dr. Roger Newman-Norlund, Exercise Science

Second place  Discovery of G-Protein Coupled Inward Rectifying K+ (GIRK) Channel Inhibitors and Activators
  David Shipp, Pharmacy - Senior
  Dr. Kenneth Walsh, Pharmacology Physiology and Neuroscience

Afternoon poster presentation - Social Sciences I
First place  Educating the Populace: Reaching Out to the Underserved of Columbia through Diabetes Education Programs
  Lauren Talley, Biological Sciences & English - Senior
  Dr. David Simmons, Anthropology and Health Promotion, Education and Behavior
  Dr. Kevin Elliott, Philosophy and Leadership Initiative

Second place  How to Eliminate Female Genital Cutting from Modern Society
  Meghan Conroy, Anthropology & Criminal Justice - Sophomore
  Dr. Deborah Billings, Health Promotion Education and Behavior

Afternoon poster presentation - Social Sciences II
First place  Issue Evolution and the Development of the U.S. Congress
  Bryan McDonald, Political Science & International Studies - Senior
  Dr. Charles Finocchiaro, Political Science

Second place-Tie  Hong Kong: One Country Two Economies?
  Justin Jensen, International Business & Finance - Junior
  Dr. David Hudgens, International Business

Second place-Tie  Customer Attitudes and Personal Selling
  Carley Davis, Retailing - Senior
  Dr. Jung-Hwan Kim, Retailing