15th Annual SC Upstate Research Symposium Student Awards

ORAL PRESENTATION CATEGORIES AND AWARDS

HISTORY, POLITICAL SCIENCE, & PHILOSOPHY

Jamie Caldwell, University of South Carolina Upstate
An Examination of Ethnic Fractionalization’s Impact on Regime Durability
Mentor: Dr. Matthew Placek

HUMANITIES I

Kristen Adolf, University of South Carolina Upstate
Sexual Violence and Adolescents: Ending the Stigma of Conversation
Mentor: Tasha Thomas

HUMANITIES II: FINE ARTS AND COMMUNICATION

Daniel Hudson, Lander University
The Storytelling Potential of Augmented Reality
Mentor: Dr. Lillian Craton

MATHEMATICS AND ENGINEERING

Arthur Cartwright, Clemson University
Optimization of Thermoelectric Module Subcomponent Dimensions
Mentor: Dr. Srikanth Pilla

SOCIAL SCIENCES

Shimia Hunter, University of South Carolina Upstate
Pollution on the Rise: Inequalities in Exposure to Environmental Chemical Pollution in the United States
Mentor: Dr. Calvin Odhiambo

NATURAL SCIENCES I: MOLECULAR BIOLOGY

Nuri Smith, University of South Carolina Upstate
Excess vitamin B12 and expression of MECP2, DNMT1, DNMT3A, DNMT3B
Mentor: Dr. Kimberly Shorter

NATURAL SCIENCES II: ENVIRONMENTAL BIOLOGY

Alexis Clark, Presbyterian College
The effects of urbanization as a proxy for climate change on the dendroclimatic signal of White oak (Quercus alba) in the upstate of South Carolina
Mentor: Dr. Michael Rischbieter
**FINE ARTS & HUMANITIES**

Danielle Jago, University of South Carolina Upstate  
“He Would Know for Sure That He Possessed Her Absolutely”: The Problem of Point of View in Orhan Pamuk’s Snow  
Mentor: Dr. Richard Murphy

**MATH & COMPUTER SCIENCE**

Lee Phillips & Quinton Amick, Lander University  
Predicting College Students’ Next Year: A Machine Learning Approach  
Mentor: Dr. Gilliean Lee

**NATURAL SCIENCES**

*Tie Between:*

Melissa Lech & Jessica Cuadra, University of South Carolina Upstate  
Developing methods for the synthesis of bacteriochlorin-glycoconjugates  
Mentor: Dr. Joshua Ruppel

Nicole Rogers, University of South Carolina Upstate  
Effect of miR-718 on the PI3K/AKT/MTOR pathway and dendritic spine counts in SHSY5Y cells  
Mentor: Dr. Kimberly Shorter

**NURSING & HEALTHCARE**

Michelle Landge, USC Upstate Greenville Campus  
The Use of Palliative Care to Enhance Quality of Life  
Mentor: Dr. Dawn Henderson

**SOCIAL SCIENCES**

*Tie Between:*

Mia Gonzalez, University of South Carolina Upstate  
Effects of PTSD in Relation to Taking FMLA Leave  
Mentor: Dr. Jan Griffin

Leah McNeil, Presbyterian College  
Does Perceived Parenting Affect Behavioral Conduct in CHAMPS Students?  
Mentor: Dr. Brooke Spatta