

# 14th Annual SC Upstate Research Symposium Student Awards

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## Oral Presentation Categories and Awardees

### **BUSINESS AND POLITICS:**

**Katie Bishop**, Presbyterian College  
*The IRS & Taxes: A System Americans Love to Hate*  
Mentor: Dr. Karen Mattison

### **EDUCATION AND SERVICE LEARNING:**

**Kassie Franck**, Wofford College  
*The Effectiveness of Boss' Healthy Buddies Nutritional Program in Elementary School Students*  
Mentor: Dr. David Pittman

### **FINE ARTS, PHILOSOPHY AND CULTURE:**

#### ***TIE BETWEEN:***

**Julie Woodson**, Wofford College  
*Finding Independence in Education: The Artistic Journey of Julia Elizabeth Tolbert*  
Mentor: Dr. Karen Goodchild

**Michal Busbee**, Wofford College  
*Mural Art for a Community: exploring the Chicano Mural movement in Texas*  
Mentor: Dr. Karen Goodchild

### **ENGLISH, LINGUISTICS AND HISTORY:**

**Savannah Tranter**, Greenville Technical College  
*Women's Role in the French and Russian Revolutions*  
Mentor: Dr. Lee McAbee

### **NATURAL SCIENCES:**

**Kip Callahan**, University of South Carolina Upstate  
*Mercury & Cs-137 concentrations among tissues of Nerodia floridana inhabiting former nuclear reactor cooling reservoirs*  
Mentor: Dr. Melissa Pilgrim

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## Poster Presentation Categories and Awards

### BIOINFORMATICS & HEALTH SCIENCES: Undergraduate

**Suzie Pace**, Lander University

*Developing a Model System to Measure the Effectiveness of Transdermal Transportation of Nutrients*

Mentor: Dr. Timothy Maze

### BIOINFORMATICS & HEALTH SCIENCES: Graduate

**Mona Maharjan**, Claflin University

*Determination of Biomarkers for Diagnosis of Lung Cancer using Cytoscape-based GO Analysis*

Mentor: Dr. Kamal Chowdhury

### FINE ARTS & SOCIAL SCIENCES:

**Mary Norris**, University of South Carolina Upstate

*John Coltrane's Modal Jazz: An Analysis of "After the Rain"*

Mentor: Dr. Nolan Stolz

### BIOLOGY & PHYSIOLOGY:

#### *TIE AMONG:*

**Daniel Clark**, University of South Carolina Upstate

*Does a 10x folic acid dose affect gene expression of chromatin modifying enzymes in human neurons with a gene knockdown of MTHFR?*

Mentor: Dr. Kimberly Shorter

**Blair Harmon**, Lander University

*The Effects of Caffeine on HNK1 and CYP1A2 Expression in Brains of Developing Chick Embryos*

Mentor: Dr. Jennifer Maze

**Rachael Schmelz**, University of South Carolina Upstate

*Does high folic acid alongside a gene knockdown of MTHFR induce histone modifications and altered neurobiology in a human neuronal cell line?*

Mentor: Dr. Kimberly Shorter

### CHEMISTRY & ENVIRONMENTAL SCIENCE:

**Mary Lacombe**, Lander University

*Lead Analysis of Drinking Water at a South Carolina University*

Mentor: Dr. Albert Dukes, III