17th Annual SC Upstate Research Symposium Student Awards

ORAL PRESENTATION CATEGORIES AND AWARDS

**EXERCISE SCIENCE – UNDERGRADUATE**
Luca Ziegler, Presbyterian College
*Grit and its Relationship with Athletic Performance in Female Collegiate Athletes*
Mentor: Drew Brandel

**FINE ARTS – UNDERGRADUATE**
Jack Hines, Greenville Technical College
*Mark V: Greenville’s “Sound of the South” Studio*
Mentor: Thomas Takayama

**HEALTH SCIENCES – UNDERGRADUATE**
Shelby Rader, University of South Carolina Columbia
*Controlling What We Can - Identifying Barriers to Diabetes Care Associated with COVID-19 in a Low SES Diabetic Patient Population*
Mentor: Melanie Cozad

**HEALTH SCIENCES – GRADUATE STUDENT**
Jasmine Cash, Medical University of South Carolina
*Lower Extremity Responses to Transcranial Magnetic Stimulation Post-Stroke*
Mentor: Mark Bowden

**MATHEMATICS, COMPUTER SCIENCE, & INFORMATICS – UNDERGRADUATE**
Scott Gangloff, Lander University
*Predicting Student Retention Using Machine Learning*
Mentor: Gilliean Lee

**NATURAL SCIENCES I: ANIMAL BEHAVIOR – UNDERGRADUATE**
Zachery Woods, Lander University
*Do Deer Dilly Dally in the Day? Determining White-tailed Deer Diel Activity in Response to Warming Weather*
Mentor: Emily Prince

**NATURAL SCIENCES II: ENVIRONMENTAL SCIENCE – UNDERGRADUATE**
Jaden Yam, Presbyterian College
*Paleopalynology of the Eocene/Oligocene Transition in the White River Badlands of Wyoming*
Mentor: Michael Rischbieter

**SOCIAL SCIENCES - UNDERGRADUATE**

*Tie Between*

Thomas Powell, Lander University
*Fighting the Fires of Injustice: Why Nonviolence is the Best Solution*
Mentor: Ashley Woodiwiss

*And*

Griffin Thompson, Spartanburg Community College
*Addressing Health Barriers for the Latinx Community in Spartanburg, SC*
Mentor: Araceli Hernandez-Laroche
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POSTER PRESENTATION CATEGORIES AND AWARDS

EDUCATION & INFORMATION LITERACY – UNDERGRADUATE
Aradaryn Singleton, Southern Wesleyan University
Undergraduate Anatomy & Physiology Student Definitions of Learning
Mentor: Staci Johnson

EDUCATION & INFORMATION LITERACY – GRADUATE
Annabelle Martin, Converse College
Examining the Soft Skills Deficit: The Importance of Related Arts Education in Social Emotional Learning
Mentor: Patricia Foy

HEALTH SCIENCES – GRADUATE
Emily-Rose Zhou, University of South Carolina School of Medicine Greenville
Accurate Diagnosis of B Cell ALL Mutations Using Karyotyping and Fluorescence In-situ Hybridization (FISH) in Adolescent/Young Adult and Adult Populations
Mentor: Christine Schammel

MEDICAL CASE ASSESSMENTS – GRADUATE

Tie Between:
Rachel Hall, University of South Carolina School of Medicine Greenville
Multiple Myeloma with Neutrophilia: 2 Case Reports and Literature Review
Mentor: Jenny Knight
AND

Campbell Hathaway, University of South Carolina School of Medicine Greenville
Aspergillus Otomycosis in a Young Immunocompetent Woman
Mentor: Steven Fiester

MOLECULAR BIOLOGY – UNDERGRADUATE
Tina Fadel, University of South Carolina Upstate
Does Vitamin B12 Affect Gene Expression in a Human Neuronal Cell Line?
Mentor: Kimberly Shorter

NATURAL & HEALTH SCIENCES – UNDERGRADUATE
Shelton Laney, Wofford College
Winner Take All: Male Field crickets with Better Jump Performance are also Better Fighters
Mentor: Jeremy Morris

SOCIAL SCIENCES – UNDERGRADUATE
Kat Tran, University of South Carolina Upstate
Gone Viral: How Belief in QAnon Affects Adherence to Preventive Behaviors and Vaccine Intentions for COVID-19
Mentor: Justin Travis