

13TH ANNUAL SC UPSTATE RESEARCH SYMPOSIUM STUDENT AWARDS

ORAL PRESENTATION CATEGORIES & AWARDEES

COMMERCIAL MUSIC:

MARY NORRIS, University of South Carolina Upstate
"You Really Got Me": A Heavy Metal Prototype
Mentor: Dr. Nolan Stolz

HEALTH SCIENCES:

CIARA STEELE, Converse College
A 1st Generation Amperometric Biosensor for the Detection of Clinically Relevant Molecules
Mentor: Dr. William Case

HISTORY AND CULTURE:

AUDREY PELICANO, Greenville Technical College
The Hidden Languages of World War II: A Study in the German Enigma and American Navajo Codes
Mentor: Dr. Lee McAbee

MATHEMATICS AND COMPUTER SCIENCE:

HOWIE JORDAN, University of South Carolina Upstate
Toward Foundations for a Formal Theory of Numeral Systems
Mentor: Dr. David Marlow

NATURAL SCIENCES:

TIE BETWEEN:

JINYOUNG KIM, University of South Carolina Upstate
Microbial Contamination on Touch Surfaces in Pediatric Outpatient Facilities
Mentor: Dr. Ginny Webb

REAGEN WELCH, Southern Wesleyan University
Moringa oleifera Leaf Extract and its Cancer-Selective Antiproliferative Properties
Mentor: Dr. Ashlee Tietje

SERVICE LEARNING:

CHANNON REID, University of South Carolina Upstate
Serving Internationally: Spanish, Education, & Altruism
Mentor: Dr. David Marlow

SOCIAL SCIENCES:

ERIN CROSS, Southern Wesleyan University
The Effect of Gun Maintenance on Bullet Striations through Successive Firings
Mentor: Dr. James McDonald

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POSTER PRESENTATION CATEGORIES & AWARDEES

COMPUTER SCIENCE:

TIE BETWEEN:

PAUL CUENIN & KAMREN MANGRUM, Lander University
Development of System Dynamics Modeling and Simulation Software: DSSIM 2.0
Mentor: Dr. Gilliean Lee

DANIEL PUCKETT, University of South Carolina Upstate
Variability in Research Findings on the Effectiveness of Test Suites
Mentor: Dr. Amanda Schwartz

ENVIRONMENTAL SCIENCE

KRISTEN PEAGLER, Presbyterian University
Ecotoxicological Impact of the Ionophore Narasin on the Gonadal Profile of the Southern Leopard Frog
Mentor: Dr. Amanda Schwartz

HEALTH SCIENCES:

CALEB DALTON HAGEN, Lander University
The Effect of β -Methylamino-L-alanine on Brain Development of Chicken Embryos and its Possible Role in the Induction of Alzheimer's Disease
Mentor: Dr. Jennifer Maze

HUMANITIES:

KENDALL HENDERSON, University of South Carolina Upstate
Making a Novel: A Conversation
Mentor: Dr. Thomas McConnell

NATURAL SCIENCES - BIOLOGY:

TIE BETWEEN:

SUZIE PACE, Lander University
The Role of Leptin, mTOR, and Kisspeptin in Activating GnRH Neurons during the Pubertal Transition in Female Rats
Mentor: Dr. Timothy Pace

VLADISLAV REZNICHENKO, University of South Carolina Upstate
Evolutionary Divergence in Herkogamy among Yellow-Flowered Linum
Mentor: Dr. Ben Montgomery

NATURAL SCIENCES - CHEMISTRY:

TIE BETWEEN:

DUSTIN HARMON, University of South Carolina Upstate
Degradation of Dimethyl-Trisulfide using Slow Releasing Manganese Oxide Coated Potassium Permanganate Particles
Mentor: Dr. Anselm Omoike

LORI SMITH, Lander University
Hybrid Organic-Inorganic Epoxy/Polyhedral Oligomeric Silsesquioxane Nanocomposites Reinforced with Functionalized Multi-Walled Carbon Nanotubes
Mentor: Dr. K. Lisa Brodhacker

PSYCHOLOGY:

HAYLEE BATSON, University of South Carolina Upstate
Implicit and Explicit Measures of Bias toward Disabled Persons in the Workplace
Mentor: Dr. Stefanie Keen