

16th A&S Summit for
Undergraduate Research,
Scholarship, and Creative Activity
(URSCA)

Moody Music Hall, April 12, 2019



Oral Presentation Winners

Oral Presentations – Humanities & Fine Arts

1st Place, Dr. Laura Busenlehner Award, \$500 total

MOLLY BUFFINGTON

Department: Modern Languages and Classics

Faculty Mentor: Kirk Summers

(Modern Languages and Classics)

A War of Words: The Lutheran-Calvinist Debate on Acts 3:21 and the Eucharist

2nd Place, \$300 total

SOFIA DE FARIA

Department: Religious Studies

Faculty Mentor: Theodore Trost

(Religious Studies)

Doctrine, Practice, & Hispanic Catholics in the South: A Preliminary Investigation

3rd Place, \$200 total

GRAY WOOD

Department: Modern Languages and Classics

Faculty Mentor: Kelly Shannon-Henderson

A Study of Deified Roman Emperors' Titles in Roman Literature

4th Place, \$100 total

JACOB INGLIS

Department: Political Science

Faculty Mentor: Steven Ramey

(Religious Studies)

National Identity and the Construction of National Groups in the South Korean Public Sphere

Oral Presentations – Natural Sciences & Mathematics

1st Place, Dr. Laura Busenlehner Award, \$500 total

HOPE BURNHAM

Department: Chemistry

Faculty Mentors: Shane Street (Chemistry)

David Dixon (Chemistry)

A Phase-Changing Borane Containing Fuel

2nd Place, \$300 total

LAUREN HARPER

Department: Biological Sciences

Faculty Mentor: Stanislava Chtarbanova

(Biological Sciences)

Investigation of NF-KB pathways following brain infection in Drosophila

3rd Place, \$200 total

TYLER MORGAN

Department: Chemistry

Faculty Mentor: Silas Blackstock (Chemistry)

Effects of ortho-fluorination on

bis-(azobenzene)amine molecular switching

4th Place, \$100 total

GARRISON HUGHES

Department: Biological Sciences

Faculty Mentor: Stepher Secor

(Biological Sciences)

After 100 million years of carnivory, snakes can still regulate blood glucose

Honorable Mentions:

KYLE MAAS

Department: Biological Sciences

Faculty Mentor: Ryan Earley

(Biological Sciences)

*Embryonic Exposure to Endocrine Disrupting Compounds: Behavioral and Physiological Consequences in Mangrove Rivulus Fish, *Kryptolebias marmoratus**

ASHLEY EBERLY

Department: Chemistry

Faculty Mentor: David Dixon (Chemistry)

Predicting the Properties and Covalency of High Oxidation State $An(OH)_x$ Complexes

Oral Presentations – Social Sciences

1st Place, Dr. Laura Busenlehner Award, \$500 total

MATHEW CIESLA

Department: New College

Faculty Mentor: Spyridoula Cheimariou
(Communicative Disorders)

Lexico-Semantic Integration in Late, Elementary English-Spanish Bilinguals: An N400 Study.

2nd Place, \$300 total

JASON CASTILLO

Department: Political Science

Faculty Mentor: Richard Fording (Political Science)

The Effects of Insurer Competition on Healthcare Premiums

3rd Place, \$200 total

MARGARET LAWSON

Department: History

Faculty Mentor: John Giggie (History)

Mississippi Memories: The Legacy of Lynching in Hinds County, 1880 to 1934

4th Place, \$100 total

BOWEN GISSENDANER

Department: Religious Studies

Faculty Mentor: Steven Ramey (Religious Studies)

Han, Hui, and Uyghur: Ethnic Conflicts in the Chinese West

Poster Presentation Winners

Poster Presentations – Humanities & Fine Arts

1st Place, Dr. Laura Busenlehner Award, \$500 total

MARY GARRISON, Department: History

Faculty Mentor: John Giggle (History) *The Cartography of Southern Queerness*

2nd Place, \$300 total

LINDSEY HOWARD

Department: Theatre and Dance

Faculty Mentor: Sarah Barry (Theatre and Dance) *"IRL"- Dance at the Fringe*

3rd Place, \$200 total

OLIVIA WYATT

Department: History

Faculty Mentor: Heather Kopelson (History) *Exchange of Medical Knowledge in the British Colonies During the Early 18th Century*

4th Place, \$100 total

ABIGAYLE WILLIAMS

Department: Music

Faculty Mentor: Andrew Minear (Music)

The Effectiveness of Kinesthetic-Visual Exercises on the Expressivity, Accuracy, and Enjoyment of Singers in the Choral Rehearsal

Poster Presentations – Natural Science & Mathematics

1st Place, Dr. Laura Busenlehner Award, \$500 total

ABBIE RUESY

RYAN O'ROURKE

Department: Biological Sciences and Psychology

Faculty Mentor: Laura Reed (Biological Sciences)

The Influence of Natural Diet and Microbiota Community on Metabolic Phenotype of Drosophila melanogaster

2nd Place, \$300 total

RYAN PARTAIN

Department: Biological Sciences

Faculty Mentor: Kevin Kocot (Biological Sciences)

Using microscopy and histology to describe a novel species of Wirenia (Mollusca, Aplacophora) from New Zealand.

3rd Place, \$200 total

MADELINE VAJI

Department: Biological Sciences

Faculty Mentor: Kim Caldwell (Biological Sciences)

Guy Caldwell (Biological Sciences)

Investigating ApoE-associated regulation of neuroprotection and survival from A β -mediated neurodegeneration in transgenic Caenorhabditis elegans.

4th Place, \$100 total

CARTER BURTON

MALLORY MAZA

Department: Biological Sciences

Faculty Mentor: Katrina Ramonell

(Biological Sciences)

Influence of ATL9 Protein Expression on Fungal Infection of Arabidopsis

Poster Presentations – Social Sciences

1st Place, Dr. Laura Busenlehner Award, \$500 total

ALYSSA DICK

Department: Psychology

Faculty Mentor: Joan Barth (Psychology)

He STEM, She STEM: Exploring Gender Differences in Academic Motivation for High Achieving Students

2nd Place, \$300 total

ABIGAIL KAPPELMAN

Department: Anthropology

Faculty Mentor: Jason DeCaro (Anthropology)

Morbidity and Mortality in the United States: How Inequality Produces Health Disparities

3rd Place, \$200 total

KYLIE SURGOT

Department: Anthropology

Faculty Mentor: William DeVoe (Anthropology)

Keith Jacobi (Anthropology)

Assessing Handedness and Individual Finger Dominance Between the Archaic and Mississippian Components of the Perry Site (1Lu25) from the Middle Tennessee River Valley of North Alabama

4th Place, \$100 total

OLIVIA RUSH

ASHLYN COATS

ANNA PEEPLES

Department: Communicative Disorders

Faculty Mentor: Memorie Gosa

(Communicative Disorders)

Correlations Between Manufacturer's Stages and IDDSI Levels for Commercially Available Baby Food