

TRUMAN STATE UNIVERSITY

2016

TRUSCHOLARS RESEARCH SYMPOSIUM

Saturday, August 27, 2016

Georgian Rooms, Student Union

8:25 - Opening remarks

Dr. Chad Montgomery, Director for the Office of Student Research

ORAL PRESENTATIONS

SESSION I 8:30 – 9:30 AM

8:30 - "The Modern Music and Liturgy of Monasteries"

Amelia McElveen

Faculty Mentor: Dr. Marc Rice

8:45 - "Cyanobacteria Presence in Lake Nicaragua"

Stephanie Francis

Faculty Mentor: Dr. LaRoy Brandt/Dr. Laura Fielden

9:00 - "Determining the Function of Microtubules During Development of *C. elegans* Using RNAi"

Dakota Hall

Faculty Mentor: Dr. Stephanie Maiden

9:15 "Use of Pheromones to Increase Trap Efficiency and Acetaminophen as an Oral Toxicant for Controlling the Invasive California Kingsnake (*Lampropeltis getula*) in Gran Canaria, Canary Islands, Spain"

Jake Friebohle

Faculty Mentor: Dr. Chad Montgomery

BREAK 9:30 AM – 9:45 AM

SESSION II 9:45 AM – 10:45 AM

9:45 - "Change in Internal Strengths/External Supports and Work-Related Soft Skills of Youth with Developmental Disabilities Attending a Self-advocacy Summer-Camp Program".

Shayda Afrassiab

Faculty Mentor: Dr. Carolyn Cox

10:00 - "The Effects of Relaxation on Neural and Cognitive Functioning"

Derek Bischof

Faculty Mentor: Dr. Ashley Ramsey

10:15 - "Comparison of Small Mammal Diversity and Abundance in Wet and Dry Tropical Forests"

Noah Harnacke

Faculty Mentor: Dr. LaRoy Brandt/Dr. Laura Fielden

10:30 - "Modeling Counselors' Attitudes toward Inclusion"

Zachary Meehan

Faculty Mentor: Dr. Jeffrey Vittengl

BREAK 10:45 AM -11:00 AM

SESSION III 11:00 AM – 12:00

11:00 - "Development of Extended Technique in Western Classical Music"

Nicholas Gragg

Faculty Mentor: Dr. Jay Bulen

11:15 - "Butterfly Diversity of Nicaragua and Costa Rica"

Douglas Stubbs

Faculty Mentor: Dr. LaRoy Brandt/Dr. Laura Fielden

11:30 - "Translation of the *Compendio delos Boticarios*."

Chelsea Firra

Faculty Mentor: Dr. Matthew Tornatore

11:45 - "Differential Expression of Alcohol Dehydrogenase I (ADH1) in UV irradiated *Saccharomyces cerevisiae*"

Allen Bitzer

Faculty Mentor: Dr. Carolina Sempertegui-Sosa

LUNCH 12:00 – 1:00 PM

CLOSING IN OPHELIA PARISH

POSTER SESSION AND PHOTOGRAPHY PRESENTATION

1:00 PM

POSTER SESSION

"Investigating Modulators of the Protein kinase R-like ER kinase (PERK) Pathway of the ER Stress Response"

Louis Darkwa

Faculty Mentor: Dr. Stephanie Fore

"Effects of dietary probiotics on cattle growth performance and stress behavior"

Alexis Kelsey

Faculty Mentor: Dr. Jessica Colpoys

"Investigation of Mismatch Base Pairing in DNA Polymerase I"

Andrew Yeager – Paradox Scholar

Faculty Mentor: Dr. Bill Miller

PHOTOGRAPHY EXHIBIT

"In Light of Space"

Lena Leuci

Faculty Mentor: Priya Kambli