

TRUMAN STATE UNIVERSITY
2014 SUMMER RESEARCH SYMPOSIUM
Saturday, August 23, 2014
Georgian Rooms, Student Union Building

Opening Remarks

Chad Montgomery, Director, Office of Student Research

SESSION I 8:30 – 9:45 AM

8:30 – 8:45 Bonum ubi, ibi regnum: An Examination of the Buen Vivir in the context of Leonardo Boff's Liberation Theology

Samuel Walk

Faculty Mentor: Marc Becker

8:45 – 9:00 Light Curves for Beta Lyrae and other eclipsing binaries

Orion Guan

Mentor: Vayujeet Gokhale

9:00 – 9:15 Habitable Zones and Planet Formation Probabilities in Nearby Star Systems

Tyler Gardner

Mentor: Vayujeet Gokhale

9:15 – 9:30 The Effect of Habitat Management on Reptile Communities

Michael Essmyer

Mentor: Chad Montgomery

9:30 – 9:45 Reproductive Characteristics of *A. Tesselata* in Palo Duro Canyon State Park

Ian Oiler

Mentor: Chad Montgomery

BREAK 9:45 – 9:55 AM

SESSION II 9:55 – 10:55 AM

9:55 – 10:10 The Development and Influence of Jazz Education in Heartland America: 1970s to 2014

Joel Gordon

Mentor: Marc Becker

10:10 – 10:25 Measuring Mammal Species Richness in Two Different Forest Types in Central America

Jacob Kaiser

Mentor: LaRoy Brandt

10:25 – 10:40 Cost Systems & Performance Measurement

Jodi Dunivent

Mentor: Kathy Otero

10:40 – 10:55 Evaluation of Titanium Dioxide as a Digestibility Marker for Horses

Elizabeth Miller

Mentor: Kelly Walter

BREAK 10:55 – 11:05 AM

SESSION III 11:05 AM – 12:05 PM

11:05 – 11:20 Secessionist Conflict and Decentralization

Laknath Gunathilake

Mentor: John Quinn

11:20 – 11:35 Attitudes toward Healthcare Teamwork Between Osteopathic Physicians who Participated as Medical Students in an Interprofessional Education Program and Those Who Did Not

Alexis Hackett

Mentor: Carol Cox

11:35 – 11:50 Attitudes Toward Gender Roles as a Function of Relationship Self-identification: Queer versus Straight

Sarah Bussen

Mentor: Sherri Palmer

11:50 – 12:05 The Effect of Differing Macronutrients on Academic Metrics, Satiety, and Lunchtime Caloric Intake in Preadolescents

William Quarles

Mentor: Brian Snyder

POSTER SESSION 12:05 – 12:35 PM

Modeling the Number of Larval Dermacentor Variabilis on Peromyscus Leucopus

Hailey Cahill

Mentors: Hyun Joo Kim and Stephanie Foré

Functional Asymmetry of the Lower Limbs in Three Motor Tasks

Trudi Gatteys

Mentor: Adam King

Evaluation of Stream Health in Tropical Forests of Costa Rica and Nicaragua

Bing Zheng

Mentor: LaRoy Brandt

Input in Foreign Language Pedagogy: an Essential Tool for Authentic Acquisition

Jacob Fling

Mentor: Carol Marshall

Molecular Bacterial Pathogens Detection in Adult *Amblyomma americanum*, *Dermacentor variabilis*, and *Ixodes scapularis* of Northeast Missouri

Megan Connolly, Daniel Romine, and Jacob Schrier

Mentor: Carolina Sempertegui-Sosa

Determination of Hexavalent Chromium in Water Using Paper-Based Microfluidics

Kallie Hilsabeck

Mentor: Russell Baughman

Closing Remarks

Chad Montgomery, Director, Office of Student Research

LUNCH - 12:35

