Session 1: Engineering and Robotics  
Room 118, 8:45 – 12:00

1st  
CNC Fabric Cutting Device  
John Neal Walton*, Adam Marshall, Joel Lenoir‡

Honorable Mention  
Determining Standard Stars for Use in Optical Variability Monitoring  
Jeremy D. Maune*, Michael Carini‡

Honorable Mention  
Washing Machine Transmission Redesign for MTD  
Joshua Anthony Petrino*, Juan Figueroa, Joel Lenoir‡

Session 2: Chemistry and Geology  
Room 232, 8:30 – 11:00

1st  
Factors Affecting the Rate of Reaction of Platinum Anticancer Drug Models with DNA and Protein Targets  
Becca M. Davis-Sandlin*, Kevin Williams‡

Honorable Mention  
Toward Creating Nanoscale Patterns for General Protein Sensors  
Winston Maupin*, Stuart Burris‡

Honorable Mention  
Anionic Exchange Membrane with Surfactant Immobilization for Extraction of Doxepin  
Jason James Weiner*, Shi-Ming Hong, Shing-Yi Suen, Eric Conte‡

Session 4: (Graduate) Psychology, Communications, Public Health, and Religious Studies  
Room 344, 8:45 – 12:00

1st  
The Collegiality Climate Scale (CCS): A Psychometric Investigation  
Christopher Charles Brady*, Kathi Miner-Rubino‡

Honorable Mention  
Dishonorable Treatment: Workplace Incivility and Cultures of Honor  
Matthew Scott Kelley*, Kathi Miner-Rubino‡

Honorable Mention  
Aging and the Perception of Slant From Patterns of Optical Texture  
Charles E. Crabtree*, J. Farley Norman‡
Session 5: Psychology and Education  
Room 232, 11:15 – 12:00, 2:30 – 3:15

1st
Aging and the Revision of Causal Beliefs  
Anthony Ray Atchley*, Sharon Mutter‡

Honorable Mention
Perception of Purpose on Course Evaluations and the Effect on Responses  
Andrew Jefferson Caudill*, Steven Wininger‡

Honorable Mention
Examination of Future Time Perspective, Self-Determination Theory, and Self-Talk as Correlates of Exercise Behavior  
Thomas Marvin DeSena*, Steven Wininger‡

Session 6: Biology  
Room 118, 2:30 – 5:30

1st
Testing the Linear Threshold Shift Hypothesis in Tone-Exposed Goldfish  
Ronald Reagan Gilley**, Michael Smith‡

Honorable Mention
Sound Production on Loricariid Catfish  
Amanda Lynn Webb**, Michael Smith‡

Honorable Mention
RNA Interference Gene Silencing to Study the Circadian Clock in Chlamydomonas reinhardtii  
Matthew Clifton Young*, Sigrid Jacobshagen‡

Session 7: Religious Studies, Philosophy, and Anthropology  
Room 232, 3:30 – 5:45

1st
Who Do You Say That I Am? Analyzing African Christology  
Kathleen Elisabeth Smallwood*, Bella Mukonyora‡

Honorable Mention
A Comparison of Heroes  
Jesse Taylor Alexander IV*, Joseph L. Trafton‡

Honorable Mention
Critique of Cultural Influence on Biomedicine  
Brandi Nicole Sullivan*, Ted Hovet‡
### Session 8: English, History, and Art History

**Room 236, 2:45 – 5:30**

**1st**

*From Hillbilly Heaven to Music City USA: The Transformation of Downtown Nashville’s Country Music Scene*
Blake William Jones*, Eric Reed‡

**Honorable Mention**

*Synthesizing Gauguin: A Comparative Look at Cultural Contexts and Gaugin’s Tahitian Works*
Joanna Justine Miller**, Heather Pulliam‡

**Honorable Mention**

*Children’s Literature of the Victorian Age and the Modern Era*
Alex Gregory Hall*, Sandra Hughes‡

### Session 9: (Graduate) Biology, Chemistry, Computer Science, Geography & Geology

**Room 344, 2:30 – 5:30**

**1st**

*Spatio-Temporal Variations of Observed Soil Moisture in Nebraska*
Ashley Littell**, Rezaul Mahmood‡

**Honorable Mention**

*Effects of Body Condition Score on Blood Glucose and Insulin Concentration of Grazing Horses*
Ashley Elizabeth Monfort*, Charles Anderson‡, Elmer Gray‡

**Honorable Mention**

*Impact Property of Rubber Toughened Plastic*
Ganesh Latta*, Wei-Ping Pan‡
Undergraduate Posters I Biology, Chemistry, Engineering, Geography

1st  
Tonotopic Representation in the Goldfish Saccule  
Brian D. Rogers, Michael Smith

Honorable Mention  
Constructing Single-Copy Antitermination Reporter Gene Constructs by Recombineering  
Andrew Joseph Ebelhar, Rodney King

Honorable Mention  
Quantum Dots Sensitized Nanoscale Solar Cells  
Jordan Norris, Tingying Zeng

Undergraduate Posters II Psychology, Recreation, Student Engagement

1st  
Differences in Attentional Focus Across Gender, Distance, and Stroke in Collegiate Swimmers  
Laura Marie Graves, Steven Wininger

Honorable Mention  
Difference in Patterns of Collaborative Inhibition  
Brittany Sears, Marty Bink

Honorable Mention  
Motor Interference on Memory Tasks  
Nicholas Terry, Marty Bink

Undergraduate Posters III Art, Graphic Design

1st  
WW2 Propaganda Series  
Greg Roy, Matthew Tullis

Honorable Mention  
In/Dwelling  
Megan J. Kelley, Yvonne Petkus

Honorable Mention  
Three Famous Designers  
Aaron Hamilton Upton, Matthew Tullis

Graduate Posters Chemistry, Genetics, Geography, Nursing, Psychology

1st  
Synthesis of Cyclopenta[e]thiophenes via Activated Methylene  
Vineet Karambelkar, Chad Snyder

Honorable Mention  
Statistical Studies of the Human Sex Ratio (HSR)  
Archana Lakkaraju, Elmer Gray

Honorable Mention  
Aging and the Depth of Binocular Rivalry Suppression  
Kristina Fugitte Pattison, J. Farley Norman