



2017  
STUDENT RESEARCH AND  
CREATIVE ACTIVITY FAIR

# AWARD WINNERS

## UNDERGRADUATE

## ORAL PRESENTATIONS

### BEST

ROLAND BUCHTA

Foreign Language and Literature

*"Twenty First Century Representations of Albert Camus's L'Hote"*

Advisor: Patrice Proulx

### OUTSTANDING

ABI HELLER

Neuroscience

*"Brain Networks Related to Loneliness in Adolescents"*

Advisor: Janelle Beadle

### MERITORIOUS

HARIM WON

Biotechnology

*"Binding of a Hypothetical Transcription Factor Drives Stage Conversion in Toxoplasma gondii"*

Advisor: Paul Davis

### HONORABLE MENTION

JESSICA WILSON

Mathematics - Teachers of Math

*"Effects of Inquiry Based Learning on an Undergraduate Precalculus Course"*

Advisor: Michael Matthews





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## POSTER PRESENTATIONS

### BEST

JORDAN FREEMAN

Physical Education

*"An investigation into the correlation between step width variability and balance deficits in patients with chronic obstructive pulmonary disease"*

Advisor: Jenna Yentes

### OUTSTANDING

DEVIN CHRISTENSEN

Environmental Science

*"Microflora in the cheek pouches of Ord's kangaroo rat (*Dipodomys ordii*) from the Nebraska Sandhills"*

Advisor: James Wilson

### MERITORIOUS

SKYLAR MULLER

Biology

*"Behavior of Zoo Visitors and their Attitudes Towards Zoo Animals"*

Advisor: Rosemary Strasser

### HONORABLE MENTION

GOODMOND DANIELSEN

Biology

*"Taxonomic Placement of the Nidulariaceae of Nebraska and Iowa Based on Molecular and Morphological Data"*

Advisor: P. Roxanne Kellar





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#### BEST

MADALYN McFARLAND

Biology

*“Investigation of mechanism of resistance in early lead anti-Toxoplasma compounds”*

Advisor: Paul Davis

#### OUTSTANDING

AYAN DUTTA

Computer Science

*“Locomotion Learning in Modular Self-Reconfigurable Robots”*

Advisor: Prithviraj Dasgupta

#### MERITORIOUS

SHARON GENOWAYS

Educational Leadership

*“The Experiences of Female High School Students and Interest in STEM: What Factors Lead to the Selection of an Engineering or Computer Science Major”*

Advisor: Neal Grandgenett

#### HONORABLE MENTION

NICOLE DAMEN

Management Information Systems

*“Pilot Study: Understanding the Role of Agent Gender and Location on User Perceptions of Trust in Home Automation”*

Advisor: Christine Toh





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SARAH CARP

Psychology

*“Partner Preference and Dopaminergic Regulation of Pair Behavior in Marmoset Monkeys”*

Advisor: Jeffrey French

#### OUTSTANDING

CANDI SENIOR-REMSA

Biology

*“Functional Genetics of MIND-MELD in Drosophila Melangaster”*

Advisor: Bruce Chase

#### MERITORIOUS

ROBERT BARBER

Biomechanics

*“Comparison of Balance Between a Smoker and a Never-Smoker”*

Advisor: Jenna Yentes

#### HONORABLE MENTION

SARAH BAKER

Biomechanics

*“Gait biomechanics in patients with peripheral artery disease after revascularization”*

Advisor: Sara Myers

