

2017 CNAS Undergraduate Research Day Winners



Biology: Ecology, Wildlife and Conservation

(l to r) Katy, Dr. Mathis, Kenzie

1st Place: Kenzie Medley

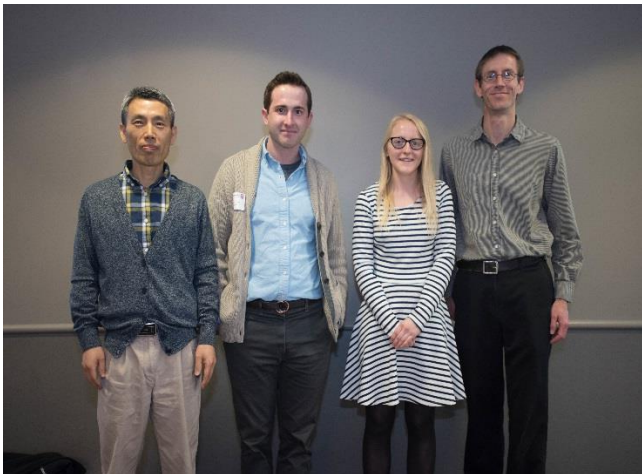
“When territorial salamanders cheat: A test of the dear enemy phenomenon in southern red-backed salamanders”

Faculty advisor: Dr. Alicia Mathis

2nd Place: Katy Gardner

“Response to conspecific alarm cues by ambystoma salamander larvae”

Faculty advisor: Dr. Alicia Mathis



Biology: Cellular, Microbiology and Genetics

(l to r) Dr. Lupfer, Abbe, Jared, Dr. Kim

1st Place: Abbigale Mabary

“Generation of yeast 2-hybrid clones to examine the role of nucleotide oligomerization and binding domain (nod)-like receptors”

Faculty advisor: Dr. Christopher Lupfer

2nd Place: Jared Smothers

“Dynamic dynamin interacts with the tether garp”

Faculty advisor: Dr. Kyoungtae Kim



Chemistry

(l to r) Brennon, Katee, Amber, Dr. Yoshimatsu

1st Place: Amber Zurliene, Katee Moore, Kendra Larsen
“Recombinant expression of Pfu DNA polymerase in E. coli”
Faculty advisor: Dr. Keiichi Yoshimatsu

2nd Place: Brennon Foster
“Trafficking of fluorescently labeled g-wire DNA in human cervical cancer cells”
Faculty advisor: Dr. Katye Fichter



Computer Science

(l to r) Radeeb, Robert, Ryan, Jeff, Andrew, Dr. Iqbal, Mark, Jiangfeng, Tara, Brent, Roman

1st Place: Jeff Dale, Radeeb Bashir, Robert Norton, Jiangfeng Pian, Roman Wisdom
“Automated insect detection and identification system”
Faculty advisor: Dr. Razib Iqbal

2nd Place: Mark Godsy, Ryan Jenkins, Andrew Byrd, Derek Hockett, Matthew Addler, Brent Eaves, Tara Walton
“Multimedia data visualization using Google Cardboard”
Faculty advisor: Dr. Razib Iqbal



Cooperative Engineering

(l to r) Carter, Alex, Christopher, T.J., Dr. Dua, Calvin, David,

1st Place: Alex Cook, Calvin Roebuck, Carter Knuckles

“Deconstructed switch mode power supply”

Faculty advisor: Dr. Rohit Dua

2nd Place: Chris Eakins, T.J. Orlandi, David Vernier

“Curvalicious”

Faculty advisor: Dr. Rohit Dua



Geography, Geology, and Planning

(l to r) Josh, Dr. Pavlowsky

1st Place: Brad Dishman

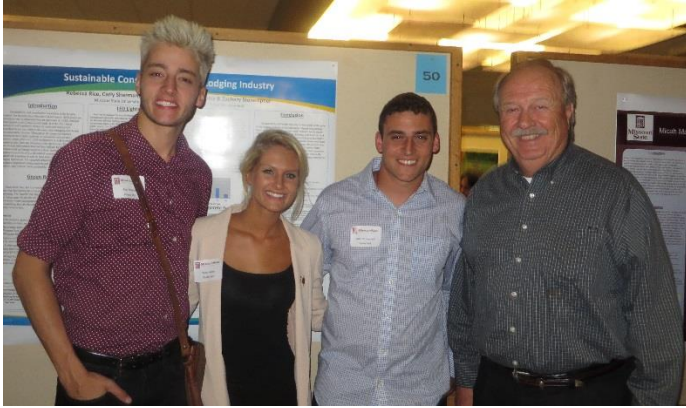
“Conodont extraction and biostratigraphic analysis at Cedar Gap, Missouri”

Faculty advisor: Dr. Charles Rovey

2nd Place: Josh Hess

“Mangrove threats and conservation in Galleon Fish Sanctuary, south coast Jamaica”

Faculty advisor: Dr. Robert Pavlowsky



Hospitality Leadership

(l to r) Alec, Carly, Zachary, Dr. Crafts

1st Place: Rebecca Rice, Carly Sherman, Alec Shlater, Morgan Schuette, Zachary Stonecipher
"Sustainable construction in the lodging industry"

Faculty advisor: Dr. Dan Crafts

2nd Place: Julia Bliss, Rachel Bower, Abbey Brinkley, Zach Bruckerhoff, Hannah Chu
"Drop by drop: The price of water in the U.S. hotel industry"

Faculty advisor: Dr. Dan Crafts



Mathematics

(l to r) Daniel, Adam

1st Place: Adam Somers

"An investigation of 2-distance sets in two, three, and four dimensions"

Faculty advisor: Dr. Les Reid

2nd Place: Daniel Ayasse

"Improving efficiency and reliability of Twitter data"

Faculty advisor: Dr. Matthew Wright



Physics, Astronomy and Materials Science

(l to r) Dr. Sakidja, Jesse, Ryan, Dr. Plavchan

1st Place: Ryan Hall

“Micronerva: Guiding techniques for an automated telescope array”

Faculty advisor: Dr. Peter Plavchan

2nd Place: Jesse A. Underwood

“Computational investigations of hydrous aluminosilicate melts”

Faculty advisors: Dr. Robert Mayanovic and Dr. Ridwan Sakidja