Undergraduate Research Day

Biology: Ecology, Conservation and Wildlife
1st Place: Dana Wyen, Eric Green, Tom Radomski
RESPONSE TO CANNIBAL CHEMICAL CUES BY LARVAL RINGED SALAMANDERS (AMBYSTOMA ANNULATUM)
Faculty Advisor: Alicia Mathis

2nd Place: Kacie D. Meyer
FEEDING ECOLOGY OF A STREAM-ASSOCIATED POPULATION OF THE COTTONMOUTH
Faculty Advisor: Dr. Brian Greene

Biology: Cellular, Microbiology and Genetics
1st Place: Hyoeun Ahn
PHYSICAL INTERACTIONS OF VPS1 WITH MAJOR INTRACELLULAR TRAFFIC REGULATORS
Faculty Advisor: Kyoungtae Kim

2nd Place: Sara Woodman, Katie Schmelzle, Katelyn Bartlett
EXAMINING THE EFFECT OF CARBON NANOTUBES ON SACCHAROMYCES CEREVISIAE CELL GROWTH AND GENE EXPRESSION
Faculty Advisor: Dr. Kyoungtae Kim

Chemistry
1st Place: Hillary Mitchell
INKJET PRINTING OF POLYANILINE NANOFORMULATIONS
Faculty Advisor: Dr. Adam Wanekaya

2nd Place: Samantha Marshall, Dr. Todd Brewer, David Thomas
APPLICATION OF FLOWCAM ON ALGAE MONITORING AND WATER QUALITY STUDIES
Faculty Advisor: Dr. Todd Brewer

Engineering
1st Place: Elliot J. Duenow, Daniel E. Hurst, Darren J. Juranas, Nathan J. Jaffe, Kim Brown
APPLIED CONCRETE DESIGN: MISSOURI STATE UNIVERSITY CONCRETE CANOE TEAM
Faculty Advisor: Dr. Matthew Pierson

2nd Place: Mitchell Baldwin, Kevin Foflygen, Kory Gould, Aleksandar Jankovic, Ariel Moss, Ryan Owrey
TABLETOP POWER GRID
Faculty Advisor: Dr. Robert Egbert
Geography, Geology and Planning
1st Place: Jennifer Witt
MINING CHAT CONTRIBUTIONS TO THE BIG RIVER IN ST. FRANCOIS COUNTY, MISSOURI
Faculty advisor: Robert Pavlowsky

2nd Place: Felix Corrodi
BANK EROSION ASSESSMENT OF WILSON CREEK IN SPRINGFIELD, MISSOURI
Faculty Advisor: Dr. Bob Pavlowsky

Hospitality & Restaurant Administration
1st Place: Adam B. West
ASSESSMENT OF GREEN ROOFING TRENDS IN THE US LODGING INDUSTRY
Faculty Advisor: Dan Crafts

Mathematics
1st Place: Ali Bajwa, Dylan Beck, Shun Dong, Adrian Li, Michelle Pellegrino, Marcus Shadwick
ON A QUADRATIC VARIANT OF A PROBLEM OF BERZSENYI
Faculty Advisor: Dr. Les Reid

2nd Place: Zach Easley
COMPACTIFICATIONS USING DYADIC SEQUENCES
Faculty Advisor: Dr. Paula Kemp

Physics, Astronomy and Materials Science
1st Place: Daniel Soden, Jincheng Bai, Mingwei Shang, Ying Deng
GRAPHITE SONICATION IN VARIOUS MEDIUMS TO ACHIEVE QUALITY GRAPHENE
Faculty Advisor: Dr. Lifeng Dong

2nd Place: Steven Harrellson
A STUDY OF HYDROTHERMALLY TREATED Fe-DOPED MESOPOROUS FDU-12 SILICA
Faculty Advisor: Dr. Robert A. Mayanovic