

Poster Presentation Winners

Undergraduate			
Environmental Studies			
1st Place	Morgan Harlin	Chemical Profiles of <i>Opuntia humifusa</i> Defense and Response to Methyl Jasmonate	Faculty mentor: Greg Phillips, Agriculture and Technology
Other STEM			
1st Place	Kendl Fischer	Identifying Salt Tolerant Accessions Withing a Rice Diversity Panel Using Phenomic Approaches	Faculty mentor: Argelia Lorence, Chemistry and Physics
Behavioral Science			
1st Place	Laura Tedder	Thinking like Macgyver: Overcoming Functional Fixedness in Insight Problem Solving	Faculty mentor: Dawn Weatherford, Psychology
Physical Fitness and Health			
1st Place	Lyric Hupp	Reliability of Hip Range of Motion Measurement: Smart Phone Application Versus the Universal Goniometer by Experienced and Novice Clinicians	Faculty mentor: Ashley Thrasher, HPESS
Biology			
1st Place	Brandi Mize	Heightening Delivery of Fish Interleukin-22 by Harnessing the Plant Lectin RTB	Faculty mentor: Maureen Dolan, Biological Sciences
2nd Place	Dominic Williams	CAP1 is required for both the Invasiveness and Proliferation in Pancreatic Cancer Cells	Faculty mentor: Guolei Zhou, Biological Sciences
Graduate			
Obesity & Diabetes			
1st Place (Tie)	Regina Strop	School Reported BMIs and Lifestyle Changes	Faculty mentor: Debbie Shelton, School of Nursing
1st Place (Tie)	Megan Burke	Preventive Services in the Intellectually Disabled Population of North East Arkansas	Faculty mentor: Mark Foster, School of Nursing
Physical Therapy			
1st Place	Grafton Harrell	The Use of 405nm and 464nm Blue Light to Inhibit <i>Listeria monocytogenes</i> in Ready-to-Eat (RTE) Meat	Faculty mentor: J. Stephen Guffey, Physical Therapy
Nursing			
1st Place	William Burns	Examining the Use of Albuterol in Pediatric Patients Diagnosed with RSV-Induced Bronchiolitis	Faculty mentor: Mark Foster, School of Nursing

Other Analytical Studies			
1st Place	Viet Nguyen	The effects of social media on college students' motivation toward personal branding efforts	Faculty mentor: Po-Lin Pan, Communication
Engineering			
1st Place	Samia Sanjari	Development of an Image Analysis Toolbox for Biological Imaging	Faculty mentor: Brandon Kemp, Electrical Engineering
Biological and Agricultural Studies			
1st Place	Ningning Zhang	In Vitro Expression and Application of a Thermostable Endo-Arabinanase for Generating Functional Oligosaccharides from Beet Pulp for Colon-Specific Health Benefits	Faculty mentors: Brett Savary and Jay Xu, ABI
2nd Place	Lucia Acosta-Gamboa	Optimization of Drought Stress High Throughput Phenotyping Assays in Arabidopsis	Faculty mentor: Argelia Lorence, Chemistry and Physics

Oral Presentation Winners

Undergraduate

STEM

1st Place	Santiago Gonzalez	Synthesis of Novel Antibiotics with Dihydropyrimidinone and Phenethylamine Scaffolds	Faculty Mentor: John Hershberger, Chemistry and Physics
2nd Place	Morgan Tripod	The Methods of Transportation and the Regulation of Interleukin-22 Provides a Potential Therapeutic Target for Inflammatory Bowel Disease	Faculty Mentor: Maureen Dolan, Biological Sciences

Psychology and Other Analytical Studies

1st Place	Emily Peters	Student Perception of the Benefits of Academic Education Partnered with Technical Training at Homeland Security's Center for Domestic Preparedness	Faculty Mentor: Brent Cox, Disaster Preparedness/ Emergency Mgmt
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Graduate

Engineering and Math

1st Place	Nayan Kumar Paul	Manipulation of Small Particles on the Surface of a Material	Faculty Mentor: Brandon Kemp, Electrical Engineering
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Bio and Environmental Studies

1st Place	John Artim	The Role of Habitat and Community Association in the Spatial Distribution of a Temporary Coral-Reef Fish Parasite	Faculty Mentor: Paul Sikkel, Biological Sciences
2nd Place	Morgan Slevin	Nest Site Selection and Nest Survival of Prothonotary Warblers in East-Central Arkansas	Faculty Mentor: Than Boves, Biological Sciences

Other Analytical Studies

1st Place	Ryan Smith	Going North: The Burkhammer Family of Greene County, Arkansas, and Davis, Michigan	Faculty Mentor: Cherrise Jones, History
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