

SP 2023 Faculty-Undergraduate Student Engagement (FUSE)

Award Recipients & Project Titles

College of Health & Human Services

Kylee	Meece	Rachel Tinius	Maternal gene expression's role in lipid metabolic regulation during pregnancy
Farrah	Castleman	YuChun Chen	The effects of smart water bottles on water intake and other health parameters of college students
Bethany	Waddy	Leisa Hutchinson	Improving Diagnostic Outcomes for Individuals with Autism Spectrum Disorders Within the Hispanic Community in Bowling Green, Kentucky

Gordon Ford College of Business

Layla	Dalton	Lily Popova Zhuhadar	Health inequity and the role of Artificial Intelligence
Aaron	Wallace	Lily Popova Zhuhadar	How Much Does It Cost to Have a Heart Attack in the US?

Ogden College of Science & Engineering

Sidney	Traxler	Jenni Teeters	Examining The Impact of Sexual Assault on Drinking Behaviors among College Students
Caleb	Peterson	Jenni Teeters	Links Between Personal Traits and Positive Outcomes of Social Media Use
Madeline	Nichols	Rui Zhang	Catalytic Oxidations by Novel Core-Antenna Bio-Inspired Photocatalysts
Travis	Oliver	Scott Bonham	Evaluating Standards-based Assessment in an Introductory Physics Class
Jake	Boils	Paolo Massa	Solar Flare Forecasting through Data Synchronization and Machine Learning
Sydney	Graham	Amy Brausch	Significance of the non-acceptance of emotions in non-suicidal self-injury
William	Kilgore	Rovhan Gani	Geochemical analysis of an unknown volcanic ash-layer found at a fossil site of early humans in Afar, Ethiopia

Lynnsey	Cole*	Andrew Mienaltowski	The Influence of Verbal Ability on Pain Perception.
Alexis	Smith	Doug McElroy	Transthoracic Echocardiography (TTE) Use in Acute Ischemic Stroke (AIS) Workup
Grace	Salloum	Andrew Mienaltowski	Diagnosed by Dr. Hollywood: The media's depiction of mental health disorders on screen scripting the public's perceptions
Alexandria	Lahman	Shahnaz Aly	Biophilic Design and its Effects on Mental and Physical Health
Justice	Ben Yosef	Ali Er	Effectivity of Silver and Gold Nanoparticles in Conjunction with Methylene Blue in Photodynamic Therapy of Bacteria
Vivian	Rivera	Nilesh Sharma	Determining the effect of dietary flavonoids on the lifespan of <i>Saccharomyces cerevisiae</i>
Briana	Harness	Simran Banga	Antibacterial effect of Methylene Blue coupled with Silver Nanoparticles on Biofilms in Prosthetic Joint Infections
Chazz	Kitchens	Ali Er	Pulsed Laser Deposition of Hydroxyapatite
Jackson	Powers	Xingang Fan	The Influence of Climate Change on Out-Of-Season Tornadoes in Kentucky
Elizabeth	Taylor*	Matthew Shake	Cognitive Engagement Across the Lifespan and Quality of Life in Older Adults
Grace	Cloherly*		
Abigail	Krent	Martin Stone	The Future of Horticulture: Growing Food in Space
Kara	Brunot	Jason Polk	Developing Karst Flood Vulnerability Tools for Regional Climate Change Hazard Mitigation Planning
Jacob	Walterman	Ahmet Ozer	The Transmission Problem of Piezoelectric Laminates

Potter College of Arts & Letters

Mallory	Hardesty	Timothy Rich	Do Rural United States Citizens Believe They Are Represented?
Justine	Davis	Timothy Rich	Language Progression of American and Chinese Media Coverage of Xinjiang, China

Madison	Whittle	Kara Glenn	Continuation of Museum Visitor Engagement Research Derived from the Mobile Application Muser
Shannon	Maloney	Amanda Clark	How Mentorship Enhances the Technical and Artistic Development of the Tap Dancer
Travis	Peden	William Simpson	Solar Eclipse Baily's Beads Data Collection
Laryn	Bishop	Joon Sung	Making rotoscope animation in Japan
Mattie	Howard		
Charlotte	Bariteau	Amanda Clark	Using a Critical View of Dance History to Inform Knowledge of Jazz Dance Technique
Analese	Lytle		
Garrett	Pippin	Sara Thomason	WKU FILM BA Thesis
Ramsey	Holl		

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