

## Undergraduate University Research and Arts Forum First Place Winners 2023

### **Agriculture and Animal Science, Section 1 (Poster)**

*Student Presenter/s:* Maya Salamey, Allie Fricano, Lydia Kapeller

*Mentor/s:* Jane Manfredi

*Title:* The effects of intra-articular steroid administration on the metabolic profile of normal horses

### **Agriculture and Animal Science, Section 2 (Poster)**

*Student Presenter/s:* Anna Zarka

*Mentor/s:* David Douches

*Title:* A Survey of Potato Protein Content in Commercial Cultivars and MSU Potato Breeding Program Material and Comparison Between Planting Years and Location

### **Agriculture and Animal Science, Section 3 (Poster)**

*Student Presenter/s:* Rebekah Agnew

*Mentor/s:* Samantha Courtney, Gary Roloff

*Title:* What Risk Does Baiting Deer Pose to Non-target Species?

### **Agriculture and Animal Science, Section 4 (Oral)**

*Student Presenter/s:* Ramzee Miller, Carissa Clark

*Mentor/s:* Jane Manfredi

*Title:* The effects of intra-articular steroid administration on the metabolic profile of metabolically normal horses

### **Anthropology and Archeology, Section 1 (Poster)**

*Student Presenter/s:* Ananyaa Asthana

*Mentor/s:* Masako Fujita

*Title:* Evaluating the association of dietary diversity and folate nutrition in breastfeeding mothers during severe drought

### **Anthropology and Archeology, Section 2 (Poster)**

*Student Presenter/s:* Natalie Mourou

*Mentor/s:* Masako Fujita

*Title:* Patrilineal vs. Matrilineal Effects on Fertility and Infant Survival in the Household

### **Anthropology and Archeology, Section 3 (Poster)**

*Student Presenter/s:* Maegan Jankowski

*Mentor/s:* Gabriel Wrobel

*Title:* Skeletal Sex Estimation Based on Application of Discriminant Function Analysis of Mayan Long Bone Lengths

**Arts and Humanities, Section 1 (Oral)**

*Student Presenter/s:* Alexis Mawhinney, Numa Arif, Mariah Fletcher

*Mentor/s:* Dan Li

*Title:* Feminist Artwork Video Game

**Arts and Humanities, Section 2 (Oral)**

*Student Presenter/s:* Taylor Hughes-Barrow

*Mentor/s:* Joyce Meier

*Title:* Closing the Gaps: A Database Project in Support of Educational Equity

**Biochemistry and Molecular Biology, Section 1 (Poster)**

*Student Presenter/s:* Dayna Olson

*Mentor/s:* Josh Vermaas

*Title:* Lipid Specificity of the Drought Stress Signaling Protein PLAFP

**Biochemistry and Molecular Biology, Section 2 (Poster)**

*Student Presenter/s:* Roksana Riddle

*Mentor/s:* Daniel Ducat, Michaela TerAvest, Masako Harada, Bjoern Hamberger

*Title:* Modifying Pseudomonas Syringae Phage as a Model for Plant Pathogen Biocontrol

**Biochemistry and Molecular Biology, Section 3 (Poster)**

*Student Presenter/s:* Jonas Padilla

*Mentor/s:* Denis Proshlyakov

*Title:* Fluorescence Models of Metabolic Stress in ARPE-19 Cells and Their Role in Understanding Diabetic Retinopathy Pathogenesis

**Biochemistry and Molecular Biology, Section 4 (Poster)**

*Student Presenter/s:* Tuan Kiet Trinh

*Mentor/s:* Hyojin Kim

*Title:* STRUCTURAL AND BIOCHEMICAL ANALYSIS OF SGT2-GET4/5 COMPLEX THAT PLAYS A CRITICAL ROLE IN TAIL-ANCHORED PROTEIN BIOGENESIS

**Biochemistry and Molecular Biology, Section 6 (Oral)**

*Student Presenter/s:* Michael Ngatio, Isabella Rodrigues

*Mentor/s:* Jinxing Li

*Title:* Application of Hydrogels to Treat Deep Vein Thrombosis and Pulmonary Embolism

**Biochemistry and Molecular Biology, Section 7 (Poster - virtual)**

*Student Presenter/s:* Chris Babcock

*Mentor/s:* Rachel Kerwin

*Title:* Effects of Acylsugar Acyltransferase Transcription Factors on Regulation of Acylsugar Production in Solanum lycopersicum

**Business, Section 1 (Poster)**

*Student Presenter/s:* Live Cannella

*Mentor/s:* Mi Ran Kim

*Title:* Going Green Takes Time! A trend analysis of LEED certified hotel developments in the United States

**Cell Biology Genetics and Genomics, Section 1 (Poster)**

*Student Presenter/s:* Sudhakar Samuel, Joey Esparza

*Mentor/s:* Lorenzo Sempere, Katarzyna Kempinska

*Title:* Role of miRNA-10b in treatment resistance of pancreatic cancer

**Cell Biology Genetics and Genomics, Section 2 (Poster)**

*Student Presenter/s:* Lillian Young

*Mentor/s:* Shuo Feng

*Title:* Identifying Biomarker CD44 in a Patient-Derived Hepatocellular Carcinoma Cell Line

**Cell Biology Genetics and Genomics, Section 3 (Poster)**

*Student Presenter/s:* Allie Zhang

*Mentor/s:* Nadya Mamoozadeh, Mariah Meek

*Title:* Using Genomics to Explore the Basis for Life History Differences in an Imperiled Fish Species

**Cell Biology Genetics and Genomics, Section 4 (Poster)**

*Student Presenter/s:* Nastassia Benjamin

*Mentor/s:* Simon Petersen-Jones, Laura Ford

*Title:* Investigating Genetic Modifiers in a Large Animal Model for RHD5-/- Associated Retinopathies

**Cell Biology Genetics and Genomics, Section 5 (Oral)**

*Student Presenter/s:* Harrison Nabors

*Mentor/s:* Dohun Pyeon

*Title:* Characterization of CDKN2A/p16 as a Tumor-Specific Promoter

**Communication Arts and Sciences, Section 1 (Poster)**

*Student Presenter/s:* Eduarda Paim Vieira

*Mentor/s:* Rachel Reis Mourao

*Title:* Hydropower and the risk of blackouts in Brazil from a TV news coding perspective.

**Communication Arts and Sciences, Section 2 (Poster)**

*Student Presenter/s:* Hannah MacDonald

*Mentor/s:* Lady Catherine Cantor Cutiva

*Title:* Bilingualism and its affect Voice Onset Time in English productions

**Communication Arts and Sciences, Section 3 (Exhibit)**

*Student Presenter/s:* Grace Cyporyn, Mia Burghardt, Mariana Santos bittencourt de almeida, Steph Ferrara, Nicoline Bradford, Emily Paterson, Kaitlyn Kwon, Carlina Pitello

*Mentor/s:* JeanaDee Allen, Madelyn Darbonne

*Title:* Street Teams x The Constellation Cat Cafe

**Communication Arts and Sciences, Section 4 (Oral)**

*Student Presenter/s:* Subah Bhatia

*Mentor/s:* Judith Walgren

*Title:* A Deeper Look into Critical Photojournalism in the Digital Age

**Communication Arts and Sciences, Section 5 (Oral)**

*Student Presenter/s:* Ky Chimrak, Apichaya Thaneerat, Nadiyah Mohamed Hasnol, Viv Martinez-Sandoval

*Mentor/s:* Cheryl Caesar, Joyce Meier

*Title:* Why Don't They Like Zoom?

**Criminal Justice and Legal Studies, Section 1 (Oral)**

*Student Presenter/s:* Eva Ott Hill

*Mentor/s:* Em Hernandez , Sanja Kutnjak Ivkovic

*Title:*

Seven Months of Lockdowns, Years of Police Misconduct: The South African COVID Experience

**Digital Humanities, Section 1 (Poster)**

*Student Presenter/s:* Sania Sinha

*Mentor/s:* Parisa Kordjamshidi, Parisa Ghaderi

*Title:* Handle With Care: Visualization of Comfort Objects Using Textual Content of Surveys

**Diversity and Interdisciplinary Studies, Section 1 (Poster)**

*Student Presenter/s:* Destiny Kanning

*Mentor/s:* Ryan Thomas, Ashlee Price

*Title:* Studying Negative Social Effects and Misconceptions of Cystic Fibrosis of Patients Aged 17-24, Preliminary Discussion for Pulmonary Organoid Development

**Diversity and Interdisciplinary Studies, Section 2 (Poster)**

*Student Presenter/s:* Alissa Hakim, Marielena Silva

*Mentor/s:* Sitara Thobani, Tama Hamilton Wray

*Title:* Sisterhood: Building Transnational Relationships

**Education, Section 1 (Poster)**

*Student Presenter/s:* Jade Elder

*Mentor/s:* Caitlin Cavanagh

*Title:* Comparing White Youth, Non-White Youth, & Black Youth: The Impacts of School Risk Factors

**Education, Section 2 (Poster)**

*Student Presenter/s:* Grace Krajewski, Apoorva Chalasani

*Mentor/s:* Burcu Ozkum

*Title:* The Role of Digital Media Use and Mother Education in Preschoolers' Language and Literacy Development

**Engineering Computer Science and Mathematics, Section 1 (Poster)**

*Student Presenter/s:* Linda Komis

*Mentor/s:* Robert Bell

*Title:* Mathematical Analysis of Tchoukaillon

**Engineering Computer Science and Mathematics, Section 2 (Poster)**

*Student Presenter/s:* Sydney Bush

*Mentor/s:* Sara Roccabianca, Dillon McClintock, Nathan Tykocki, Stephanie Watts

*Title:* Quantification of the Mechanical Effects of Hypertension on Thoracic Aorta and Perivascular Adipose Tissue

**Engineering Computer Science and Mathematics, Section 3 (Poster)**

*Student Presenter/s:* William Gaal

*Mentor/s:* Caroline Szczepanski, Allie Vanzanten

*Title:* Visualization of diffusion rates in dyed cuboid PEG hydrogels

**Engineering Computer Science and Mathematics, Section 4 (Poster)**

*Student Presenter/s:* Emily England

*Mentor/s:* Carl Boehlert

*Title:* Corrosion Resistance and Biocompatibility of MgZnCa alloys using Plasma Electrolytic Oxidation (PEO)

**Engineering Computer Science and Mathematics, Section 5 (Poster)**

*Student Presenter/s:* Nathan Willey

*Mentor/s:* Elena Wang, Elizabeth Munch

*Title:* An Optimization of Euler Characteristic Transform Computation

**Engineering Computer Science and Mathematics, Section 6 (Poster)**

*Student Presenter/s:* Christina Berels

*Mentor/s:* Tamara Bush

*Title:* Quantifying hand torque application in children and older adults.

**Engineering Computer Science and Mathematics, Section 8 (Oral)**

*Student Presenter/s:* Julia Zera

*Mentor/s:* Preston Wake

*Title:* Patterns in the Reciprocals of Primes

**Environmental Science and Natural Resources, Section 1 (Poster)**

*Student Presenter/s:* Nicole Smith

*Mentor/s:* Matthew Schrenk

*Title:* Investigating Deep Subsurface Microbial Communities in Gas-rich Rock-Hosted Aquifers: Relationship between microbial biomass and depth

**Environmental Science and Natural Resources, Section 2 (Poster)**

*Student Presenter/s:* Kayla Tracey, Shruti Elango, Denis Selyuzhitsky

*Mentor/s:* John Waller, Maria Lapinski-LaFaive, Nathan Moore

*Title:* The Cleaner Conscience Initiative: An attempt to reduce water usage at Michigan State University by lessening average time spent in the showers by undergraduates

**Environmental Science and Natural Resources, Section 3 (Poster)**

*Student Presenter/s:* Ella Harrell, Sebastian Hawkes

*Mentor/s:* Dawn Dechand

*Title:* Analyzing impacts of long-term wetland plants on infiltration in established sites and development of future citizen science research

**Epidemiology and Public Health, Section 1 (Poster)**

*Student Presenter/s:* Bhavya Thotakura

*Mentor/s:* Sue Grady, Nicole Dear

*Title:* The Impacts of Residential Segregation on Racial Disparities in Sexually Transmitted Infections: Detroit Metropolitan Area 2015-2019

**Epidemiology and Public Health, Section 2 (Poster)**

*Student Presenter/s:* Jasmine Parker

*Mentor/s:* Dawn Misra

*Title:* The impact of HIV on black women living in rural communities.

**Epidemiology and Public Health, Section 3 (Poster - virtual)**

*Student Presenter/s:* Olivia Leblanc

*Mentor/s:* James (Jim) Anthony

*Title:* Depression-Associated Suicide Thoughts and Plans: Hypothesized Subgroup Variations

**Global and Area Studies, Section 1 (Oral)**

*Student Presenter/s:* Sky Young

*Mentor/s:* Camelia Suleiman

*Title:* What is a Woman? An Insight and Application of Simone De Beauvoir's Gender Philosophy to Modern Feminism

**Global and Area Studies, Section 2 (Oral)**

*Student Presenter/s:* Isabela Martins

*Mentor/s:* Camelia Suleiman, Russell Lucas

*Title:* Humanitarian Crisis in Syria Affects Women's Health

**Health Sciences, Section 1 (Poster)**

*Student Presenter/s:* Jenna O'Brien

*Mentor/s:* Ann Annis

*Title:* Integrated mental health for children visiting health centers in socioeconomically disadvantaged communities

**Health Sciences, Section 2 (Poster)**

*Student Presenter/s:* Alaina Dykstra

*Mentor/s:* Ann Annis

*Title:* Effectiveness of art therapy in reducing depressive symptoms among adults

**Health Sciences, Section 3 (Poster)**

*Student Presenter/s:* Sunyoung You, Sejla Sinanovic

*Mentor/s:* Jiyong Ling

*Title:* FirstStep2Health: Effects on Reducing Parents' Perceived Stress and Improving Coping

**Health Sciences, Section 4 (Poster)**

*Student Presenter/s:* Allison O'Donnell, Vy Nguyen

*Mentor/s:* Jill McMahon, Katharine Currie

*Title:* Blood Pressure Assessment in Postmenopausal Hypertensive Females: are there benefits to measure seated blood pressure more than once?

**Health Sciences, Section 5 (Poster)**

*Student Presenter/s:* Kierra Jursch

*Mentor/s:* Hanne Hoffmann, Brooke Devries, Alexandra Yaw

*Title:* Mouse Estrous Acyclicity in Response to Shift Work-Like Lighting

**Health Sciences, Section 6 (Oral)**

*Student Presenter/s:* Lydia Kapeller

*Mentor/s:* Andras Komaromy

*Title:* Electrodes, pupils, B-waves oh mEYE! Preliminary analysis of the portable RETeval electroretinography device for use in dogs

**Health Sciences, Section 7 (Oral)**

*Student Presenter/s:* Lili Klein

*Mentor/s:* Aaron Zynda

*Title:*

The Association Between Coping Skills, Individual vs. Team Sport, and Concussion Recovery in Collegiate Athletes

**History Political Science and Economics, Section 1 (Poster)**

*Student Presenter/s:* Alayna Tisch

*Mentor/s:* David Ortega

*Title:* A Historical Analysis of Thanksgiving Turkey Prices: Insights from Newspaper Grocery Ads

**History Political Science and Economics, Section 2 (Poster)**

*Student Presenter/s:* Carly Sandstrom

*Mentor/s:* Robert Brathwaite

*Title:* Remote Electronic Voting in Ecuador's Election on February 5th, 2023

**History Political Science and Economics, Section 3 (Oral)**

*Student Presenter/s:* Mikayla Stokes

*Mentor/s:* Eric Juenke

*Title:* Little Laboratories of Representation: Where do Women Candidates Run in Michigan's Local Elections and What Happens When They are on the Ballot?

**Humanities, Section 1 (Poster)**

*Student Presenter/s:* Gabriel Sandoval

*Mentor/s:* Martha Olcott

*Title:* Literary Depictions of Egyptian Regimes, Revolutions, and Resistance

**Integrative and Organismal Biology, Section 1 (Poster)**

*Student Presenter/s:* Alyssa Mollema, Caz Schwennesen

*Mentor/s:* Xose Lopez Goldar

*Title:* Evaluating the effects of climate change-inspired heat waves on the coevolutionary relationship between common milkweed (*Asclepias syriaca*) and monarch butterflies (*Danaus plexippus*)

**Integrative and Organismal Biology, Section 2 (Poster)**

*Student Presenter/s:* Marionna Bigelow

*Mentor/s:* Sigal Lechno-Yossef, Damien Sheppard, Cheryl Kerfeld

*Title:* Carotenoid Proteins Involved in Cyanobacterial Photoprotection

**Interdisciplinary Films, Section 1 (Film)**

*Student Presenter/s:* Elena Sheperd, Hannah Calender

*Mentor/s:* Troy Hale, Geraldine Zeldes

*Title:* Prohibition in Lansing: A Retrospective

**Interdisciplinary Films, Section 2 (Film)**

*Student Presenter/s:* Ari Andres, Amina Darabie

*Mentor/s:* Eddie Boucher

*Title:* Documenting Barriers and Benefits in Lansing's Farmers' Markets

**Kinesiology, Section 1 (Poster)**

*Student Presenter/s:* Christian Burke

*Mentor/s:* Matthew Harkey

*Title:* The association between peak ground reaction force and knee cartilage thickness in division one female athletes

**Kinesiology, Section 2 (Poster)**

*Student Presenter/s:* Emiko Oku, Charlotte Pohl

*Mentor/s:* Francesca Genoese, Matthew Harkey

*Title:* A Comparison of Anterior Cruciate Ligament - Return to Sport After Injury (ACL-RIS) Confidence Subscale Scores of Individuals with ACL Reconstruction and Uninjured Controls



**Kinesiology, Section 3 (Poster)**

*Student Presenter/s:* Nabeeha Ali, Allie Blackmore, Tim Earle, Jeneia Dinglasan, Sky Payumo

*Mentor/s:* Rajiv Ranganathan, Brian Fox

*Title:* Learning a 'Bad' Technique - How Do Prior Movement Patterns Influence Relearning of New Ones?

**Kinesiology, Section 4 (Poster)**

*Student Presenter/s:* Meagan Rockafellow, Amy Liu, Anja Olsen, Ben Potts

*Mentor/s:* Florian Kagerer

*Title:* Gaze characteristics during bimanual reaching II

**Linguistics Languages and Speech, Section 1 (Poster)**

*Student Presenter/s:* Madelyn Holmes

*Mentor/s:* Bridget Walsh

*Title:* Hearing the Voices of Children : Uncovering Their Desired Goals in Stuttering Therapy

**Linguistics Languages and Speech, Section 2 (Poster)**

*Student Presenter/s:* Bailey Rann, Frank Dolecki

*Mentor/s:* J McAuley, Toni Smith

*Title:* Sensorimotor Synchronization in Adults Who Do and Do Not Stutter

**Microbiology Immunology and Infectious Disease, Section 1 (Poster)**

*Student Presenter/s:* Ram Sanath Kumar

*Mentor/s:* Christopher Waters, Kaylee Wilburn

*Title:* Identifying CBASS Phage Defense Activation in *Vibrio cholerae* El Tor

**Microbiology Immunology and Infectious Disease, Section 2 (Poster)**

*Student Presenter/s:* Rosemary Northcote

*Mentor/s:* Paige Kies, Neal Hammer

*Title:* Combating *Staphylococcus* antibiotic resistance by targeting nutrient sulfur transport using the herbicide bialaphos

**Microbiology Immunology and Infectious Disease, Section 3 (Poster)**

*Student Presenter/s:* Anastasia Franklin, Natalia Amador, Udai Kapoor, Qasim Motan

*Mentor/s:* Alberto Mendoza

*Title:* Range of salinity tolerance of *Pythium insidiosum*

**Microbiology Immunology and Infectious Disease, Section 4 (Poster)**

*Student Presenter/s:* Madeleine Russell

*Mentor/s:* Sarah Comstock

*Title:* Characterizing the gut resistome of 3mos old infants and maternal antibiotic use during pregnancy

**Neuroscience, Section 1 (Poster)**

*Student Presenter/s:* Toria Fex

*Mentor/s:* Alexander Johnson

*Title:* Disrupting cocaine-seeking by devaluing memories of cocaine reward through mesolimbic circuitry

**Neuroscience, Section 2 (Poster)**

*Student Presenter/s:* Nolan Lucera

*Mentor/s:* Katrina Linning-Duffy, Lili Yan

*Title:* Effects of Rai-1 Gene Deletion on Sleep and Circadian Rhythm in Diurnal Rodents

**Neuroscience, Section 3 (Poster)**

*Student Presenter/s:* Bella Orsucci, Kira Becker

*Mentor/s:* Samantha Bowden, Jessica Lee

*Title:* To Play or Not to Play? Understanding Optimal Conditions for Studying Social Play Behavior in Different Laboratory Rat Strains

**Nutrition and Food Science, Section 1 (Poster)**

*Student Presenter/s:* Muhammad Masood

*Mentor/s:* Monirehalsadat Mahmoudi

*Title:* Packaging and Household Food Waste Nexus

**Nutrition and Food Science, Section 2 (Poster)**

*Student Presenter/s:* Erik Diaz-Santiago

*Mentor/s:* Teresa Bergholz

*Title:* Classifying Listeria isolates from controlled atmosphere apple storage facilities

**Nutrition and Food Science, Section 4 (Oral)**

*Student Presenter/s:* Anna Wagner

*Mentor/s:* Hannah Mulheron, Emily Mayhew

*Title:* Characterizing the Relative Sweetness and Aroma of Honey

**Nutrition and Food Science, Section 5 (Oral)**

*Student Presenter/s:* Lindsay Schwartz

*Mentor/s:* Sarah Comstock

*Title:* The relationship between bacterial butyrate producing genes and dietary fiber intake during the third trimester of pregnancy.

**Pharmacology and Toxicology, Section 1 (Poster)**

*Student Presenter/s:* Jamie Liebold

*Mentor/s:* Brad Upham

*Title:* Per and Polyfluorinated Substances Dysregulate Gap Junctional Intercellular Communication

**Physical Sciences, Section 1 (Poster)**

*Student Presenter/s:* Jonathan Kho

*Mentor/s:* Edward Brown

*Title:* A numerical analysis of the MAXI J0556-332 Neutron Star: Is a "Hyperburst" Physical?

**Physical Sciences, Section 2 (Poster)**

*Student Presenter/s:* Logan Schaedig

*Mentor/s:* Christopher Wrede

*Title:* Search for Low-Energy Protons Following the Beta Decay of  $^{32}\text{Ar}$

**Physical Sciences, Section 3 (Poster)**

*Student Presenter/s:* Owen James

*Mentor/s:* Artemisia Spyrou

*Title:* Examining Exotic Nickel Nuclei

**Physical Sciences, Section 4 (Poster)**

*Student Presenter/s:* James Hager, Libby Ashby

*Mentor/s:* Narasimhan Loganathan, Angela Wilson

*Title:* Molecular Level Understanding of PFAS Interactions with Soils

**Physical Sciences, Section 5 (Poster)**

*Student Presenter/s:* Aaron Philip

*Mentor/s:* Kyle Godbey, Pablo Giuliani, Witold Nazarewicz

*Title:* ML Dimensionality Reduction Applied to Emulating Nuclear Systems

**Physical Sciences, Section 6 (Poster)**

*Student Presenter/s:* Ryan Copeland

*Mentor/s:* Seth Jacobson

*Title:* Imperfect Accretion in an Astrophysical Simulator

**Physical Sciences, Section 7 (Oral)**

*Student Presenter/s:* Kenneth Sun

*Mentor/s:* Xilin Zhang

*Title:* A New Method to Solve Quantum Bound State Problems by Extrapolating from Low-rank Solutions

**Plant Sciences, Section 1 (Poster)**

*Student Presenter/s:* Joy Li

*Mentor/s:* Jianping Hu

*Title:* Photosynthetic screen of cowpeas under photorespiratory conditions

**Plant Sciences, Section 2 (Poster)**

*Student Presenter/s:* Samantha Sikora

*Mentor/s:* David Douches, Thilani Jayakody

*Title:* Characterizing fertility and genetic transformation capabilities of diploid potato clone, 1S1

**Plant Sciences, Section 3 (Poster)**

*Student Presenter/s:* Lauren Murray

*Mentor/s:* Per Askeland, Carl Boehlert

*Title:* The Impact of a Petal's Structure

**Psychology, Section 1 (Poster)**

*Student Presenter/s:* Leo Pereira Sanabria

*Mentor/s:* Kristen Culbert

*Title:* Androgen Effects on Risk for Binge Eating in Males during Puberty: Project Overview and Current Status

**Psychology, Section 2 (Poster)**

*Student Presenter/s:* Zeeba Ali

*Mentor/s:* Katharine Thakkar

*Title:* Saccade Vigor in Schizophrenia

**Psychology, Section 3 (Poster)**

*Student Presenter/s:* Caleb Bonno, Derrek Montalvo, Al Rajala, Megan Swan

*Mentor/s:* Mark Becker

*Title:* ?Hey, Look at Me! Investigating if the Quitting Threshold Effect from a Salient Distractor is Actually a Response Bias Effect?

**Psychology, Section 4 (Poster)**

*Student Presenter/s:* Jillian Lange, Jason Kazmierczak

*Mentor/s:* Ania Pathak, Jason Moser

*Title:* Exploring the Effects of a Scalable Psychological Distancing Technique for Medical Professionals Experiencing COVID-19-Related Stress and Anxiety

**Psychology, Section 5 (Poster)**

*Student Presenter/s:* Tim Odaniel, Adhi Sureshkumar

*Mentor/s:* Kimberly Fenn

*Title:* Individual Differences in Sonar Monitoring and the Vigilance Decrement

**Psychology, Section 6 (Poster)**

*Student Presenter/s:* Ryan Clare, Srihita Veeramachaneni

*Mentor/s:* Joseph Cesario

*Title:* The Effects of Training on Police Recruits' Decisions to Shoot

**Science Technology Engineering Mathematics, Section 1 (Exhibit)**

*Student Presenter/s:* Gavin Gardner, Ross Davis, Brady Berg, Malachi Keener

*Mentor/s:* Woongkul Lee, Leo Kempel, Ioannis Papapolymerou

*Title:* Drone Delivery 'Catching a Ride' on Public Transportation

**Science Technology Engineering Mathematics, Section 2 (Poster - virtual)**

*Student Presenter/s:* Saransh Mehta

*Mentor/s:* Ryan Ringle

*Title:* CLASSIFICATION OF ION SIGNALS: MACHINE LEARNING REVEALS MASS OF INDIVIDUAL ISOTOPES

**Social Science General, Section 1 (Poster)**

*Student Presenter/s:* Bailey Griffin, Lorenzo Duran Charris

*Mentor/s:* Walter Hawthorne III

*Title:* Death in Fairfax County, Virginia, in the mid-19th Century: Morbidity and Mortality among Enslaved and Free Populations

**Social Science General, Section 2 (Poster)**

*Student Presenter/s:* Miki Deliyiski

*Mentor/s:* Elizabeth Perry

*Title:* Green Urbanism: An analysis of the Dutch approach to sustainable cities and communities

**Social Science General, Section 3 (Poster)**

*Student Presenter/s:* Aaditi Nambiar, Ava Ballagh

*Mentor/s:* Sarah Douglas

*Title:* Stay-Play-Talk Intervention via Telepractice for Typically Developing Siblings of Children with Disabilities

**Social Science General, Section 4 (Oral)**

*Student Presenter/s:* Delani Stull, Jogi Katende

*Mentor/s:* Antoinette Tessmer, Guanglong Pang

*Title:* Stock performance of sustainable companies: Does size matter?

**Social Science General, Section 5 (Oral)**

*Student Presenter/s:* Jerome Hamilton, Nel Robinson, Josie Danielkiewicz

*Mentor/s:* John Waller

*Title:* Television news and the (mis)representation of cocaine and opioid users: a systematic study of NBC Nightly News reports

**Social Science Humanities Arts, Section 1 (Exhibit)**

*Student Presenter/s:* Phuc Nguyen

*Mentor/s:* Ilse Schweitzer

*Title:* Robarthe and the Art Robbery

**Social Science Humanities Arts, Section 2 (Exhibit)**

*Student Presenter/s:* Sonia Menon, Manu Sidhu, Sasha Franklin, Shrishti Jalan, Sophia Pham

*Mentor/s:* Dan Li

*Title:* Women's and Gender Studies Trivia

**Social Science Humanities Arts, Section 3 (Poster - virtual)**

*Student Presenter/s:* Live Cannella

*Mentor/s:* Mi Ran Kim

*Title:* How Well Do You Know Me? An Investigation on Guest Recognition Preferences and Impacts in the Hospitality Industry

**Social Science Humanities Arts, Section 5 (Poster - virtual)**

*Student Presenter/s:* Shreya Chavva

*Mentor/s:* Jenifer Fenton

*Title:* Changes in egg characteristics, egg yolk antioxidant profile, and egg lipid oxidation (TBARS) across the grazing season in a Southern Ohio-based pasture-raising system for layer hens

**Sociology, Section 1 (Poster)**

*Student Presenter/s:* Harsna Chahal, Nupur Huria

*Mentor/s:* Danielle Gartner

*Title:* Understanding Contributing Factors of Menstrual Stigma in Universities to Address Barriers to Period Product Accessibility

**Visual and Performing Arts, Section 1 (Poster)**

*Student Presenter/s:* Laine Lord, Angie Petterson

*Mentor/s:* Candace Keller

*Title:* The Archive of Malian Photography (AMP)

**Visual and Performing Arts, Section 2 (Exhibit)**

*Student Presenter/s:* Emelia Rush

*Mentor/s:* D'Ann Desimone

*Title:* She Wears It Well

**Visual and Performing Arts, Section 3 (Performance)**

*Student Presenter/s:* Lacy Jewell

*Mentor/s:* Jonathan Weber

*Title:* Matthias Schmitt's "Ghanaia" and its Musical Capabilities