

Poster Presentation Winners

I. University-Wide Undergraduate Student Winners in Science, Technology, Engineering, and Mathematics

- 1st Place: Alicia Taylor, Chemistry/Biochemistry, “Antimicrobial plastics: The development of novel, rechargeable N-halamine polymer blends for use in food processing conveyor belts”
- 2nd Place: Laura Downey, Biomedical Sciences, “Determination of effectiveness of novel liposomal formulation of proteasome inhibitors in tumors”
- 3rd Place: Mark Roces, Mechanical Engineering, “A measurement device for quantifying neuromuscular impairment in hands “

II. University-Wide Graduate Student Winners in Science, Technology, Engineering, and Mathematics

- 1st Place: Arthur Lamounier Moura, Forestry, “Flammability and regeneration impacts of increasing longleaf pine leaf litter contribution to the fuel bed of mixed pine-oak forests of the Southeastern U.S.”
- 2nd Place: Y. Savanie Fernando, Anatomy, Physiology and Pharmacology, “The organization and differentiation of the adrenocortical cell zonation in the adrenal gland of chicken (*Gallus gallus domesticus*)”
- 3rd Place: Sujana Gautam, Biological Sciences, “An evolutionarily conserved Wnt/Sp5 signaling cassette is essential for anterior-posterior axis specification and patterning in sea urchin embryos”

III. University-Wide Undergraduate Student Winners in Human Sciences, Social Sciences, Creative Arts, Nursing and Humanities

- 1st Place: Haley Shufflebarger, Interior Design, “Designing prototypical sleeping rooms for long-term memory care facility with special attention to lighting controls and circadian rhythms”
- 2nd Place: Jenna Wettstein, Psychology, “Abuse, sexual discomfort, and victim typology in adjudicated youth”
- 3rd Place: Jessica Minieri, Psychology, “Impaired behavioral insight abilities in severe cannabis use disorder”

IV. University-Wide Graduate Student Winners in Human Sciences, Social Sciences, Creative Arts, and Humanities

- 1st Place: Sydney Waitz-Kudla, Psychology, “Veterinarians’ perceptions of mental health issues and pentobarbital storage as a suicide prevention strategy”
- 2nd Place: Mariah Morton, Speech, Language, and Hearing Sciences, “Determining medical speech-language pathology deserts in rural Alabama”
- 3rd Place: Makeda Nurradin, Curriculum and Teaching, “Aspects of indigenous knowledge curriculums: A systematic literature review”

V. College and School Awards

1. College of Agriculture

- Undergraduate Student Winner: Walker Olive, Applied Biotechnology, “Identifying Species of bacteria that assist in survival in environments with an extremely high salt content or high temperature”
- Graduate Student Winner: Axel Zimeri, Horticulture, “Comparing three Southern high bush blueberry cultivars (Jewel, Victoria, and Meadowlark) grown in containers”

2. College of Architecture, Design & Construction

- Undergraduate Student Winner: Ian Krohn, Environmental Design, “A tool for comparative analysis of prioritized building revitalization in urban America”
- Graduate Student Winner: Whitney Brock, Building Science, “Effects of lighting color in a university testing environment”

3. Raymond J. Harbert College of Business

- Undergraduate Student Winner: N/A
- Graduate Student Winner: N/A

4. College of Education

- Undergraduate Student Winner: Daniel Morris, Kinesiology, “The effect of implicit learning and movement reinvestment on performance under pressure”

- Graduate Student Winner: Oluwagbemiga DadeMatthews, Kinesiology, “Quality of life, device satisfaction, and functional status of lower limb prostheses clients”

5. Samuel Ginn College of Engineering

- Undergraduate Student Winner: William Beattie, Civil and Environmental Engineering, “CO₂ storage in geological formation: Impact of formation characteristics”
- Graduate Student Winner: Pravin Parasakthi Aravindhan, Chemical Engineering, “Methanol and carboxylate co-transport in sulfonated cation exchange membranes: Effect of poly(ethylene glycol) phenyl ether acrylate as a blocking group”

6. College of Forestry and Wildlife Sciences

- Undergraduate Student Winner: Evelyn Pearson, Sustainable Biomaterials and Packaging, “Characterization of cellulose nanofibrils dewatered through dialysis”
- Graduate Student Winner: Sylvester Menanyih, Forestry, “Survey of volatile organic chemicals emitted by ophiostomatoid fungi for monitoring and evaluating bark beetles in the Southeastern United States”

7. College of Human Sciences

- Undergraduate Student Winner: Xuan Phuong T. Tran, Interior Design, “Neurodiversity in the workplace: A guideline for designing an environment that supports neurodivergent employees”
- Graduate Student Winner: Allison Tidwell, Human Development and Family Sciences, “In it for the long haul: Preliminary analyses of work- and family-related factors as predictors of service members’ intentions to remain in the military”

8. College of Liberal Arts

- Undergraduate Student Winner: Dorothy Dreelin, Psychology, “Anxiety sensitivity as a moderator on the relationship between emotion regulation and alcohol use coping motives”
- Graduate Student Winner: Antoinette Smith, Community Planning, “GIS techniques and spatial data analysis for the population of the United States”

9. College of Nursing

- Undergraduate Student Winner: Sarah Servine, Nursing, “Statistical analysis of a school-based screening effort examining childhood obesity trends in Alabama’s blackbelt region”
- Graduate Student Winner: N/A

10. Harrison College of Pharmacy

- Undergraduate Student Winner: Phillip McCain, Pharmacology, “Evaluating the beneficial potential of American skullcap in global healthcare”
- Graduate Student Winner: Charlotte Muse, Drug Discovery and Development, “Production and functional plasma protein binding of a novel *Staphylococcus aureus*-derived hemostatic agent”

11. College of Sciences and Mathematics

- Undergraduate Student Winner: Claire Bailey, Biological Sciences, “Using high-quality photography to extract honey bee colony development”
- Graduate Student Winner: Emma Rhodes, Biological Sciences, “Migration distance co-varies with hematological traits in birds”

12. College of Veterinary Medicine

- Undergraduate Student Winner: Paige Hall, Veterinary Medicine, “Treatment of feline GM1 gangliosidosis by cerebrospinal fluid delivery of adeno-associated viral gene therapy”
- Graduate Student Winner: Samantha Bradley, Anatomy, Physiology and Pharmacology, “Effects of per- and polyfluoroalkyl substances on hormonal activity in the male rat gonad”

13. Auburn University at Montgomery

- Undergraduate Student Winner: Samantha Mejia, Biology and Environmental Science, “Digitizing the AUM herbarium: A valuable resource for biodiversity information”
- Graduate Student Winner: N/A