ORAL PRESENTATIONS

Human Engagement

Winner: Holly Rogers presented: *[Association of the Menstrual Cycle and Injury and Performance](#)* Mentors: David Rice and Jeanette Garcia. Holly is a Sport, Exercise, and Performance Psychology major at WVU and participates in the [Research Apprenticeship Program](#) (RAP).

Science & Technology

Winner: Kayla Massey presented: *[Impact of Monoclonal Antibody Treatment on EOAD and LOAD Hippocampus Volume.](#)* Mentors: Camila Vieira Ligo Teixeira, Marc W Haut. Kayla is a Neuroscience major at WVU and participates in the [Research Apprenticeship Program](#) (RAP).

POSTER PRESENTATIONS

Arts, Humanities, and Design

Winner: Zachary Ellis presented: *[The Future of Undergraduate Research Journals: Challenges and Opportunities.](#)* Mentor: Cinthia Pacheco. Zachary is a Biochemistry major at WVU.

Biological & Biochemical Sciences

Winner: Ashley Smalley presented: *[Electrokinetic Manipulation of Bioparticles in a Low-Cost Microdevice.](#)* Mentor: Soumya K. Srivastava. Ashley is a Biomedical Engineering major at WVU and participates in the [Research Apprenticeship Program](#) (RAP).

Runner-Up: Becky Chen presented: *[AAV-Mediated Gene Therapy Restores Vision in R325Q Mice ModelingBlue Cone Monochromacy.](#)* Mentor: Wen Tao Deng. Becky is a Biology major at WVU and participates in the [Research Apprenticeship Program](#) (RAP).

Runner-Up: Annalynn McCreary presented: *[RubyACR, a Novel Red-Shifted Inhibitory Opsin in Drosophila Flight Behaviors.](#)* Mentor: Bernard Schreurs. Annalynn is a Neuroscience major at WVU.

Environmental & Agricultural Sciences

Winner: Connor Lewis presented: *Quantum Computing and Classical Applications: Exploring the Impact of Quantum Computing in Ecology Modeling*. Mentor: Ignacio Segovia-Dominguez. Connor is a Data Science major at WVU.

Health Sciences

Winner: Jonathan Nguyen presented: *Gene therapy in a mouse model of blue cone monochromacy with advanced cone degeneration.* Mentor: Wen Tao Deng. Jonathan is a Biochemistry major at WVU and participates in the Research Apprenticeship Program (RAP).

Runner-Up (tie): Maya Carter presented: *A Comprehensive Look at the Social Influences Surrounding Illicit Substance Use Among Undergraduate Students.* Mentor: Steve Davis, PhD. Maya is a Public Health major at WVU.

Runner-Up (tie): Julia Auch presented: *First Aid 101: A First Aid Education for the West Virginia University Community.* Mentor: Steve Davis, Phd. Julia is a Public Health major at WVU.

Physical Sciences & Engineering

Winner: Supriya Rathinam presented: *Advancing STEM Education with Microfluidics: Lab-on-a-Chip Applications.* Mentor: Soumya Srivastava. Supriya is a Biomedical Engineering major at WVU and participates in the Research Apprenticeship Program (RAP).

Runner-Up: Mustafa Rai presented: *Personalizing estimates of body segment inertial parameters using a 3D scanning tool.* Mentor: Stephen Cain. Mustafa is a Biomedical Engineering major at WVU.

Social & Behavioral Sciences

Winner-tie: Larissa Joklik presented: *The Hidden Bias in AI-Powered Hiring Systems.* Mentor: Siobhain Lash. Larissa is a Cybersecurity major at WVU.
Winner-tie: Lauren Clark presented: *Amish Family Patterns: Birth Intervals, Family Size, and*

Maternal Well-Being Across Affiliations. Mentor: Rachel Stein. Lauren is a Criminology major at WVU.

Runner-Up: Faith Burrill presented: *Submitting to Authority: Sociopolitical Narratives in Christian Nationalism.* Mentor: Jayme Scally. Faith is a Regents Bachelor of Arts major at WVU.