Intersections: SOURCE Presentation Award Winners

April 2023

Arts and Humanities

1st   Anna Cormier. *The Socio-Economics of Youth Theater: Why Global Consciousness is Important in Theater Education.* Faculty Mentor: Jeffrey Ullom, Department of Theater.

Engineering and Computer Sciences

1st   Padma Narayanan. *Automated Processing Methods for In Vitro Expansion of Human Induced Pluripotent Stem Cells (hiPSCs).* Faculty Mentor: George Muschler, Department of Biomedical Engineering.

2nd   Kyle Golobish. *Machine Learning Based Acoustic Pipe Leak Detection*. Faculty Mentor: Kathryn Daltorio, Department of Mechanical & Aerospace Engineering.

Life Sciences

1st   Samara Henning. *Analyses of Extracellular Matrix Engulfment by the Microglia in the Developing Mouse Brain*. Faculty Mentor: Dhananjay Yellajoshyula, Department of Neuroscience.

2nd tied   Mitchell Valentine. *YES1 is a targetable vulnerability that improves taxane response in triple-negative breast cancer*. Faculty Mentor: Ruth Keri, Department of Cancer Biology.

2nd tied   Kevin Liu. *Comparison of Magnesium and Calcium as the Counter-Ion in Formation of DNA-Origami Nanoparticles.* Faculty Mentor: Divita Mathur, Department of Chemistry.

Physical Sciences

1st   Aman Kapoor. *Super-resolution fluorescence microscopy to assess protein fouling of membrane materials*. Faculty Mentor: Lydia Kisley, Department of Physics.

2nd   Mariana Blanco. *Estimating Seismicity on Mercury: An Initial Approach*. Faculty Mentor: Steven Hauck, Department of Earth, Environmental, and Planetary Sciences.

Social Sciences

1st tied   Andrew Deneris and Jordan Perrott. *Does the Threat of Death Save Lives: The Impact of the Death Penalty on Crime Rates in the United States?* Faculty Mentor: Jenny Hawkins, Department of Economics.

2nd tied   Kathy Nguyen. The representation of queer happiness in science fiction animated TV shows and their subsequent reimagination in fanfiction.Faculty Mentor: Lingfei Luan, Department of Cognitive Science.

2nd tied   Skylar Daniels. *Academic Assistance: Helpful for Grades, but Detrimental to Self-Esteem?.* Faculty Mentor: Mark Turner, Department of Cognitive Science.