

Intersections: SOURCE Presentation Award Winners December, 2021

Arts and Humanities

1st Cindy Tong. *Exploring College Students' Mental Health in the COVID-19 Era Through Narratives*. Faculty Mentor: Erin Lamb, PhD, Bioethics Department.

Engineering

1st (Tie) Jessica Harding, David Liu and Alexander Miyake. *The Better Entryway Security Tool Project*. Faculty Mentor: Hossein Lavasini, PhD, Electrical, Computer and Systems Engineering.

1st (Tie) Alice Qian, Crystal Ndamira, Grace Yeung and Shyam Polaconda. *A Two-in-one Band Ligation and Visualization Colonoscope for Band Ligation of Diverticula*. Faculty Mentor: Colin Drummond, PhD, Biomedical Engineering Department.

2nd Antonio Zimbello, Sang Weon Suh, Jiamu Yang and Zheyuan Hu. *Wearable Core Body Temperature Sensor for Athletes*. Faculty Mentor: Colin Drummond, PhD, Biomedical Engineering Department.

Life Sciences

1st (Tie) Amanda Li. *Temporal Dynamics of Intermediate and Neuroprogenitor Cells in the Fetal Macaque Brain Following Zika Virus Exposure*. Faculty Mentor: Kristina Adams Waldorf, MD, Department of Obstetrics & Gynecology (University of Washington).

1st (Tie) Dallas McDonald. *Physiological and pathological role of α -synuclein in the anterior segment of the eye*. Faculty Mentor: Neena Singh, MD, PhD., Department of Pathology.

2nd (Tie) Jane Venezia. *Day and Night Basking in Ohio Freshwater Turtles*. Faculty Mentor: Mike Benard, PhD, Biology Department.

2nd (Tie) Rachel Wyetzner. *Extracellular matrix quality/pattern in skin fibrosis is dependent on Wnt Signaling activation*. Faculty Mentor: Radhika Atit, PhD, Biology Department.

Physical Sciences

1st Michael Pogharian. *Effects of C5-Substitution on the Photodynamics of Uracil Derivatives: 5-Aminouracil, 5-Hydroxyuracil, and 5-Hydroxymethyluracil*. Faculty Mentor: Carlos Crespo-Hernández, PhD, Chemistry Department.

2nd Habin Jung. *Engineering of Iron Oxide Nanoparticles for the Magnetic Field Assisted Curing of Concrete*. Faculty Mentor: Anna Samia, PhD, Chemistry Department.

Social Sciences

1st (Tie) Valeria Wagner, *An In Depth look at Bilingualism in Puerto Rico and the Fear of Using English*. Faculty Mentor: Fey Parrill, PhD, Cognitive Science Department.

1st (Tie) Marissa Lahr, *Morphological Development in Children with Speech Sound Disorders*. Faculty Mentor: Barbara Lewis, PhD, Psychological Sciences Department.

2nd Elyssa Kim, *Effects of Social Isolation & Loneliness on the Mental Health of Youth Populations during the COVID-19 Pandemic*. Faculty Mentor: Anastasia Dimitropoulos, PhD, Psychological Sciences Department.