

**Intersections: SOURCE Presentation Award Winners
May, 2021**

Arts and Humanities

1st Joel Linebach, *Entropy*. Faculty Mentor: Karen Potter, Dance Department

Engineering

1st (tie) Liam Matthews, Ketan Jolly, *Computational Modeling of Thrombin Generation, Fibrin Formation, and Fibrinolysis in Hemostasis*. Faculty Mentor: Anirban Sen Gupta, Biomedical Engineering Department

1st (tie) Max Berky, Rohan A. Desai, Ruby Spada, Yuliang Ding, David Suh, *Healthy Baby Monitoring*. Faculty Mentor: Colin Drummond, Matthew Williams, Biomedical Engineering Department

2nd Caitlyn VonFeldt, Sophia Vaccaro, *Development of a Mechanical Testing Set-Up to Quantify Suture Tear Through Tendon Tissue*. Faculty Mentor: Ozan Akkus, Mechanical and Aerospace Engineering Department

Life Sciences

1st Karli Redinger, *Development of a Rapid Diagnosis Test for Plasmodium Vivax Malaria*. Faculty Mentor: Jürgen Bosch, Center for Global Health and Diseases

2nd Brendan Bourges-Sevenier, *Age Effects on Interactions Between Hunting and Defensive Behavior in the Praying Mantis (Tenodera sinensis)*. Faculty Mentor: Roy Ritzmann, Biology Department

Physical Sciences

1st Marcelo Beramendi Caballero, *Modeling the Heating Process of Aplysia Californica's Pleural-Abdominal Nerve Under Infrared Inhibition*. Faculty Mentors: Michael Jenkins, Hillel Chiel, Junqi Zhuo, Biomedical Engineering Department

2nd Ryan Buechele, *A Renormalization Group Theory Approach to Ordered Phases in Music* Faculty Mentor: Jesse Berezovsky, Physics Department

Social Sciences

1st (tie) Satya Moolani, *Does Create Circles' Volunteer Program Decrease Loneliness and Increase Sense of Purpose in Older Adults?* Faculty Mentor: Vera Tobin, Cognitive Science Department

1st (tie) Sydney Smith, *The Associations between Mathematic & Spatial Abilities, Self-Identification, and Math Anxiety*. Faculty Mentor: Lee Thompson, Psychological Sciences Department

2nd (tie) Isabel Davidson, *Gender Differences in Deceptive Speech: Analyzing Speech Patterns in Police Interrogations*. Faculty Mentor: Fey Parrill, Cognitive Science Department

2nd (tie) Wayne Hou, *"China Virus" and Black Lives Matter: Racial Identity Development in Asian American College Students*. Faculty Mentors: Lisa Nielson, Music Department; Randy Blackford, Office of Multicultural Affairs

Schubert@Intersections Competition Award Winners

May 2021

FIRST PLACE: ACEs & Adulthood: How Adverse Childhood Experiences Impact Individuals Later in Life
(Mentor: Anastasia Dimitropoulos, Psychological Sciences)

Anna Marie Giubileo

SECOND PLACE: Prognosis Associated Tumor Immune Signatures in Pediatric Neuroblastoma
(Mentors: Javed Khan and Katherine Masih, National Institutes of Health)

Zahin Islam

THIRD PLACE: Investigating Adverse Childhood Experiences and Schizotypy in Adults
(Mentor: Sarah Hope Lincoln, Psychological Sciences)

Nehal Methi

Honorable Mention: Reusable Pediatric Pulse Oximeter
(Mentor: Andrew Rollins, Biomedical Engineering)

Katherine Glaess, Olivia Love, Noelle Nelson

Honorable Mention: Old Versus New Version of a Test of Articulation: Similarities and Differences
(Mentor: Barbara Lewis, Psychological Sciences (Communication Sciences))

Amanda Beck

Michelson-Morley Research Competition Award Winners

Department of Biology

May 2021

FIRST PLACE: Profiling the Tumor Immune Microenvironment of the Pediatric Neuroblastoma Reveals Subtype Specific Immune Infiltrate and Alterations Under Therapeutic Pressure
(Mentors: Javed Khan and Katherine Masih, National Institutes of Health)

Zahin Islam

SECOND PLACE: Genomic characterization of glioblastoma tumors in the AYA and adult patient populations
(Mentor: Nicole Crown, Department of Biology)

Caroline Theile

THIRD PLACE: Investigating the Mechanism of Astrocyte Reactivity Reveals the Necessary Role of HDAC3 in their Pathological Transition

(Mentor: Paul Tesar, Genetic and Genomic Sciences)

James Kristell