

# Intersections: SOURCE Symposium & Poster Award Winners

## April 15, 2016

### Oral Presentations

#### Engineering

- 1<sup>st</sup> William Breckwoldt, *Walking Inverted on Ceilings with Wheel-Legs and Micro-Structured Adhesives*. Faculty Mentor: Roger Quinn, Mechanical and Aerospace Engineering.

#### Social Sciences

- 1<sup>st</sup> Michaela Epperson, *Beliefs, Resiliency, and Experiences with Intimate Partner Violence*. Faculty Mentor: Elizabeth J. Short, Psychological Sciences.

### Poster Presentations

#### Engineering

- 1<sup>st</sup> (tie) Phwey Gil, *The Effect of Molecular Geometry on Surfactant Effectiveness in Mixed Solvent Systems*. Faculty Mentor: Daniel Lacks, Chemical and Biomolecular Engineering.
- 1<sup>st</sup> (tie) Vikram Vasudevan, Robyn Marks, Megan Romelfanger, Shruti Shah & Brian Stump, *Strabismus Measurement Device*. Faculty Mentor: Colin Drummond, Biomedical Engineering.
- 2<sup>nd</sup> (tie) Tibby Duan, Nicholas DiFranco, Anurag Gupta, Clarissa Kos & Jackson Pilliod, *Novel Device for IV Injection Port Sterilization*. Faculty Mentor: Colin Drummond, Biomedical Engineering.
- 2<sup>nd</sup> (tie) Brandon White, *Characterizing the Association Between Mandible Strength & Function*. Faculty Mentor: Steven Eppell, Biomedical Engineering.

#### Nursing

- 1<sup>st</sup> Alexis Attinoto and Jennifer Brucken, *Antenatal Preparation for Labor and Delivery: Video Production and Guided Virtual Tour*. Faculty Mentor: Mary Quinn Griffin, FPB Nursing.

#### Natural Sciences

- 1<sup>st</sup> (tie) Jessica Asirwatham, *Role of SGLT-4 in the reabsorption of fructose in the proximal tubules*. Faculty Mentor: Jeffrey Garvin, Physiology and Biophysics.
- 1<sup>st</sup> (tie) Alice Zhou, *Structural Studies of Enterovirus 71: hnRNP A1 with IRES Stem Loop VI*. Faculty Mentor: Blanton Tolbert, Chemistry.
- 2<sup>nd</sup> (tie) Sophia Senderak, *Mechanisms of opening and closing within the feeding apparatus of the marine mollusk *Aplysia californica**. Faculty Mentor: Hillel Chiel, Biology.
- 2<sup>nd</sup> (tie) Mariel Tader, *Variational Methods for the Prediction of Exciton Free Energy in Semi-Conductors*. Faculty Mentor: Harsh Mathur, Physics.
- 2<sup>nd</sup> (tie) Jeniece Montellano, *Green tea polyphenol-induced DAB2IP expression is regulated by Ezh2 in prostate cancer cells*. Faculty Mentor: Sanjay Gupta, Urology UH.
- 2<sup>nd</sup> (tie) Riki Drout, *Novel Monomers for Chain Growth Polymerization*. Faculty Mentor: Emily Pentzer, Chemistry.

#### Social Sciences

- 1<sup>st</sup> (tie) Danika Baskar, *The Development of Maternal Identity in the NICU: An Analysis of Programs and Initiatives Designed to Promote Increased Maternal Engagement*. Faculty Mentor: Vanessa Hildebrand, Anthropology.
- 1<sup>st</sup> (tie) Kristina Bowdrie, *Definitions of Child Maltreatment in Cleveland: A Comparison of Residents' Views from 1995 and 2015*. Faculty Mentor: James Spilsbury, Epidemiology and Biostatistics.
- 2<sup>nd</sup> Michael McKenna, *Exploring how emotional states affect exploit and explore behaviors*. Faculty Mentor: Heath Demaree, Psychological Sciences.