

# Intersections: SOURCE Symposium & Poster Award Winners

## April 17, 2015

### Oral Presentations

#### Engineering

- 1<sup>st</sup> (tie) Taylor Nguyen, *Materials development for large-scale production of organic light emitting diodes*. Faculty Mentor: Mohan Sankaran, Chemical and Biomolecular Engineering.
- 1<sup>st</sup> (tie) Elishama Kanu, *Correlating kinetics and kinematics of earthworm peristaltic locomotion*. Faculty Mentor: Hillel Chiel, Biology.

#### Natural Sciences

- 1<sup>st</sup> (tie) Anisha Garg, *Investigation of the effects of STAT1 post-translational modification on the interferon  $\gamma$  signaling responses*. Faculty Mentor: Barbara Kuemerle, Biology.
- 1<sup>st</sup> (tie) Raghav Tripathi, *Incidence and survival of sebaceous carcinoma in the United States*. Faculty Mentor: Jeremy Bordeaux, Dermatology.

### Poster Presentations

#### Engineering

- 1<sup>st</sup> (tie) Diana Acosta, *Study of the Second Virial Coefficient of Cowpea Mosaic Virus Under Varying pH and Ionic Strength Using Composition Gradient Multi-Angle Static Light Scattering*. Faculty Mentor: Roger French, Materials Science and Engineering.
- 1<sup>st</sup> (tie) Margaret Mack, *Nanoparticle-mediated delivery of small interfering RNA as a therapy for drug-resistant triple-negative breast cancer*. Faculty Mentor: Zheng-Rong Lu, Biomedical Engineering.
- 2<sup>nd</sup> (tie) Paul Advincula, *Carbazole-assisted Electrodeposition of Graphene Oxide: Synthesis, Characterization and Directed Deposition*. Faculty Mentor: Rigoberto Advincula, Macromolecular Sciences and Engineering.
- 2<sup>nd</sup> (tie) Samantha Butler, *A Single-use, Disposable, In Vitro Platinum-Based Biosensor for the Detection of Extremely Low Level Nitric Oxide in Aqueous Medium*. Faculty Mentor: Chung-Chiun Liu, Chemical and Biomolecular Engineering

#### Nursing

- 1<sup>st</sup> Moriah Watts, *Increasing Colorectal Cancer Screening*. Faculty Mentor: Marilyn Lotas, Nursing.
- 2<sup>nd</sup> (tie) Sara Mithani, *Self-care Instructions Improve Biomarkers for Gum Disease in Postmenopausal Women*. Faculty Mentor: Leena Palomo, Dentistry
- 2<sup>nd</sup> (tie) Rachael Wieber & Breanon Glover, *Improving Nutrition Knowledge Among Irish Traveller Children*. Faculty Mentor: Mary Quinn Griffin, Nursing

#### Natural Sciences

- 1<sup>st</sup> (tie) William Qu, *Engineering a MGMT mutation in hematopoietic cells with the CRISPR/Cas system to confer resistance to high dose chemotherapy*. Faculty Mentor: Paul Tesar, Genetics
- 1<sup>st</sup> (tie) Logan Smith, *Analysis and Processing of Hyperspectral Data with the Purpose of Classification*. Faculty Mentor: Julia Dobrosotskaya, Mathematics
- 2<sup>nd</sup> (tie) Arvind Haran, *Optimizing Immunofluorescence Staining of Whole Mount Quail Embryonic Hearts*. Faculty Mentor: Michael Jenkins, Pediatrics
- 2<sup>nd</sup> (tie) Elishama Kanu, *Correlating kinetics and kinematics of earthworm peristaltic locomotion*. Faculty Mentor: Hillel Chiel, Biology
- 2<sup>nd</sup> (tie) Katie Pezzot, *Crowdsourcing in Epidemiology: Current Utilities, Trends and Standards*. Faculty Mentor: Jiayang Sun, Epidemiology and Biostatistics
- 2<sup>nd</sup> (tie) Samir Shah, *Physics, Model of Arm Movements by Estimation of Intended Equilibrium Posture and Relationship to Electromyograms*. Faculty Mentors: Matthew Williams and Robert Kirsch, Biomedical Engineering.

#### Management & Accounting

- 1<sup>st</sup> Harini Ushasri and Liana Manuel, *Influence of a Leader's Gender on a Group's Confidence in Completing a Behavioral Task*. Faculty Mentor: John Paul Stephens, Organizational Behavior

## **Social Sciences**

- 1<sup>st</sup> Alayna Klco, *The Impact of Political Change and Education Reform on Youth Aymara Identity in Bolivia*. Faculty Mentor: Katia Almeida, Anthropology.
- 2<sup>nd</sup> (tie) Kathy Lin, *The Relationship Between Parent Anxiety, Parental Behaviors, and Child Play*. Faculty Mentor: Amy Przeworski, Psychological Sciences.
- 2<sup>nd</sup> (tie) Lauren Pohl, *Coming Out: Self-Esteem and Sexual Identity Distress as Predictors of LGBTQ Individuals' Level of Sexual Identity Disclosure*. Faculty Mentor: Amy Przeworski, Psychological Sciences.
- 2<sup>nd</sup> (tie) Lisa Richey, *Psychosocial Adjustment of University Students Studying Abroad in India*. Faculty Mentor: Kathryn Rothenberg, Psychological Sciences.