Oral Presentations

**Biological Sciences**
1st Graciela Marez, *A review of coral reef ecosystems and the anthropogenic issues that threaten their existence*. Faculty Mentor: Richard Drushel, Biology.

**Humanities**
1st Dominica Rollins, *The Roman Coins in the Kelvin Smith Library’s Special Collections*. Faculty Mentor: Paul Iversen, Classics.

**Physical Sciences and Math**

**Social Sciences**
2nd tie Jonathan Daniels, *Learning and Learning Transfer in Problem-Solving Progressions*. Faculty Mentor: Brooke Macnamara, Psychology.
2nd tie Alena Sorensen, *Leveraging Networks: A Study of Communities of Opportunity Grant Recipients*. Faculty Mentor: Jessica Kelley, Sociology.

**Engineering and Computer Science**

**Business and Management**

Poster Presentations

**Biological Sciences**

2nd (tie) Diya Ramanathan, *Intracellular and Extracellular Parasitic Load Positively Correlate with Geographic Range in Host Primate Species*. Faculty Mentor: Jean Burns, Biology.

**Humanities**

1st Austin Stroud, *Does neuroscience threaten our humanity? Endorsement of neuroenhancement is associated with anti-social personality*. Faculty Mentor: Anthony Jack, Philosophy.

2nd Anna Goff, *Ethics of Twin-to-Twin Skin Grafting*. Faculty Mentor: Monica Gerrek, Bioethics.

**Physical Sciences and Math**

1st (tie) Maya Rao, *Comparing Leukocyte Depletion Efficiency between Leukocyte Filters in Ex-Vivo Perfusion Circuits*. Faculty Mentor: Drew Meyer, Chemistry.

1st (tie) Hannah Goldberg, *Designing, Building, and Testing a Semiconductor Based Macrobolometer for Troubleshooting the Optics in Spider*. Faculty Mentor: John Ruhl, Physics.


2nd (tie) Madelyn McMillen, *Functionalized Graphene Oxide as a Surfactant for Ultrasound and Photoacoustic Contrast Agent*. Faculty Mentor: Emily Pentzer, Chemistry.

**Social Sciences**

1st (tie) Rasheed Ajala, Priyal Chadha, *Does overspending on healthcare benefit patients with acute conditions?* Faculty Mentor: Jenny Hawkins, Economics.

1st (tie) Mollie Hobensack, *Leveraging GIS to Analyze the Incidence of Inter-Hospital Medical Transfers in the US*. Faculty Mentor: Andrew Reimer, Nursing.


Engineering and Computer Science

1st (tie)  Brian Li, Mark Lalor, Yidi Huang, *Open Source Authentication as a Service, Auth1*. Faculty Mentor: Soumya Ray, Electrical Engineering & Computer Science.

1st (tie)  John Bradford, Stephanie Davis, Wyatt Becicka, Joel Rand, Kenji Miyazawa, *Esophageal Protection Device for Atrial Catheter Ablation*. Faculty Mentors: Colin Drummond and Matthew Williams, Biomedical Engineering, James D. Reynolds, Department of Anesthesiology, School of Medicine.


2nd (tie)  Doe Yong Choi, Rajiv Trehan, Chao-Yi Lu, Charles Zeng, Improved Resection and Retrieval of Flat Polyps for Early Detection and Prevention of Colon Cancers. Faculty Mentors: Colin Drummond and Matthew Williams, Biomedical Engineering, Amitabh Chak, MD, University Hospitals.