



College of Engineering REU Research Symposium
 Coverdell Center for Biomedical and Health
 Sciences Auditorium
 Thursday, July 27th, 2017



8:00 am	Sign in
8:10 am	Opening : Kylee Klinkowski
8:15 am	Welcome: Dean Donald J. Leo, College of Engineering
8:30 am	<p align="center">Bryana Nycole Harris</p> <p>Project: Microfluidic Magnetic Cell Sorter for Breast Cancer Circulating Tumor Cells Mentor: Dr. Leidong Mao, Yang Liu, and Wujun Zhao</p>
8:45 am	<p align="center">Jessica Lee Aldrich</p> <p>Project: Development of Mn@C-dot based contrast agents Mentor: Dr. Jin Xie and Daye Lee</p>
9:00 am	<p align="center">Rachel Monroe</p> <p>Project: Printing Solidified Biomembrane Networks Mentor: Dr. Eric Freeman and Elio Challita</p>
9:15 am	<p align="center">Savannah Dale</p> <p>Project: Structured Illumination Light Sheet Microscopy to Image Seizures in Gad1b Mutant Zebrafish Embryos Mentor: Dr. Peter Kner and Yang Liu</p>
9:30 am	<p align="center">Grace Marie Jeanpierre</p> <p>Project: Spiral Catheter with 1550 nm Fiber-Bragg Grating and Match Zehnder Interferometer Sensors for Atrial Electroanatomic Mapping Mentors: Dr. Mable Fok and Li Xu</p>
9:45 am	<p align="center">Kelly Williams</p> <p>Project: Nitric Oxide-based Modulation of Cell Binding Mentor: Dr. Luke J Mortensen and Bobby Leitmann</p>
10:00 am	Break, Refreshments
10:15 am	<p align="center">Kenya Alfaro</p> <p>Project: Measuring the Change of Mitochondrial Morphology in RSV Infected MH-S Cells using STORM Mentor: Dr. Peter Kner and Abhijit Marar</p>
10:30 am	<p align="center">Kylee Klinkowski</p> <p>Project: Optimization of a Microfluidics Device for the Cell Separation of F98 Glioma Cells from Primary Rat Astrocytes Mentor: Dr. Lohitash Karumbaiah and Meghan Logan</p>
10:45 am	<p align="center">Rudy Montayre</p> <p>Project: Force Sensing Soft Robot Mentors: Dr. Zion Tse and Austin Taylor</p>
11:00 am	<p align="center">Emily Nieves</p> <p>Project: Mathematical Modeling of Renal Function Decline As a Result of Crystal Formation in Patients with Hyperoxaluria Mentor: Dr. Hallow</p>
11:15 am	<p align="center">Christopher Lee</p> <p>Project: Role of Nanoparticles' Surface Coating Mechanics in Cellular Uptake Mentor: Dr. Xianqiao Wang, Dr. Jin Xie, and Matthew Becton</p>
11:30 am	Closing Remarks: Jessica Lee Aldrich