

CHEMICAL AND BIOMOLECULAR ENGINEERING UNDERGRADUATE RESEARCH POSTERS

04.24.2018

3:30 - 5:00

and

04.26.2018

1:00 - 2:30

E2, 114

Spring 2018

Showcasing research
from the

Burke, Burkey, Cho,
Nieh, Pascal, Shor,
Stuber, Wagstrom, and
Willis groups



Student Posters

1. Marisa Boch, "Effect of Silk Hydrogel Topography on Intestinal Epithelial Cell Morphology and Wound Healing *In Vitro*," Advisor: Dr. Burke
2. Anita Luxkaranayagam, "Modeling of Air Pollution Effects on the Lung Microbiome Using Systems Biology," Advisor: Dr. Wagstrom
3. Tanisha Sullivan, "Narrative and Service Learning in Engineering Education," Advisor: Dr. Pascal
4. Dana Parmalee, Soha Nadeem, Kevin Lei, Erick Bailey, "Developing an Air Pollution Monitoring Drone," Advisor: Dr. Wagstrom
5. Robert Ernst, "EAGO Software Package and Branch and Bound Based Optimization Routines," Advisor: Dr. Stuber
6. Colby Buehler, "Assessing Herbicide Drift from Conventional to Organic Farmland," Advisor: Dr. Wagstrom
7. Nicholas Oliveira, "Simulations of Optical Transmission Through Multilayer Dielectric Coatings for Energy Efficient Lighting," Advisor: Dr. Willis
8. Caressa Wakeman, "Estimating Air Pollution at Schools in Connecticut," Advisor: Dr. Wagstrom

Student Posters

9. Abiha Jafri, "Transport Modeling in the Tumor Microenvironment," Advisor: Dr. Stuber

10. Shantal Carr, "A Socio-Technical Model for Teaching Engineers How to Communicate," Advisor: Dr. Pascal

11. Landon Bassett, "Cards Against Engineering Ethics, and Intro to Engineering Narrative," Advisor: Dr. Burkey

12. James McLellan, "Pore-Scale Moisture Retention in Emulated Soil Micromodels," Advisor: Dr. Shor

