CHEMICAL AND BIOMOLECULAR ENGINEERING UNDERGRADUATE RESEARCH POSTERS

Spring 2018

Showcasing research from the Burke, Burkey, Cho, Nieh, Pascal, Shor, Stuber, Wagstrom, and Willis groups
Student Posters

1. Jacob Chicano, "Nonlinear Model Predictive Control for Wastewater Treatment," Advisor: Dr. Stuber


3. Connor Dion, "Transport Modeling in the Tumor Microenvironment," Advisor: Dr. Stuber

4. Howard Craig, "Processing of Resistance Responses from Saturated Organic Vapors," Advisor: Dr. Willis

5. Tori Danis, Lauren Contenta, Daniel Wackelin, "Bacterial Expression and Purification of Engineered Tau," Advisor: Dr. Cho


7. Sydney Wimberley, "Engineering Liquid Crystalline Phases for Cell Culture Materials," Advisor: Dr. Burke

8. Kealy Walters and Matthew Lewicki, "Modeling Air Pollution Exposure to Cyclists in Different Cities," Advisor: Dr. Wagstrom

Student Posters

10. Amy McKinstry, "The Synthesis and Characterization of Liquid Crystalline Materials," Advisor: Dr. Burke


12. Alexandra Oliveira, "Predictive Modeling of Multi-Component Chemical Vapor Sensors," Advisor: Dr. Willis


15. Clark Stan, "Visual Literacy in Engineering Education," Advisor: Dr. Pascal

16. Liam Evans, "Optimization of lipid / Gold NanoParticle / Fluorescence dye composition for high emission carriers," Advisor: Dr. Nieh

17. Brianna Mancuso, Brianna Markunas, Kevin Yang, "Designing a Community Air Quality Assessment Methodology," Advisor: Dr. Wagstrom
18. Albert Tulli IV, "Affect of Aging on Rheological Properties of Engineered Silk Hydrogels," Advisor: Dr. Burke


20. Sricharan Kadimi, "ssDNA and Bicellar Nanodisc Complexes: A Template for siRNA Delivery Systems," Advisor: Dr. Nieh