



BIOFILM METHODS WORKSHOP: From Ideas to Implementation

Tuesday, July 9, 2024
Barnard Hall, Room 323

9:00–9:15	Welcome & Introductions	323 BH
9:15–10:30	In the lab: MBEC assay ASTM E279 with SBML	301 BH
10:30–10:45	Break	
10:45–11:30	Stats / Interlaboratory Study with Al Parker	323 BH
11:30–1:00	Group Photo/Lunch	Outside BH/Rendezvous Dining Hall
1:00–2:00	In the lab: Drip Flow Reactor with MBL	316 BH
2:00–2:15	Break	
2:15–2:45	Imaging with SBML & MBL	327 BH
2:45–3:15	Image processing & analysis demonstration with Heidi Smith	327 BH
3:15–3:45	Bioanalysis demonstration with Kristen Connolly	332 BH
3:45–4:00	Wrap-Up/Discussion	323 BH

Abstract:

The 2024 Biofilm Methods Workshop will highlight the equipment, methods, and techniques available at the CBE to help Industrial Associates achieve their research, development, and regulatory goals. Attendees will have the opportunity for hands-on participation with many of the techniques and small group discussions with CBE subject matter experts. Participants will learn how two methods—the Minimum Biofilm Eradication Concentration Assay (ASTM E2799-22) and the Drip-flow Reactor—can be utilized in a series to develop and evaluate applications of novel antimicrobials. A biostatistical analysis of a multi-lab study will highlight the evaluation of standardized methods. Finally, a focus on imaging and bioanalytical approaches will demonstrate how these techniques can enhance and complement standard plate count data to add depth to a study. This workshop is ideal for those new to biofilm research, experienced researchers who are interested in new application areas, and folks who would appreciate focused time with experienced biofilm researchers.