



## Montana Biofilm Science & Technology Meeting and Workshops



Featuring: a day of Engineered Living Materials (ELM)

July 11-13, 2023

### BIOFILM METHODS WORKSHOP Monday, July 10, 2023

9:00 – 10:30	<b>Presentations</b> Welcome & Group Introductions – <i>Matthew Fields &amp; Darla Goeres</i> What is a biofilm and how are biofilm methods developed – <i>Chris Jones</i> Overview of validated biofilm standard methods – <i>Kelli Buckingham-Meyer</i> Overview of the CBE imaging facility – <i>Heidi Smith</i> Overview of the CBE analytical facility – <i>Kristen Connolly</i>	323 BH
10:30 – 10:45	<b>Break</b>	323 BH
10:45 – 12:15	<b>Hands-on activity: Standardized Biofilm Methods Lab (SBML)</b> Efficacy testing using the CDC biofilm reactor and single tube method + imaging coupons	301 BH
12:15 - 1:30	<b>LUNCH</b>	Rendezvous Dining Hall
1:30 – 3:00	<b>Hands-on activity: Medical Biofilms Lab (MBL)</b> Drip flow reactor wound biofilm model + imaging	316 BH
3:00 - 3:15	<b>Break</b>	323 BH
3:15 – 4:00	<b>Statistical best practices – Al Parker</b>	323 BH
4:00	<b>Wrap-Up/Discussion</b>	323 BH

#### Abstract:

This workshop will cover biofilm basics, methods development, an overview of validated biofilm methods, and a review of the CBE's imaging and analytical facilities. Participants will learn how the Standardized Biofilm Methods Lab (SBML) assesses efficacy and clean in place procedures for industrial applications and how the Medical Biofilms Lab (MBL) determines kill and removal of a clinically relevant biofilm. The workshop will conclude with guidelines on statistical best practices recommended by the CBE statistician. 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.