

**2021 Montana Biofilm Science & Technology Meeting  
Virtual Open House Program**

Wed., July 14 1:00–3:00 p.m. MDT

Join here: <http://bit.ly/cbe-mbm21-openhouse>



<b>POSTERS</b>	
<b>TITLE</b>	<b>PRESENTER</b>
Confocal Microscopy Techniques for Identification of Pharmaceutical Impacts on Aerobic Granular Sludge	Kylie Bodle
Examining Carbon Flux through Alkali-tolerant Alga under Light Stress	Charles J. Holcomb
In Silico Analysis of Value-Added Chemical Production from Methane	Adrienne D. Arnold
Using nuclear magnetic resonance to characterize EPS of aerobic granular sludge with the aid of contrast agents	Matthew Willett
Impacts of Pharmaceuticals on Aerobic Granules vs. Planktonic Cultures	Madeline Pernat
Removal of PFAS from synthetic wastewater using aerobic granular sludge in sequencing batch reactor	Tasnim Sultana Ritu
Investigation of Complete Groundwater Denitrification Utilizing an Environmentally Relevant Bacterial Co-culture	Uve Strautmanis
Investigation of Raman spectroscopic signatures with multivariate statistics: an approach for cataloguing microbial biosignatures	Mitch W. Messmer
Understanding Microbial Interactions in Fungal-Bacterial Biofilms: Implications for Selenium Remediation	Sandra Kohl
Observations of Carbon and Nitrogen Removal in Treatment Wetlands	Nina Denny
<b>LAB DEMOS</b>	
<b>TITLE</b>	<b>PRESENTER</b>
Growing a hard water/biofilm matrix in silicone tubing	Ian Novak, Standard Biofilm Methods Lab
Colony Drip Flow Reactor	Kelly Kirker, Medical Biofilms Lab
3D Printing with Materials and Microbes	Reha Abbasi & Isaak Thornton, Soft Materials Lab

Simple method for imaging bacteria-immune cell interactions on a surface using confocal microscopy	Brian A. Pettygrove, Biofilm Control Lab
A BONCAT-FACS Demonstration: Activity-based characterization of microbial phycosome communities associated with the alkali-tolerant green alga <i>Chlorella Sorokiniana</i> str. SLA-04	Isaac Miller, Applied Microbial Ecology Lab
<b>ASK AN EXPERT</b>	
<b>TOPIC</b>	<b>EXPERT</b>
DNA/RNA sequence analyses (16S, metagenomics, metatranscriptomics)	Luke McKay
Biofilm control	Phil Stewart
Fungal biofilms	Erika J. Espinosa-Ortiz
Wastewater treatment for the 21st century	Catherine Kirkland
Medical biofilms	Garth James
Biofilm sensing	Stephan Warnat
Regulatory Science	Darla Goeres
Microbial ecology	Matthew Fields
Food production & biofilms	Diane Walker
CBE industry program	Paul Sturman
Biostatistics	Al Parker
Water Treatment Processes	Ellen Lauchnor
Systems biology and NASA's mission to MARS	Ross Carlson