

CBE Seminar Series: Spring 2018
 Montana State University, Roberts Hall 301, 4:10 pm

Date	Speaker	Affiliation	Title/Topic
Jan 11	Dr. Jeffrey Marlow	Postdoctoral Scholar, Organismic & Evolutionary Biology, Harvard University	Methane oxidation on the seafloor: Decoding the determinants of metabolic rate
Jan 18	No Seminar		
Jan 25	No Seminar		
Feb 1	Dr. Karen Lloyd	Assistant Professor, Microbiology, University of Tennessee, Knoxville	Determining the environmental functions of phylogenetically divergent uncultured microbes
Feb 8	Dr. Elliott Barnhart	Research Hydrologist & Microbiologist, USGS Wyoming-Montana Water Science Center, Helena, MT	Moving microbiology and DNA analysis out of the lab and into the field with new technology
Feb 15	Dr. Adrienne Phillips Vincent Morasko Ryenne Daily Dr. Catherine Kirkland Zach Frieling	Assistant Professor, Civil Eng., CBE MS Student, Chem. & Bio. Eng., CBE MS Student, Chem. & Bio. Eng., CBE Asst. Research Professor, Civil Eng., CBE MS Student, Chem. & Bio. Eng., CBE	Urease: A journey from the laboratory to the field
Feb 22	Dr. Darla Goeres Dr. Garth James Dr. Phil Stewart Dr. Paul Sturman	Assoc. Research Professor, Chem. & Bio. Eng., MSU, CBE Assoc. Research Professor, Chem. & Bio. Eng., MSU, CBE Professor, Chem. & Bio. Eng., MSU, CBE CBE Industrial Coordinator	Debrief on the CBE-sponsored biofilm regulatory meeting in Washington, D.C. and our path forward
Mar 1	Dr. David Hodge	Associate Professor, Chemical and Biological Engineering, MSU	Production of renewable fuels, chemicals, and materials from plant biomass through integrated conversion processes
Mar 8	Ashley Beck	PhD Candidate, Microbiology and Immunology, MSU, CBE	Doctoral Defense: Microbial interactions and the role of environmental stress in natural and synthetic consortia
Mar 15	No Seminar- Spring Break		
Mar 22	Dr. Stephanie Wettstein	Assistant Professor, Chemical and Biological Engineering, MSU	Heterogeneous catalysts for lignocellulosic biomass upgrading
Mar 29	Dr. Stephan Warnat	Assistant Professor, Mechanical & Industrial Engineering, MSU	Environmental monitoring using MEMS and microfluidic devices
Apr 5	Dr. Tammy Kielian	Professor, Choudari Kommineni, DVM, Dept. of Pathology and Microbiology, University of Nebraska Medical Center	Hiding in plain sight: How <i>Staphylococcus aureus</i> biofilms trigger innate immune cell dysfunction
Apr 12	Undergraduate Research Day	Daniel Peters, Chemical and Biological Eng., MSU, CBE	Characterizing algae growth and biomass composition under phototrophic, mixotrophic, and heterotrophic conditions
		Hannah Szafraniec, Chemical and Biological Eng., MSU, CBE	Viral characterization of Influenza A virus in microfluidic drops
		Aaron Benjamin, Mechanical & Industrial Eng., MSU, CBE	3D-printed sub-millimeter vasculature in hydrogel
Apr 19	Dr. William B. Whitman	Professor, Microbiology, University of Georgia, Athens	Heterologous expression of the methylreductase of methanogens: A peek into the making of a complex enzyme system
Apr 26	No Seminar- Last Week of Classes		