Tuesday
July 13

9:15–9:25
Opening Remarks
Matthew Fields
CBE Director
Professor, Microbiology & Immunology, MSU
Paul Sturman, CBE Industrial Coordinator

SESSION 1: Biofilm Matrix

9:25–9:30
Session Introduction
Matthew Fields

9:30–10:10
The biofilm matrix as a cooperative and competitive trait
Hans Steenackers, Assistant Professor, Microbial & Molecular Systems, KU Leuven, Belgium

10:10–10:50
Biofilm mechanics as a surface survival mechanism for them but a drag for us
Paul Stoodley, Professor, Microbial Infection & Immunity; Director, Campus Microscopy & Imaging Facility, The Ohio State University

12:00–12:40
Matrix in the context of biofilm 3D printing
Reha Abbasi, Postdoctoral Researcher, CBE

12:40–1:00 Break

PANEL DISCUSSION

1:00–2:00
Uncovering the hidden potential and known challenges of the biofilm matrix
Matthew Fields
Sarah Finn, Senior Microbiology Manager, Kersia
Jan Hodges, Director, QA & Regulatory Affairs, Quest Medical
Hans Steenackers
Paul Stoodley
Moderator:
Darla Goeres, Research Professor of Regulatory Science, CBE
Co-Moderator:
Jim Wilking, Associate Professor, Chemical & Biological Engineering, MSU, CBE

Wednesday
July 14

9:15–9:25
Opening Remarks
Matthew Fields
Paul Sturman

SESSION 2: Medical Biofilms

9:25–9:30
Session Introduction
Garth James, PI, Medical Biofilms Laboratory, CBE; Assoc. Research Professor, Chem. & Bio. Eng., MSU

9:30–10:10
The infectious microenvironment and biofilms
Thomas Bjarnsholt, Professor, International Health, Immunology & Microbiology, University of Copenhagen, Denmark

10:10–10:50
The wound microbiome
Garth James

11:20–12:00
Factors that influence microbial ingress into Luer activated valves for intravascular administration sets
Elinor Pulcini, Assistant Research Professor, Chemical & Biological Engineering, MSU, CBE

SPECIAL PRESENTATION

12:00–12:40
Biofilms as hot spots for gene transfer
Phil Stewart, Regents Professor, Chemical & Biological Eng., MSU, CBE

12:40–1:00 Break
Thursday
July 15

9:15–9:25
Opening Remarks
Matthew Fields
Paul Sturman

SESSION 3: Industrial Biofilms

9:25–9:30
Session Introduction
Darla Goeres

9:30–10:10
Beer draught line challenge: Biofilm vs. chemistry
Darla Goeres

10:10–10:50
Impacts of an antibacterial coating on the growth of ISS isolates for single and mixed domain biofilms
Madelyn Mettler, PhD Student, Chemical & Biological Eng., MSU, CBE

10:50–11:20 Break

11:20–12:00
Fungal biofilms: The good, the bad, and the unknown
Erika Espinosa-Ortiz, Asst. Research Professor
Chemical & Biological Eng., MSU, CBE

12:00–12:40
Sensing slime: Microfabricated sensors to detect biofilm
Matt McGlennen, PhD Student
Mechanical & Industrial Eng., MSU, CBE

12:40–1:00 Break

Strategic Planning Meeting
1:00–2:30
CBE Industrial Associates