

Jan. 29-30, 2025

ANTI-BIOFILM TECHNOLOGIES:
Pathways to Product Development

Crystal Gateway Marriott Hotel, Arlington, VA

Final AGENDA

2/4/2025 3:57 PM

**Wednesday
January 29**

7:30–8:00

Cont. Breakfast Sky View

**Registration/Name badge
pick-up** Salons DE

8:00

Meeting Start Salons DE

8:00–8:10

Introductory Remarks

Matthew Fields, Director,
CBE; Prof., Microbiology
and Cell Biology, MSU
Darla Goeres, Industrial
Coordinator, Regulatory
Research Professor, CBE

**SESSION 1: Healthcare
Associated Infections**

8:10-8:15

Session Introduction

Garth James, PI, Medical
Biofilms Laboratory, CBE;
Assoc. Research Professor,
Chemical and Biological
Engineering, MSU

Keynote Presentation

8:15–9:00

**Wastewater environment as
a complex reservoir for
AMR-causing hospital
acquired infections and
mitigation strategies**

Shireen Kotay, Research
Scientist, Div. of Infectious
Diseases & Int'l Health,
School of Medicine,
University of Virginia

9:00–9:30

**Needless connector design
and infection risk:
Confirming the in-vitro
through publicly reported
surveillance data**

Jason Battle, Senior Clinical
Specialist, Research, ICU
Medical

9:30–10:00

Antimicrobial silver

Garth James

10:00–10:30 Break Sky View

10:30–11:00

**Navigating the medical
device regulatory landscape:
From concept to market**

Jeanne Lee, Vice President,
Quality, Clinical and
Regulatory Affairs, Next
Science

11:00–11:30

**Enzymes, antibiotics, and
bacteriophage: Creating
combinations to disperse
and kill biofilms of
antibiotic-resistant bacteria**

Kristi Frank, Associate
Professor, Microbiology
and Immunology,
Uniformed Services
University of the Health
Sciences

11:30–12:00

**Mimicking bacterial
contamination in the
surgical operating room**

Matt Libera, Professor,
Chemical Engineering and
Materials Science, Stevens
Institute of Technology

12:00–12:10

Session Closing Remarks

12:10–1:40 Lunch Sky View

**SESSION 2: Current
and Emerging Needs in
Surface Disinfection**

1:40-1:45

Session Introduction

Chris Jones, PI, Standardized
Biofilm Methods Laboratory,
CBE

Keynote Presentation

1:45–2:30

**What might volatile
metabolites tell us?**

Jane Hill, CEO, Shirley
Diagnostics; Associate
Professor, Chemical and
Biological Engineering,
University of British
Columbia

2:30–3:00

Dry biofilms

Liz Sandvik, Research
Engineer, CBE

3:00–3:30 Break Sky View

3:30–4:00

**Dual-species biofilm
formation by bacterial
pathogens and their removal
by sanitizers**

Jitu Patel, Lead Scientist,
Environmental and
Microbial Food Safety
Laboratory, USDA-ARS

4:00–4:30

Biofilm love in the subsurface: New methods and insights

Birthe V. Kjellerup,
Professor, Civil and
Environmental
Engineering, University of
Maryland at College Park

4:30–5:00

The impact of test variability on regulatory decisions for hand hygiene

Al Parker, Biostatistician,
CBE; Associate Research
Professor, Mathematical
Sciences, MSU

5:00–5:10

Session Closing Remarks

5:10–7:10 Networking

Reception Sky View

Thursday January 30

8:00–8:30

Cont. Breakfast Sky View

Registration/Name badge

pick-up Salons DE

8:30

Meeting Start Salons DE

8:30–8:35

Introductory Remarks

Matthew Fields
Darla Goeres

Keynote Presentation

8:35–9:05

***Pseudomonas aeruginosa* initiates a rapid and specific transcriptional response during surface attachment**

Chris Jones

SESSION 3: Methods in Action

9:05–9:10

Session Introduction

Darla Goeres

9:10–9:30

Creating pathways to drive biofilm innovation: Building consensus on biofilm regulatory decision making

Darla Goeres

9:30–10:00

***Acanthamoeba*, biofilms, and pathways toward standardization of contact lens care products**

William Domm, Senior
Research Scientist, Vision
Care Research and
Development, Bausch +
Lomb

10:00–10:30 Break Sky View

10:30–11:00

Biofilms in manufacturing environments

Charles Pettigrew, Research
Fellow, Arxada

11:00–11:20

Regulatory science and biofilms: Methods for biofilm soil formation on reusable stainless steel medical device material

Bruno Haas, Scientific Group
Leader, Infection
Prevention Technologies
R&D, STERIS

11:20–11:40

Models for wound infection research

Erin Gloag, Assistant
Professor, Microbiology,
Virginia Technological
University

11:40–12:00

Session and Meeting Closing Remarks

Darla Goeres

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The Center for Biofilm Engineering gratefully acknowledges Symcel for its meeting sponsorship.



Mark your calendar!

*CBE's Montana Biofilm Meeting
July 9–11, 2025
Bozeman, MT*