

February 7-8, 2023

ANTI-BIOFILM TECHNOLOGIES:  
**Pathways to Product Development**

Hilton Arlington National Landing Hotel, Arlington, VA

12/8/2022 3:23 PM

## Draft AGENDA

### Tuesday February 7

**7:30–8:00**

**Registration & Coffee**  
Commonwealth Foyer

Meeting: Richmond/Roanoke

**8:00–8:15**

**Opening Remarks**

Matthew Fields  
Director, CBE; Professor,  
Microbiology & Cell  
Biology, MSU  
Paul Sturman, Industrial  
Coordinator, CBE

### Keynote Presentation

**8:15–9:00**

**OSEL Sterility and Infection  
Control Regulatory Science  
Program: A focus on  
stakeholder needs**

Michael Eppihimer, Director,  
Division of Biology,  
Chemistry and Material  
Sciences, OSEL, CDRH,  
US FDA

### SESSION 1: Reusable Medical Devices

**9:00–9:30**

**Effect of protein  
concentration of biofilm  
formation in  
polytetrafluoroethylene  
tubing**

Garth James, PI, Medical  
Biofilms Laboratory, CBE;  
Associate Research  
Professor, Chemical &  
Biological Engineering,  
MSU

**9:30–10:00**

**Biofilm cleaning  
performance evaluation in  
Automated Endoscope  
Reprocessors**

Bruno Haas, Group Leader,  
Scientific, Research and  
Validation Team, STERIS

**10:00–10:30 Break**

**10:30–11:00**

**Current state of flexible  
endoscope reprocessing:  
Why is build-up biofilm a  
concern?**

Michelle Alfa, President,  
AlfaMed Consulting, Ltd.

**11:00–11:30**

**Analyzing biofilm reduction  
for cleaning of medical  
device surfaces**

Jon Weeks, Research  
Microbiologist, OSEL,  
CDRH, US FDA

### Panel Discussion

**11:30–12:30**

**Assessing cleaning  
procedures for reusable  
medical devices to improve  
patient safety**

Michelle Alfa  
Bruno Haas  
Garth James  
Jon Weeks  
Moderator: Darla Goeres, CBE

**12:30–1:30 Lunch** Will/York

### SESSION 2: Bioremediation

**1:30–2:10**

**Session Introduction &  
Presentation (title tba)**

Brent Peyton, Professor,  
Chemical & Biological  
Engineering, MSU, CBE

**2:10–2:40**

**Pharmaceutical effects on  
aerobic granular sludge:  
Treatment capacity,  
morphology, and  
communities**

Kylie Bodle, PhD Student,  
Civil Eng., MSU, CBE

**2:40–3:10 Break**

**3:10–3:40**

**Title TBA**

Jim Cummings, US EPA

**3:40–4:10**

**Biofilm considerations:  
Bioremediation of  
contaminated groundwater**

Birthe Venø Kjellerup,  
Associate Professor, Civil &  
Environmental Eng.,  
University of Maryland at  
College Park

**Networking Reception  
immediately following  
meeting** Crystal Ballroom

### Wednesday February 8

**8:00–8:20**

**Registration & Coffee**  
Commonwealth Foyer

### SESSION 3: Emerging Surface Disinfection Methods

**8:20–8:30**

**Session Introduction**

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

**8:30–9:00**

**An overview of EPA's guidance and methods for adding residual efficacy claims**

Rebecca Pines, Branch Chief,  
Microbiology Laboratory  
Branch, Office of Pesticide  
Programs, US EPA

**9:00–9:30**

**Multiple multi-lab evaluations of the Quantitative Method for determining the efficacy of antimicrobial substances against bacteria dried onto hard non-porous surfaces**

Al Parker

**9:30–10:00**

**Industry perspectives on the Quantitative Method to measure disinfection efficacy; progress to improve reproducibility and parameters for assessing suitability as a regulatory standard**

John Hilgren, Director,  
Regulatory Affairs, Ecolab

**10:00–10:30 Break**

**10:30–11:00**

**New method for *Legionella pneumophila* claims in cooling tower water**

Lisa Smith, Team Leader,  
Microbiology Laboratory  
Branch, Office of Pesticide  
Programs, US EPA

**11:00–11:30**

**Use of antimicrobial pesticides to address *Legionella* in cooling towers**

Anastasia Swearingen,  
Senior Director, Chemical  
Products and Technology,  
American Chemistry  
Council

**11:30–12:00**

**Good Riddance—The importance of biofilm removal and the need for standardized methods**

Bruce Urtz, Microbiology  
Manager, Sterilex

**12:00–1:00 Lunch Will/York**

**SESSION 4: Global Perspectives on Biofilm Claims**

**1:00–1:10**

**Session Introduction**

Darla Goeres, Research  
Professor of Regulatory  
Science, CBE

**1:10–1:40**

**Antibiofilm surfaces in the built environment: Current methods and considerations for method development**

James Redfern, Lecturer,  
Natural Sciences,  
Manchester Metro  
University

**1:40–2:10**

**Prevention and treatment of biofilms—Update on European method development and claims**

Florian Brill, Managing  
Director, Dr. Brill +  
Partner, GmbH

**2:10–2:40**

**The UK's standpoint on biofilm claims and methods in the medical devices sector**

Paulina Rakowska,  
Research  
and Innovation  
Development Manager,  
National Biofilms  
Innovation Centre  
(NBIC)

**2:40–3:20**

**Title TBA**

Michel Birnbaum, Director,  
Entrepreneurship and  
Research Translation,  
Singapore Centre for  
Environmental Life  
Sciences Engineering  
(SCELSE)

