



Biofilm Technologies: Pathways to Product Development

February 5–6, 2019

Hilton Crystal City Hotel, Arlington, VA

Draft AGENDA



12/6/2018 9:15 AM

Tuesday February 5

7:30-8:00 am

Registration & Continental Breakfast, Commonwealth Foyer
Meeting Location:

Williamsburg/Yorktown Ballroom

8:00–8:15 am

Introductory remarks

Matthew Fields, CBE Director
Paul Sturman, CBE Industrial Coordinator

Keynote

8:15-8:50 am

Biofilm tolerance favors rapid emergence of antibiotic resistance

Christophe Beloin, Associate Professor; Co-Director, Institut Pasteur Microbiology Course, Institute Pasteur

SESSION 1 Food-Related Biofilms

8:50-9:25 am

Where sanitation preventive controls and biofilms cross paths: An FDA perspective

Les Smoot, Public Health Analyst, Center for Food Safety & Applied Nutrition, US FDA

9:25-10:00 am

Trending topics in food protection: A review from the 2018 food conferences

Diane Walker, Research Engineer, CBE

10:00–10:30 am

Break

Sponsored by Decon7 Systems

10:30-11:05 am

Biofilms, sanitizers, and meat safety

Rong Wang, Research Microbiologist, Meat Safety & Quality Research, US Meat Animal Research Center

11:05-11:40 am

Biofilm management in food and beverage processing

Erin Mertz, Area Technical Support Coordinator, Food & Beverage, Ecolab

11:40-12:00 pm

Discussion Session

12:00–1:00 pm

Lunch, Crystal Ballroom

SESSION 2 Biofilm Detection

1:00-1:30 pm

Title TBD

Amy Mathers, MD, Associate Director, Clinical Microbiology, University of Virginia

1:30-2:00 pm

Different techniques to visualize, quantify, and investigate biofilms

Matthew Fields

2:00-2:30 pm

Electrochemical sensing of quorum sensing molecules and virulence factors

Edgar Goluch, Associate Professor, Chemical Engineering, Northeastern University

2:30-3:00 pm

Break

SESSION 3 Antimicrobials and Regulation

3:00-3:30 pm

Global regulatory impediments and their effect on trade

Adrien Krygsman, Director, Troy Corporation

3:30-4:00 pm

Biofilm claims and product development

Dan Klein, Sr. Manager, Microbiology & Clinical Affairs, Steris Corporation

4:00-4:30 pm

Antimicrobial pesticides: Regulatory update and methods development initiatives

Steve Tomasino, Senior Scientist, US EPA

Wednesday February 6

7:30-8:00 am

Continental Breakfast, Crystal Ballroom

Meeting Location:

Williamsburg/Yorktown Ballroom

SESSION 4 Breast Implant Biofilms

8:00-8:05 am

Session Introduction

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

8:05–8:40 am

Controversies in biofilm and breast implants

Roger Wixtrom, President, LSCI

8:40–9:10 am

Influence of breast implant textures on bacterial attachment and biofilm formation

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

9:10-9:45 am

Considering other factors that may contribute to the role of implant surface texture on the pathogenesis of breast implant associated complications

Hainsworth Shin, Fellow, Biomedical Engineer, Center for Device & Radiological Health, US FDA

9:45-10:00 am

Discussion session

10:00-10:30 am

Break

SESSION 5

Medical Device Cleaning/Reprocessing

10:30-10:50 am

Reusable medical devices: Understanding the challenges and presenting a path forward

Paul Sturman

10:50-11:25 am

A simple and sensitive standard protocol to verify the presence of bacterial cells/biofilm on reprocessed devices using a fluorescence microscope

Scott Phillips, Regulatory Research Scientist, Center for Device & Radiological Health, US FDA

11:25-12:00 pm

An overview of biofilms in reusable medical devices

Kaumudi Kulkarni, R&D Manager, Healthmark Industries Company

12:00 pm–1:00 pm

Lunch, Crystal Ballroom

1:00-1:35 pm

Growth of *Mycobacterium chimaera* in heater-coolers

Joe Falkinham, Professor, Microbiology, Virginia Technological Institute

1:35-2:10pm

Eradication of *Mycobacterium chimaera* biofilm in heater cooler devices

Jayaleka Amarasinghe, Winchester Engineering & Analytical Center, Office of Regulatory Affairs, US FDA

2:10-2:45

Title TBA

Steve Tomasino, Senior Scientist, US EPA

2:45-3:15 pm

Break

3:15-4:45 pm

Round Table Discussion

Save the Date!

2019 Montana Biofilm Meeting

July 16–18, 2019

Bozeman, MT