



Biofilm Technologies: Pathways to Product Development

February 5–6, 2019

Hilton Crystal City Hotel, Arlington, VA

FINAL AGENDA



2/7/2019 1:23 PM

Tuesday February 5

7:30-8:00 am
Registration & Cont. Breakfast,
Commonwealth Foyer
Meeting, 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,
Institut Pasteur

SESSION 1 Food-Related Biofilms

8:50-9:25 am
Biofilms in beer
Diane Walker, Research Engineer,
CBE

9:25-10:00 am
Trending topics in food protection:
A review from the 2018 food
conferences
Diane Walker

10:00–10:30 am
Break

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

12:00–1:00 pm
Lunch, Richmond/Roanoke

SESSION 2 Biofilm Detection

1:00-1:30 pm
Tracking antimicrobial resistance
from sink drain biofilms
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
Sponsored by Decon7 Systems

SESSION 3 Antimicrobials and Regulation

3:00-3:30 pm
Global regulatory impediments
and their effect on trade
Adrian Krygsman, Director,
Troy Corporation

3:30-4:00 pm
Biofilm claims and product
development
Dan Klein, Senior Manager,
R&D Microbiology,
STERIS Corporation

4:00-4:30 pm
Antimicrobial pesticides:
Regulatory update and methods
development initiatives
Steve Tomasino, Senior Scientist,
Office of Pesticide Programs,
US EPA

Wednesday February 6

7:30-8:00 am
Continental Breakfast, Richmond/
Roanoke
Meeting, 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

Mechanical factors that may contribute to the involvement of surface texture on the pathogenesis of soft tissue implant associated complications

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

9:45-10:15 am

Breast implant surface texture impacts tissue response

TracyAnn Perry, Vice President, Science & Research, Establishment Labs

10:15-10:45 am

Break

SESSION 5

Medical Device Cleaning/Reprocessing

10:45-11:00 am

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

Paul Sturman

11:00-11:35 am

Overview of biofilms in flexible endoscopes

Kaumudi Kulkarni, R&D Manager, Healthmark Industries Company

11:35-12:10 pm

Fluorescence microscopy-based SOP for detecting cellular contamination of endoscopes

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

12:10 pm–1:10 pm

Lunch, Richmond/Roanoke

1:10-1:45 pm

Growth of *Mycobacterium chimaera* in heater-coolers

Joe Falkinham, Professor, Microbiology, Virginia Technological Institute

1:45-2:15 pm

Ultrasound device disinfection: A patient safety risk

Marcia Ryder, Research Scientist, Ryder Science, Inc.

2:15-2:45 pm

Break

2:45-3:45 pm

Round Table Discussion

Save the Date!

2019 Montana Biofilm Meeting

July 16–18, 2019

Bozeman, MT