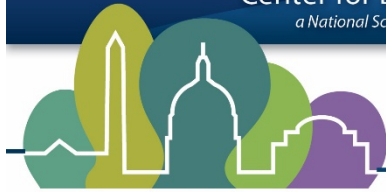


February 4-5, 2020



BIOFILM TECHNOLOGIES: Pathways to Product Development

Hyatt Regency Crystal City Hotel, Arlington, VA
Final AGENDA

2/12/2020 10:57 AM

Tuesday February 4

7:30-8:00 am
Registration Regency Foyer
Meeting Regency F

8:00-8:15 am
Introductory remarks
Matthew Fields, CBE Director
Paul Sturman, CBE Industrial
Coordinator

8:15-8:35 am
**CBE's role in regulation and
product advancement**
Matthew Fields, CBE Director

SESSION 1 Perspectives on Biofilm, Regulation, and Research

8:35-9:20 am
**Medical biofilms: Insights from
the first two decades of the
millennium**
Robin Patel, Chair, Division of
Clinical Microbiology, Professor,
Microbiology & Medicine, Mayo
Clinic

9:20-9:55 am
**Moving towards meaningful
standards for preclinical
performance testing of anti-
biofilm medical devices and
combination products**
Scott Phillips, Regulatory Research
Scientist, Center for Device &
Radiological Health, US FDA

9:55-10:25 am
Break

10:25-11:00 am
**Antimicrobial method
development initiatives**
Steve Tomasino, Senior Scientist,
Office of Pesticide Programs,
US EPA

11:00-11:30 am
**Biofilm claims, who cares?
A commercial perspective**
Elaine Black, Senior Regulatory
Manager, Ecolab

11:30-12:00 pm
**An innovative company's
perspective on biofilm regulation**
Matt Myntti, Chief Technology
Officer, Next Science

12:00-1:00 pm
Lunch, Regency E

SESSION 2 Food-Related Biofilms

1:00-1:35 pm
**Dry biofilms: Challenges of
recognition and eradication**
Diane Walker, Research Engineer,
CBE

1:35-2:10 pm
**Evaluation of the effect of chlorine
dioxide gas and a liquid probiotic
application on hydrated and
dehydrated biofilms**
Michele Sayles, Executive Director,
Food Safety & Quality, Diamond
Pet Foods

2:10-2:45 pm
**Persistent vs. transient listeria
monocytogenes in food
processing facilities: What makes
the difference?**
Dumitru Macarisin, Research
Microbiologist, Center for Food
Safety & Applied Nutrition,
US FDA

2:45-3:15 pm
Break

3:15-3:50 pm
**Control of microbial hazards on
low moisture processing
equipment through non-aqueous
cleaning and sanitation**
Elizabeth Grasso-Kelley, Assistant
Professor, Food Science &
Nutrition, Illinois Institute of
Technology

3:50-4:25 pm
**Drinking water pipeline and
premise plumbing
decontamination of *Bacillus
globigii***
James Goodrich, Senior Science
Advisor, Wide Area &
Infrastructure Decontamination
Branch, US EPA

5:00 pm
Networking Reception
Chesapeake View

Wednesday February 5

7:30-8:00 am
Registration Regency Foyer
Meeting Regency F

SESSION 3 Biofilm Infection

8:00-8:35 am
**Risk factors for chronic biofilm
infections on medical implants**
Phil Stewart, Regents Professor,
Chemical & Biological
Engineering, MSU, CBE

8:35-9:10 am
**Lighting up the lung:
Developing optical tools for real-
time, point-of-care detection of
lung disease in the clinic**
Bethany Mills, Postdoctoral
Researcher, Optical Imaging
PROTEUS Hub, University of
Edinburgh Queens Medical
Research Institute

9:10-9:45 am
**A regulatory overview of infection
control medical devices**
Yongqing Chen, Scientific
Regulatory Reviewer/Biologist,
Center for Device & Radiological
Health, US FDA

9:45-10:20 am
Break

10:20-10:55 am

Use of the hollow fiber infection model to study emergence of resistance using humanized pharmacokinetic profile of antibiotics

Tesfalem Zere, ORISE Research Fellow, Center for Drug Evaluation & Research, US FDA

10:55-11:30 am

Busting biofilms—winning the war in wounds

Greg Schultz, Professor, Obstetrics & Gynecology, College of Medicine, University of Florida

11:30-12:00 pm

Development and characterization of complex wound biofilm models

Petra Kohler-Riedi, Senior Research Specialist, 3M

12:00–1:00 pm

Lunch, Regency E

SESSION 4
Oral Biofilm

1:00-1:35 pm

***In vitro* models of oral biofilms for evaluating antimicrobial susceptibility**

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

1:35-2:10 pm

Targeting oral biofilms using nanotechnology

Hyun (Michel) Koo, Professor, Orthodontics; Director, Center for Innovation & Precision Dentistry, School of Dental Medicine, University of Pennsylvania

2:10-2:45 pm

Oral biofilm models for testing mechanical disruption on structure and community

Paul Stoodley, Professor, Microbial Infection and Immunity, Ohio State University

2:45-3:15

Break

SESSION 5
Reusable Medical Devices

3:15-3:45 pm

Evaluating performance criteria for the cleanliness of reusable medical devices

Darla Goeres, Associate Research Professor, Chemical & Biological Eng., MSU; PI, Standardized Biofilm Methods Laboratory, CBE

3:45-4:15 pm

Quality control of endoscope reprocessing: Three-hospital clinical study using rapid, point-of-reprocessing methods to detect protein and biofilm

Sang Won Lee, PhD Student, Biomedical & Chemical Engineering, Syracuse University

4:15–4:45 pm

Medical devices containing antimicrobials—A regulatory perspective

Ramesh Panguluri, Microbiologist/Team Lead, Disinfection, Reprocessing and Personal Protection Equipment Devices Team, Center for Device & Radiological Health, US FDA

Save the Date!

2020 Montana Biofilm Meeting

July 14–16, 2020
Bozeman, MT



CBE gratefully acknowledges Elsevier and the National Biofilms Innovation Centre for sponsoring the 2020 Biofilm Technologies: Pathways to Product Development meeting.