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

3:00–3:25 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.