Monday
July 23
6:00–8:30 p.m.
Pre-registration and welcome reception
Hilton Garden Inn, Bozeman

Tuesday
July 24
7:30–8:30 a.m.
Registration and continental breakfast
Hilton Garden Inn reception area
8:30–8:45
Introductory remarks
Larkspur Ballroom
Paul Sturman, CBE Industrial Coordinator
Ruth Cutright, W.L. Gore, TAC Chair
Phil Stewart, CBE Director

SESSION 1:
Wound Biofilms
8:45–8:50
Session introduction
Garth James, Medical Projects Manager, CBE
8:50–9:15
Biology of wound healing
John Olerud, MD, Professor of Dermatology, University of Washington
9:15–9:45
Advances in wound microbiology
Philip Bowlor, Director, Anti-Infectives & Microbiology, Wound Therapeutics Global Development Centre, ConvaTec, Flintshire, UK
9:45–10:00
Overview of the Center for Wound Biofilm Research
Phil Stewart
10:00–10:30 Break
10:30–10:50
In vitro models of wound biofilms
Garth James

SESSION 2:
Special Presentations
1:00–1:30
State of the CBE: 2007
Phil Stewart
1:30–2:00
Regulatory presentation: An update on federal activities
Stephen Tomasino, Senior Scientist, US EPA-OPP Microbiology Laboratory, Fort Meade, Maryland
2:00–2:30
Caserna, nanowires, signal vesicles and flying buttresses: Baroque architecture in biofilms
Bill Costerton, Director, Center for Biofilms, School of Dentistry, University of Southern California
2:30–2:50 Break
2:50–3:20
Biocide industry: Past, present and future challenges for biocontrol
Michael V. Enzien, Senior Research & Development Specialist, DOW Biocides, The Dow Chemical Company

SESSION 3:
Biofilm Behavior and Control
3:20–3:40
Examination of scCO₂ effects against Bacillus mojavensis biofilms
Adie Phillips, Research Engineer, CBE
3:40–4:00
Influence of EPS and natural organic matter on biofouling of microfiltration membranes coupled with powdered activated carbon (PAC)
Mohiuddin Md. Taimur Khan, Assistant Research Professor, CBE
4:00–4:20
Investigations of dormant cells in Pseudomonas aeruginosa biofilms
Brenda Grau, Postdoctoral Researcher, CBE

SESSION 4:
Biofilm Methods
4:20–4:45
Methods of assessing efficacy of antimicrobial surfaces: A review
Diane K. Walker, Research Engineer, CBE
4:45–5:10
Transcriptomes and proteomes: Identification of physiological constraints related to biofilm growth
Matthew Fields, Assistant Professor, Microbiology, Montana State University
7:30–9:00
Evening Session: Biofilm Methods Advisory Committee
Wednesday  
July 25

7:30–8:30 a.m.  
Registration and continental breakfast  
Hilton Garden Inn

Special Presentation  
8:30–9:30  
Predatory prokaryotes: Thinking outside the bug  
Daniel Kadouri, Assistant Professor, Department of Oral Biology & the Center for Oral Infectious Diseases, University of Medicine and Dentistry of New Jersey, Newark

SESSION 5:  
Biofilms in Water Venues  
9:30–9:40  
Session introduction  
Darla Goeres, Senior Research Engineer, CBE

9:40–10:10  
Disease outbreaks in recreational water  
Michael J. Beach, Acting Associate Director for Healthy Water, National Center for Zoonotic, Vector-Borne and Enteric Diseases, Centers for Disease Control and Prevention

10:10–10:40 Break

10:40–11:10  
Drinking water issues in developing countries  
Tim Ford, Department Head, Microbiology, Montana State University

11:10–11:35  
Drinking water treatment strategies and regulations  
Anne Camper, Professor of Civil Engineering, CBE

11:35–12:00  
Understanding the importance of biofilm in recreational water  
Darla Goeres

Lunch: On your own

3:30–5:00  
TAC Business Meeting  
108 EPS Building, MSU

6:00–9:00  
Dinner at the Rock’n TJ Ranch, Bozeman

Thursday  
July 26

7:30–8:30 a.m.  
Registration and continental breakfast  
Hilton Garden Inn

SESSION 6:  
Microscopy  
8:30–8:45  
Session introduction & new stains  
Betsey Pitts, Research Associate, CBE

8:45–9:05  
Examination of tissue specimens for biofilms  
Alessandra Agostinho, Research Scientist, CBE

9:05–9:25  
Use of laser capture microdissection microscopy and qRT-PCR to characterize gene expression in biofilms  
Ailyn Lenz, PhD Candidate, Microbiology, Montana State University

9:25–9:45  
Extended lifetime of unstable GFP in Escherichia coli colony biofilm  
Audrey Corbin, Research Associate, CBE

9:45–10:05  
Film Fest: Movies of biofilm obliteration, annihilation, doom and destruction  
Willy Davison, PhD Candidate, Chemical Engineering, Montana State University

10:05–10:30 Break

SESSION 7:  
Fungal Biofilms  
10:30–10:55  
Functional subpopulations in Candida albicans biofilms  
Peter Suci, Assistant Research Professor, Plant Sciences, Montana State University

10:55–11:20  
Small novel molecules inhibit signaling pathways and hyphal formation in Candida albicans  
Kurt Toenjes, Assistant Professor, Department of Biological and Physical Sciences, MSU–Billings

Special Presentation  
11:20–11:50  
Highlights from the ASM Biofilms 2007 Conference  
Phil Stewart

11:50–12:00  
Meeting Wrap-Up

NEXT TAC:  
Feb. 7-8, 2008