

Biofilms 2005 session topics

Sunday, April 10

Keynote address and opening reception
Time: 6:00 - 9:00 pm
Dr. Mahmoud Ghannoum, Case Western University, Cleveland, OH

Monday, April 11

Session 1:
Antimicrobial surfaces
Conveners: R.N. Borazjani, Bausch & Lomb, Rochester, NY
Time: 8:30 - 11:30 am

Inhibition of biofilm formation
R.N. Borazjani, Bausch & Lomb, Rochester, NY

Surface and biomaterial strategies to address biofilm formation
B. Rattner, University of Washington, Seattle, WA

Antimicrobial coatings: Introduction, progress and challenges
K.J. Wynne, Virginia Commonwealth University, Richmond, VA

N-Halamine biocidal coatings
S.W. Worley, Auburn University, Auburn, AL

Antibacterial copolymer coatings of quarternized poly (vinyl pyridine) and the biocompatible monomers hydroxyethyl methacrylate and polyethylene glycol methacrylate
J.P. Youngblood, Purdue University, West Lafayette, IN

Session 2:
Prevention of adhesion of bacteria to biomaterials: Formulation and antimicrobials
Convener: M. Gabriel, Ciba Vision Corp., Duluth, GA and M. Willcox, University of New South Wales, Sydney, Australia
Time: 1:00 - 3:00 pm

Preventing bacterial adhesion to biomedical devices
M. Willcox, University of New South Wales, Sydney, Australia

Polymeric nitric oxide release as a means for reducing bacterial adhesion and implant associated infection
M.H. Schoenfisch, Univ. N. Carolina, Chapel Hill, NC

The impact of ultraviolet light on bacterial adhesion to glass and metal-oxide coated surfaces
B. Li, Pennsylvania State University - Harrisburg, Middletown, PA

Clinical application of a silver alloy technology in reducing device-related infections
J. Ritter, Bard Medical, Covington, GA

Session 3:
Poster session
Time: 3:00 - 5:00 pm

Abstract forms can be found online [here](#)
Deadline for abstracts: Contact SIM.

Tuesday, April 12

Session 4:
Susceptibility of microorganisms to organic and inorganic biocides
Conveners: M.M. Cowan, Miami University, Middletown, OH and C. Mateus, Milliken Chemical, Spartanburg, SC
Time: 8:30 - 11:30 am

Resistance to biocides: Myth or truth?
J.S. Rajan, Arch Chemicals, Inc., New Castle, DE

Manipulating biofilm activity in oil reservoirs to stimulate nitrate reduction
S. Maxwell, Commercial Microbiology, Inc., Houston, TX

Silver-based antimicrobials: How do they work and why should you care?
K.M. Wieneck, Milliken & Co., Spartanburg, SC

Bacterial resistance: Laboratory versus field data
R. Jones, Scientific & Regulatory Consultants, Inc., Columbia City, IN

Case studies in antimicrobial efficacy in industrially relevant biofilm systems
P.J. Sturman, Montana State University, Bozeman, MT

Session 5:
Attachment-induced tolerances to antimicrobials: Adherent cells, persistors, biofilms
Convener: K. Lewis, Northeastern University, Boston, MA
Time: 1:00 - 3:30 pm

Biofilms and cystic fibrosis lung disease - mechanisms of antibiotic resistance
S. Aaron, University of Ottawa, Ontario, Canada

Biofilm resistance to antimicrobials: Beyond physiological and chemical gradients
P. Gilbert, University of Manchester, Manchester, UK

Adherence of *Candida albicans* to silicone induces immediate enhanced tolerance to fluconazole
C. Mateus, Milliken Chemical, Spartanburg, SC

Molecular mechanism of biofilm multidrug tolerance
K. Lewis, Northeastern University, Boston, MA

Wednesday, April 13

Session 6:
Development of molds on indoor surfaces: Prevention and remediation
Conveners: D.L. Price, Interface Research, LaGrange, GA and M.R. McGinnis, University of Texas Medical Center, Galveston, TX
Time: 8:30 - 11:30 am

Microscopic assessment of mold colonization
R. Simmons, Georgia State University, Atlanta, GA

Assessment of mold infestation and health considerations
H. Cheung, Int'l Ctr. for Toxicology and Medicine, Rockville, MD

Case studies: Building microbial assessments and response actions
R. Petrisek and H. Granger, HP Environmental, Inc., Herndon, VA

Medical implications of indoor fungi
M.R. McGinnis, University of Texas Medical Center, Galveston, TX

Session 7:
***Pseudomonas aeruginosa*: Phenotypes, adhesion and biofilms**
Conveners: G.S. Pierce, Georgia State University, Atlanta, GA and J. Robinson, University of Dayton, Dayton, OH
Time: 1:00 - 3:30 pm

***Pseudomonas aeruginosa* and *Candida albicans* mixed biofilms: What happens when two opportunists get together**
J. Robinson, University of Dayton, Dayton, OH

Remaining speakers to be announced