

Monday's Abstract Talks—November 14th

Presenter Name	Title of Talk	Time
Kelly Crandall	The Formation of Biofilms on Microplastics	8:55- 9:15 a.m.
Early Career Presenter	TBD	9:15-9:35 a.m.
Courtney Dial	Signals and Underlying Mechanisms That Promote Biofilm Formation by Squid Symbiont T <i>Vibrio fischeri</i>	9:35-9:55 a.m.
David Hershey	Regulation of the Bacterial Flagellum	11:25-11:45 a.m.
Xuhui Zheng	The Type of Surface Responses in <i>Pseudomonas Aeruginosa</i>	11:45 a.m.-12:05 p.m.
Jennifer Greenwich	Make It or Break It: Pterin-Dependent Control of a Dual Function Diguanylate Cyclase-Phosphodiesterase to Regulate Surface Attachment in <i>Agrobacterium tumefaciens</i>	12:05-12:25 p.m.
Amber Hendricks	Bacterial Biofilm-Derived H-NS Protein Acts as a Defense Against NETs	4:25-4:45 p.m.
Katy Juarez	Phenotypes, Transcriptome, and Biofilm Formation Analysis of <i>Geobacter Sulfurreducens</i> GSU1771 Deficient Mutant Strain in Different Supports	4:45-5:05 p.m.
Hannah Jeckel	Drivers of Bacterial Biofilm Architectures Are Conserved Across Species	5:05-5:25 p.m.

Monday's Lightning Talks (3-minute presentations) 10:50 a.m.-11:00 a.m.

1. Alexandra Jackson: Ship Hull Coatings Influence the Structure and Rheological Properties of Marine Biofilms with Implication for Drag
2. Hamilton Green: Lipoprotein Mutations that Impact Biofilm Morphology in Uropathogenic *Escherichia Coli*
3. Lily Riordan: Electrochemical Quantification of *P. Aeruginosa* Biofilms, and Reduction Using Extracted Bacterial Secondary Metabolites

Tuesday's Abstract Talks—November 15th

Presenter Name	Title of Talk	Time
Sudarsan Mugunthan	Phase Separation of Extracellular Nucleic Acids and Their Role as Structural Biopolymer in <i>Pseudomonas aeruginosa</i> Biofilms	8:55-9:15 a.m.
Shankara Subramanian	The TPR Domain of PgaA Binds PNAG and Facilitates Periplasmic Polymer Modification and Export	9:15-9:35 a.m.
Chitra Ravi	Unravelling the Regulatory Pathway of Cellulose Biosynthesis in Uropathogenic <i>Escherichia coli</i>	9:35-9:55 a.m.
Katherine Baxter	Structural Investigation of the Candida <i>Albicans/Staphylococcus Aureus</i> Dual Biofilm by MESOLENS 3D Imaging	11:25-11:45 a.m.
Stefan Katharios-Lanwermeier	<i>Pseudomonas Aeruginosa</i> induces Aggregation and Biofilm Cell Death in the Co-infecting Pathogen <i>Stenotrophomonas maltophilia</i>	11:45 a.m.-12:05 p.m.
Kailyn Jessel	Biofilm Subpopulation Profiles and the Role of Anaerobic Respiration	12:05-12:25 p.m.

Tuesday's Lightning Talks (3-minute presentations) 10:50-11:00 a.m.

1. Danielle Ferguson: The role of Extracellular DNA in Mucoicid *Pseudomonas Aeruginosa* Biofilms
2. Michelle Gerber: Investigating *Salmonella Enterica* Serovar *Typhimurium* Bet-hedging Using a Dual Reporter Strain
3. Jessica Margi: Identifying the Genetic Determinants of *G. Vaginalis* Biofilm Formation

Wednesday's Abstract Talks—November 16th

Presenter Name	Title of Talk	Time
Vaughn Cooper	Evolution During Combinatorial Drug Treatment Overcomes Constraints Across a Pareto Front	8:55-9:15 a.m.
Maria Van Rossem	Modelling Antibiotic Tolerance in Liquid Crystalline Biofilms	9:15-9:35 a.m.
Amanda Morris	<i>Pseudomonas aeruginosa</i> Aggregation and PSL ₁ Expression in Sputum Is Associated with Antibiotic Eradication Failure in Children with Cystic Fibrosis	9:35-9:55 a.m.
Carey Nadell	Predation Within Biofilms Dissected at Cellular Resolution	11:25-11:45 a.m.
Kathleen O'Connor	The Impact of Cell Surface Hydrophobicity on Quorum Sensing in <i>Pseudomonas aeruginosa</i>	11:45 a.m.-12:05 p.m.
Erin Gloag	Cooperation Between Mucoicid and Nonmucoicid <i>Pseudomonas aeruginosa</i> During Biofilm Formation	12:05-12:25 p.m.
Francisco Albicoro	The Role of Lactate Leading to <i>Salmonella enterica</i> serovar Typhimurium Biofilm Dispersal Through Curli Repression in the Intestinal Inflammatory Environment	4:25-4:45 p.m.
Amruta Karbelkar	Mechanism of Biofilm Formation in <i>Desulfovibrio Vulgaris</i> Hildenborough	4:45-5:05 p.m.
Shannon Van Aken	Role of Polysaccharide Intercellular Adhesin in <i>Staphylococcus epidermidis</i> Interactions with Fibrin	5:05-5:25 p.m.

Wednesday's Lightning Talks (3-minute presentations) 10:50-11:00 a.m.

1. Shruthi Magesh: Formation and Behaviors of Zorbs – Motile, Multi-species Bacterial Biofilms
2. Devin Sindeldecker: Phoenix Colony Emergence in *Pseudomonas Aeruginosa* Biofilms
3. Marta Rudzite: How *Pseudomonas aeruginosa* Uses Type VI Secretion System to Shape the Structure of Polymicrobial Communities

Thursday's Abstract Talks—November 17th

Presenter Name	Title of Talk	Time
Girolodo Osorno	Sodium Salicylate Decreases <i>Pseudomonas Aeruginosa</i> Virulence and Modulates the Host Immune Response	8:55-9:15 a.m.
Phil Stewart	Sorbed Host Proteins Mediate Neutrophil Adhesion, Motility, and Discovery of <i>Staphylococcus Aureus</i> on an Antibiotic Surface	9:15-9:35 a.m.
Jason Paxman	How Non-fimbrial Adhesins of Diarrhoeagenic and Uropathogenic <i>E. Coli</i> "Fine-tune" Biofilm Formation	9:35-9:55 a.m.
Dana Stamo	Multiplexing Peptide Nucleic Acid Therapies to Prevent Formation of Bacterial Biofilms	11:25-11:45 a.m.
Mark Gomelsky	Natural Inhibitors of Listerial Exopolysaccharide Biofilms	11:45 a.m.-12:05 p.m.
Thu Le	Evaluation of the Effects of Nanobubbles on Biofilms in Flow and Static Models	12:05-12:25 p.m.
Early Career Presenter	TBA	4:25-4:45 p.m.
Jing Yan	Morphogenesis and Cell Ordering in Confined Bacterial Biofilms	4:45-5:05 p.m.
Matthew Fields	Building Synthetic Biofilm Via 3D Printing	5:05-5:25 p.m.

Thursday's Lightning Talks (3-minute presentations) 10:50-11:00 a.m.

1. Cody Hastings: *Pseudomonas Aeruginosa* Persister Cells Resist and Modulate the THP-1 Macrophage Immune Response
2. Grant Scull: Fibrin Based Nanoparticle Infiltration of *Staphylococcus Aureus* Biofilms
3. Yutaka Yoshi: Development of Clinically Relevant *in Vitro* and *in Vivo* Intravenous Catheter Biofilm Infection Models for Studying the Efficacy of Lock Therapy