

2019 Boston Bacterial Meeting

Day 1 - Thursday June 6

8:00 AM	Registration and coffee -- Set up Session I posters	
9:00 AM	Opening Remarks	
I: Regulation		Session chair: Niels Bradshaw
9:10 AM	Boyuan Wang	Affinity-based capture and identification of (p)ppGpp-binding proteins
9:30 AM	Jennifer Peña	AlpA controls virulence gene expression in <i>Pseudomonas aeruginosa</i> by functioning as an antiterminator
9:50 AM	Satoshi Kimura	Surveying the landscape of tRNA modifications in bacteria by combined tRNA sequencing and RNA mass spectrometry
10:10 AM	<i>Flash Talks</i> Poster #6 Alex (Donghoon) Kang; #34 Samantha Randall; #37 Marianne Grognot	
10:20 AM	Poster Session I - Posters 1-37	
II: Physiology		Session chair: Christina Faherty
11:35 AM	Sean Wilson	Understanding the role and regulation of cell wall hydrolases in <i>Bacillus subtilis</i>
11:55 AM	Hugo Brandão	RNA polymerases are moving barriers to condensin loop extrusion
12:15 PM	Hoong Chuin Lim	Identification of new components of the RipC-FtsEX cell separation pathway of <i>Corynebacterineae</i>
12:40 PM	Lunch -- Harvard Science Center	
1:15 PM	Breakout Sessions/Networking	
2:15 PM	Set up Session II posters	
2:30 PM	Special Presentation	
III: Antibiotic susceptibility		Session chair: Bryan Bryson
2:40 PM	Samantha Palace	A new mechanism of reduced cephalosporin susceptibility in <i>Neisseria gonorrhoeae</i>
3:00 PM	Jenna Wurster	Host hyperglycemia impacts antibiotic efficacy within the murine gut microbiome
3:20 PM	Nathan Hicks	Natural genetic variation in <i>dnaA</i> influences antibiotic susceptibility in <i>Mycobacterium tuberculosis</i>
3:40 PM	<i>Flash Talks</i> Poster #46 Nili Ostrov; #48 Wenwen Huo; #53 Yu-Cheng Lin	
3:50 PM	Poster Session II - Posters 38-74	
IV: New antimicrobial tools		Session chair: Kathryn Ramsey
5:05 PM	Yu Imai	Darobactin, a novel antibiotic selectively kills Gram-negative pathogens
5:25 PM	Eachan Johnson	Large-scale chemical-genetic interaction profiling yields new classes of inhibitors of <i>Mycobacterium tuberculosis</i>
5:45 PM	Sarah Bening	Sensitizing tolerant bacteria to beta-lactam antibiotics
6:05 PM	Networking tables and reception	

2019 Boston Bacterial Meeting

Day 2 - Friday June 7

8:30 AM	Morning Coffee -- Set up Session III posters	
V: Advances in microbial methods		Session chair: Otto Cordero
9:00 AM	Max Schubert	Production of ssDNA in vivo enables new types of screens
9:20 AM	Stacie Clark	Mimicking <i>Yersinia pseudotuberculosis</i> growth in deep tissue sites using microdroplet technology
9:40 AM	Erika DeBenedictis	Toward the evolution of an exclusively quadruplet-decoding translation system
10:00 AM	<i>Flash Talks</i>	Poster #76 Damien Cabral; #96 Jason Lynch
10:10 AM	Poster Session III - Posters 75-111	
VI: Signaling		Session chair: Alexandre Bisson
11:25 AM	Amy Rohlfing	The CspC pseudoprotease regulates germination of <i>Clostridioides difficile</i> spores in response to multiple environmental signals
11:45 AM	Adnan Syed	Biofilm formation by <i>Staphylococcus aureus</i> is triggered by a drop in the levels of the second messenger cyclic-di-AMP
12:05 PM	Gerardo Cárcamo-Oyarce	Mucins modulate virulence and bacterial competition in <i>Pseudomonas aeruginosa</i>
12:30 PM	Lunch on your own	
1:30 PM	Set up Session IV posters	
VII: Pathogenesis		Session chair: Maha Farhat
1:50 PM	Fabian Rivera-Chávez	Cholera toxin promotes pathogen acquisition of host-derived nutrients
2:10 PM	Viktoria Betin	Dual RNAseq profiling of <i>Mycobacterium tuberculosis</i> infection identifies essential bacterial iron-limitation and redox stress response pathways
2:30 PM	Beau Wager	Identifying <i>Borrelia burgdorferi</i> lipoproteins ErpQ and ErpB as novel complement C1 inhibitors
2:50 PM	<i>Flash Talks</i>	Poster #115 Ted Chavkin; #124 R Cooper Baer; #128 Matt Henke
3:00 PM	Poster Session IV - Posters 112-147	
VIII: Microbial communities		Session chair: Jeffrey Moffitt
4:15 PM	Marsha Wibowo	Reconstruction of ancient microbial genomes from the human gut
4:35 PM	Cooper Park	Highways of recombination and non-random patterns of donor-recipient relationships in multiple species of bacterial pathogens
4:55 PM	Anthony Ortiz	Massively parallel screening of synthetic microbial communities
5:15 PM	Keynote Address - Denise Monack	
6:30 PM	Reception	