

The Southeastern Branch of the American Society for Microbiology
Annual Meeting 6th-8th September 2024
University of South Florida, Tampa FL



Schedule

Friday 6th September

12:00 pm – 1:00 pm	Registration and poster setup
1:00 pm – 1.30 pm	<p>Welcome remarks</p> <p><i>Dr Sophie Darch, PhD (Current SEB President, Assistant Professor, University of South Florida)</i></p> <p><i>Dr Robert Deschenes, PhD (Associate Dean, College of Medicine Molecular Medicine. Professor & Chair of Molecular Medicine, Morsani College of Medicine, University of South Florida)</i></p>
1:30 pm – 2:30 pm	<p>Keynote and ASM Distinguished Lecturer</p> <p><i>Dr Sam Brown PhD (Professor, Georgia Institute of Technology)</i></p> <p>“Can we Reverse the Rise of Antibiotic Resistance?”</p>
2:30 pm – 3:15 pm	<p>Clinical case study</p> <p><i>Dr Kirtan Amin, MD (Infectious Diseases Fellow, Morsani College of Medicine, University of South Florida)</i></p> <p><i>Dr Andreas Seyfang, PhD (Professor, Morsani College of Medicine, University of South Florida)</i></p> <p>“Pass Me the Olive Oil, Fever and Rash in an Immunocompromised Host.”</p>
3:20 pm – 4:00 pm	<p>Flash poster presentations A</p> <p>Haley Davenport Jared Smith Oriana Williams Priscila Halicki Ryan Williams Sierra George Alyssa DeSantis Alexia Pearah Barrett Maloney</p>
4:00 pm – 5:00 pm	Poster Session A
4:00 pm – 6:00 pm	Welcome Reception

Saturday 7th September

8:30 am – 9:00 am	Registration
9:00 am – 9:05 am	<i>Welcome and announcements</i>
9:05 am – 10:00 am	Session I <i>Dr Tara Randis MD (Associate Professor, Chief of Neonatology, Morsani College of Medicine, University of South Florida)</i> “Neonatal Gut and GBS: The Invader at the Doorstep”
10:00 am – 10:15 am	<i>Mary-Elizabeth Jobson (University of South Florida)</i> “Mechanistic Insight into RNA-Mediated Control of Virulence in <i>Staphylococcus aureus</i> ”
10:15 am – 10:30 am	<i>David Ayala-Velastegui (University of Georgia)</i> “Characterization of <i>Salmonella</i> complex populations by Nanopore amplicon sequencing on poultry farms and carcass samples.”
10:30 am – 11:00 am	Coffee Break
11:05 am – 11:20 am	Session II <i>Laura Shelton (University of Central Florida)</i> “Studying <i>Chlamydia</i> secreted effectors using <i>Drosophila melanogaster</i> as an <i>in vivo</i> cell biology platform”
11:20 am – 11:35 am	<i>Alexa Gannon (University of South Florida)</i> “ <i>Pseudomonas aeruginosa</i> aggregate formation in the CF lung”
11:35 am – 11:50 am	<i>Sarah Forrstrom (Emory University)</i> “The battle of bacteriophages and bile acids against <i>Klebsiella pneumoniae</i> in a fecal microbiota transplantation recipient”
12:00pm – 1:00 pm	Lunch
1:15 pm – 1:30 pm	Session III <i>Ridhwana Appiah (University of Central Florida)</i> “Investigating Natural Proline-rich Antimicrobial Peptides (PrAMPs) Activity Towards <i>Klebsiella pneumoniae</i> ”
1:30 pm – 1:45 pm	<i>Greeshma Bharathan (Auburn University)</i> “Ferric Uptake Regulator (Fur) plays a significant role in the survival of <i>Salmonella Typhimurium</i> on meat”
1:45 pm – 2:00 pm	<i>Mohamed Marouf (University of South Florida)</i> “Identification of Novel Vaccine Candidates Against Falciparum Malaria Using an Integrated Approach of <i>in Silico</i> and Wet Lab Analysis”
2:00 pm – 2:15 pm	<i>Alysha Ismail (Emory University)</i>

2:15 pm -2:30 pm	<p>The Trade-Off Dilemma: Impact of Sub-Inhibitory Antibiotics on <i>Staphylococcus aureus</i> Growth, Resistance, and Persistence</p> <p><i>Jana Wieschollek (University of South Florida)</i></p> <p>Unusual regulation of genes necessary for carbon dioxide fixation by marine chemolithoautotroph <i>Thiomicrospira pelophila</i></p>
3:00 pm – 3:25 pm	<p>Flash poster presentations B</p> <p>Rachel Kemp Trevor Mello Amber Richards Caroline Miller Soumyadeep Chakraborty Navita Kohaal</p>
3:30 pm – 4:00 pm	<p>Coffee break</p>
4:00 pm – 5:00 pm	<p>Poster Session B</p>

5:15 pm: Scavenger hunt

Sparkman Wharf discounts available/live music

(Details will be made available at the conference)

Sunday 8th September

8:30 am – 9:00 am	Registration
9:05 am – 9:20 am	Session IV <i>Anna Schulz (University of Central Florida)</i> “Distinct Metabolites Protect the Lyme Disease Pathogen <i>Borrelia burgdorferi</i> from Macrophage-Mediated Killing”
9:20 am – 9:35 am	<i>Esther Palmer (University of Georgia)</i> Persistence of multi-serovar Salmonella populations in surface water proximal to a cow-calf operation
9:35 am – 9:50 am	<i>Salvatore Scaffidi (University of South Florida)</i> “Identification of novel factors contributing to staphylococcal cell envelope integrity and surface protein septal trafficking”
9:50 am – 10:05 am	<i>Claire Bowman (Emory University)</i> Understanding <i>C. elegans</i> Decision-Making in Complex Foraging Environments
10:05 am – 10:20 am	<i>Calvin Mackey (Florida State University)</i> “Potential of Universal Microbial Dynamics in Socially Isolated Male Prairie Voles”
10:30 am – 11:00 am	Coffee Break
11:05 am – 11:20 am	Session V SEB updates
11:20 am – 11:35 am	<i>Stephanie Guerra (Emory University)</i> “Examining the paradoxical relationship between host inflammation and <i>S. pyogenes</i> infections”
11:35 am – 11:50 am	<i>Kira Ruiz-Houston (University of South Florida)</i> “MraZ and DnaA coordinate DNA damage response in <i>Bacillus subtilis</i> to arrest cell division.
12:00 pm – 1:00 pm	Lunch
1:15 pm – 2:00 pm	<i>Branch elections, awards and closing remarks</i>

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