Virtual Streptococcal Trainee Symposium

*Indicates this trainee is on/will soon be on the job market All times represent Eastern Daylight Time (EDT)

TUESDAY, September 8th, 2020

6.00pm - 6.45pm	Streptococcal Genetics and Physiology Discussion Leader: *Tanya Puccio (Virginia Commonwealth University)
6.00pm - 6.15pm	*Luke Joyce (Dr. Kelli Palmer, The University of Texas at Dallas) "Phosphatidylcholine biosynthesis in Mitis group streptococci via host metabolite scavenging"
6.15pm - 6.30pm	Dr. Christina Morra (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Total and relative sugar concentrations effect the growth, viability and pyruvate metabolism of <i>Streptococcus pneumoniae</i> "
6.30pm - 6.45pm	*Dr. Anushila Chatterjee (Dr. Breck Duerkop, University of Colorado-Anschutz) "Murder among the masses: indirect phage-mediated antibacterial antagonism"
6.45pm - 6.50pm	Break
6.50pm - 7.20pm	Flash talks Discussion Leader: *Dr. Anushila Chatterjee (University of Colorado-Anschutz)
6.50pm - 6.55pm	Irina Laczkovich (Dr. Michael Federle, University of Illinois at Chicago) "Ribosome profiling as a screening method to identify signaling peptides in <i>Streptococcus pneumoniae</i> D39"
6.55pm - 7.00pm	Magnus G. Jespersen (Dr. Mark Davies, University of Melbourne) "Benchmarking pangenome tools: The Do's and Don'ts of current approaches"
7.00pm - 7.05pm	Eriel Martinez (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Capsule promotes vascular endothelium crossing of pneumococci during invasive disease"
7.05pm - 7.10pm	Alyssa Brokaw (Dr. Lakshmi Rajagopal, University of Washington) "Evaluation of alpha-like proteins during pregnancy-associated Group B Streptococcal infection"
7.10pm - 7.15pm	Katherine Kruckow (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Understanding alterations in aging macrophages that contribute to increased susceptibility to pneumococcal disease"
7.15pm - 7.20pm	Alexandra Peterson (Dr. Jose Lemos, University of Florida) "Identification and Characterization of a Zinc Import System in <i>Streptococcus</i> <i>mutans</i> "
7.20pm - 7.25pm	Dr. Feroze Ganaie (Dr. Moon Nahm, University of Alabama at Birmingham) "Discovery of a novel and 100th pneumococcal capsule type, 10D, which has a large <i>cps</i> fragment from an oral streptococcus"
7.25pm - 7.30pm	Break

7.30pm - 8.30pm	Host-Streptococcal Interactions Discussion Leader: Dr. Ninecia Scott (University of Alabama at Birmingham)
7.30pm - 7.45pm	Dr. Manmeet Bhalla (Dr. Elsa Bou Ghanem, University at Buffalo) "A1 adenosine receptor signaling reverses the age-driven impairment in PMN anti- pneumococcal function"
7.45pm - 8.00pm	*Rezia Era D. Braza (Dr. Kevin McIver, University of Maryland, College Park) "PTS Uptake and Metabolism of the ß-Glucoside Salicin Impacts Group A Streptococcal Bloodstream Survival and Soft Tissue Infection"
8.00pm - 8.15pm	Dr. Sam Manna (Dr. Catherine Satzke, Murdoch Children's Research Institute) "Synergism and antagonism of bacterial-viral co-infection in the upper respiratory tract"
8.15pm - 8.30pm	Dr. Rebecca A. Keogh (Dr. Kelly Doran, University of Colorado-Anschutz) "Global annotation of sRNA in Group B <i>Streptococcus</i> leads to the identification of the first sRNA regulator of vaginal invasion"

WEDNESDAY, September 9th, 2020

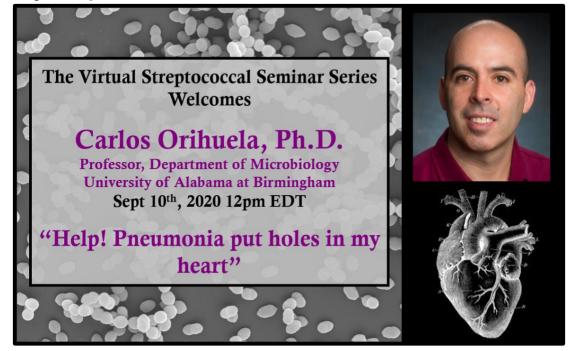
2.00pm - 2.45pm	Streptococcal Genetics and Physiology Discussion Leader: *Dr. Michael Connor (Institut Pasteur)
2.00pm - 2.15pm	* Dimitra Synefiaridou (Dr. Jan-Willem Veening, University of Lausanne) "Harnessing CRISPR-Cas9 for genome editing in <i>Streptococcus pneumoniae</i> "
2.15pm - 2.30pm	*Tanya Puccio (Dr. Todd Kitten, Virginia Commonwealth University) "Manganese depletion leads to multi-system changes in the transcriptome of the opportunistic pathogen <i>Streptococcus sanguinis</i> "
2.30pm - 2.45pm	*Kaitlyn Tylor (Dr. Michael Federle, University of Illinois at Chicago) "Elucidating molecular mechanisms governing Rgg-SHP transcription regulation during quorum sensing in Streptococci"
2.45pm - 2.50pm	Break
2.50pm - 3.25pm	Flash talks
2.000111 0.200111	Discussion Leader: *Luke Joyce (The University of Texas at Dallas)
2.50pm - 2.55pm	
· ·	Discussion Leader: *Luke Joyce (The University of Texas at Dallas) Dr. Hansol Im (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Anatomical-site specific carbohydrate shapes <i>Streptococcus pneumoniae</i>
2.50pm - 2.55pm	 Discussion Leader: *Luke Joyce (The University of Texas at Dallas) Dr. Hansol Im (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Anatomical-site specific carbohydrate shapes <i>Streptococcus pneumoniae</i> virulence" Anna Furuta (Dr. Lakshmi Rajagopal, University of Washington)

3.10pm - 3.15pm	Samuel Dedert (Dr. Edward Swords, University of Alabama at Birmingham) "Phase-locked strains of <i>Streptococcus pneumoniae</i> have altered ability to persist in different host sites"
3.15pm - 3.20pm	Jéssica Mendonça (Dr. Prescilla Nagao, Rio de Janeiro State University) "Increased susceptibility of <i>Streptococcus agalactiae</i> to develop pulmonary infections and endocarditis in diabetic mice"
3.20pm - 3.25pm	Dr. Ninecia Scott (Dr. Carlos Orihuela, University of Alabama at Birmingham) "High-jacking the wheel to death: Modulation of lung epithelial cell death by <i>Streptococcus pneumoniae</i> pneumolysin and hydrogen peroxide"
3.25pm - 3.30pm	Break
3.30pm - 4.30pm	Host-Streptococcal Interactions Discussion Leader: *Caroline Werlang (Massachusetts Institute of Technology)
3.30pm - 3.45pm	*Dr. Michael Connor (Dr. Mélanie Hamon, Institut Pasteur) "The histone demethylase KDM6B fine-tunes the host response to <i>Streptococcus</i> pneumoniae"
3.30pm - 3.45pm 3.45pm - 4.00pm	*Dr. Michael Connor (Dr. Mélanie Hamon, Institut Pasteur) "The histone demethylase KDM6B fine-tunes the host response to Streptococcus
	 *Dr. Michael Connor (Dr. Mélanie Hamon, Institut Pasteur) "The histone demethylase KDM6B fine-tunes the host response to <i>Streptococcus pneumoniae</i>" Thomas Roodsant (Dr. Constance Schultsz, Amsterdam UMC) "Zoonotic <i>Streptococcus suis</i> translocates transcellularly across a human organoid

THURSDAY, September 10th, 2020

11.00am - 12.00pm	Host-Streptococcal Interactions Discussion Leader: Dr. Christina Morra (University of Alabama at Birmingham)
11.00am - 11.15am	*Dr. Anjali Anil (Dr. Anirban Banerjee, Indian Institute of Technology Bombay) "Pyruvate Oxidase: A key determinant of pneumococcal intracellular survival"
11.15am - 11.30am	* Caroline Werlang (Dr. Katharina Ribbeck, Massachusetts Institute of Technology) "Mucin glycans suppress quorum sensing and genetic transformation in <i>Streptococcus mutans</i> "
11.30am - 11.45am	Lamar Thomas (Dr. Laura Cook, Binghamton University: SUNY) "The characterization of a novel protein, Sak_1753, in vaginal colonization by GBS"
11.45am - 11.55am	*Chiara Crestani (Dr. Ruth Zadoks, University of Glasgow and University of Sydney, respectively) "The fall and rise of group B <i>Streptococcus</i> in dairy cattle: suspected reintroduction from a human reservoir"

12.00pm - 12.55pm Keynote presentation: Dr. Carlos Orihuela



12.55pm - 1.00pm Break

1.00pm - 1.30pm	Flash talks Discussion Leader: Dr. Rebecca Keogh (University of Colorado-Anschutz)
1.00pm - 1.05pm	Syeda Ayesha Ali (Dr. Muhammad Kamran Taj, University of Balochistan) "16S rRNA based identification of Pneumococcal meningitis among the patients in Quetta tertiary hospital"
1.05pm - 1.10pm	Sydney Herring (Dr. Elsa Bou Ghanem, University at Buffalo) "A2B Adenosine Receptor signaling impairs host resistance against <i>Streptococcus</i> <i>pneumoniae</i> Infection"
1.10pm - 1.15pm	Marlyd Mejia (Dr. Kathryn Patras, Baylor College of Medicine) "Human Milk Oligosaccharides alter the vaginal microbiota to limit Group B <i>Streptococcus</i> vaginal colonization"
1.15pm - 1.20pm	Dr. SangSang Park (Drs. David Briles and Carlos Orihuela, University of Alabama at Birmingham) " <i>Streptococcus pneumoniae</i> binds to dying host cells worsening secondary infection following Influenza"
1.20pm - 1.25pm	Keira Burns (Dr. Helen Shaw, National Institute for Biological Standards and Control and London School of Hygiene and Tropical Medicine) "Development of a glycoconjugate vaccine against Group A <i>Streptococcus</i> (GAS) using chemical and biological conjugation methodologies"
1.25pm - 1.30pm	Ashleigh Riegler (Dr. Carlos Orihuela, University of Alabama at Birmingham) "Necroptosis inhibition prevents acute and long-term cardiac damage during pneumococcal pneumonia and invasive pneumococcal disease"