8:30  Breakfast and poster set up

8:55  Welcome and Introductory Remarks

9:00  Plenary: Harnessing the Power of the Microbiome to Revolutionize Treatment of Disease: Phase II & III trials for recurrent C. difficile
     Ken Blount, Rebiotix

9:30  Developing a Novel Microbial Therapeutic for Clostridium difficile infection
     Jennifer Auchtung, Baylor College of Medicine

9:50  Building Infectious Disease Classifiers using a Systems Biology Approach
     Qinglong Wu, Texas Children’s Hospital

10:10 Identification of clinically significant Antimicrobial Resistance Genes in the Commensal Microbiota
     Samuel Shelburne, MD Anderson

10:30  Break

     Phillip Hylemon, Virginia Commonwealth

11:20  Understanding the Mechanism of Action of New Antibiotics against Clostridium difficile
     Eugénie Bassères, University of Houston

11:40  Response of Microbiome Form and Function to Antibiotic Alteration of the Patient Gut Ecosystem
     Wadud Khan, Texas Children’s Hospital

12:10  Using CRISPR-Cas9-mediated Genome Editing to Generate C. difficile Mutants Defective in Selenoproteins Synthesis
     Kathleen McAllister, Texas A&M

12:30  Meet-the-Professor, Phillip Hylemon
     Lunch and poster session (Event Space)
1:30 Plenary: Comparative Systems Biology Analysis of Microbial Pathogens  
Jonathan Monk, University of California San Diego

2:00 Understanding Clostridium difficile Epidemiology Through the Use of Whole Genome Sequencing; A Houston Perspective  
Bradley Endres, PhD, University of Houston

2:20 Dietary Trehalose Enhances Virulence of Epidemic Clostridium difficile  
James Collins, Baylor College of Medicine

2:40 Selected abstract talks (10 min)

3:00-5:00 Workshop: Building and Using Genome-scale Models of Metabolism to study Microbial Pathogens