



| Date   | Time                      | Track  | Presentation Title  | Speaker   |
|--------|---------------------------|--|---|---|
| 13-Sep | 06:00<br>-<br>07:00<br>AM | Virology and Bacteriology  | Microbe Wars: The Rise of CRISPR Immunity and Technology  | Megan Hochstrasser, PhD<br>Science Communications Manager, Innovative Genomics Institute  |
| 13-Sep | 06:00<br>-<br>07:00<br>AM | Beneficial Microbes  | Next-generation probiotics targeting <i>C. difficile</i> infection  | Jennifer Spinler, PhD<br>Instructor, Pathology & Immunology, Baylor College of Medicine   |
| 13-Sep | 07:30<br>-<br>08:30<br>AM | Virology and Bacteriology  | Keynote Presentation: Using phage to select for evolution of reduced virulence in pathogenic bacteria   | Paul Turner, PhD<br>Henry Ford II Professor and Departmental Chair of Ecology and Evolutionary Biology, Microbiology Faculty, Yale School of Medicine |
| 13-Sep | 09:00<br>-<br>10:00<br>AM | Immune Biomarkers: The Promises of Gene Sequencing and Personalized Medicine | How Biomarker Testing Shapes Immunotherapy  | Condie Carmack, PhD<br>Vice President of Precision Oncology, Vela Dx  |
| 13-Sep | 09:00<br>-<br>10:00<br>AM | Virology and Bacteriology  | Insights into virus replication: the role of co-opted host proteins and lipids  | Peter Nagy, PhD<br>Professor, Department of Plant Pathology, University of Kentucky   |
| 13-Sep | 10:30<br>-<br>11:30<br>AM | Food Microbiology  | The Science of Farm to Table: Sourdough Bread as a Microcosm of the Global Food Crisis  | Rob Dunn, PhD<br>Professor, Applied Ecology, NC State University  |
| 13-Sep | 12:00<br>-<br>01:00<br>PM | Immune Biomarkers: The Promises of Gene Sequencing and Personalized Medicine | High Resolution Outbreak Tracing and Resistance Detection using Whole Genome Sequencing in the case of a <i>Mycobacterium tuberculosis</i> Outbreak | Winnie Ridderberg, PhD<br>Senior Scientist, Microbial Genomics, QIAGEN  |

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| 13-Sep | 01:30<br>-<br>02:30<br>PM | Virology and Bacteriology | Integration of the Simplexa C. difficile Direct assay in a two-step algorithm for the laboratory diagnosis of C. difficile        | Dr. James Snyder<br>Director of Microbiology and Infectious Diseases Molecular Diagnostics at University of Louisville Hospital  |
| 13-Sep | 01:30<br>-<br>02:30<br>PM | Antimicrobial             | The escalating challenges of antimicrobial resistance and the efforts to conquer these threats                                    | Glenn Tillotson, PhD, FIDSA, FCCP<br>Consultant Medical Microbiologist   |
| 14-Sep | 06:00<br>-<br>07:00<br>AM | Virology and Bacteriology | A neo-virus lifestyle exhibited by a (+)ssRNA virus hosted in an unrelated dsRNA virus: taxonomic and evolutionary considerations | Nobuhiro Suzuki, PhD<br>Professor, Institute of Plant Science and Resources, Okayama University  |
| 14-Sep | 06:00<br>-<br>07:00<br>AM | Beneficial Microbes       | BENEFICIAL MICROBES: Sharing of the Microbial Informational Library   | John Thomas, PhD<br>Professor Emeritus, WVU School of Medicine Certified, "High Complexity Clinical Laboratory Director" (HCLD)(ABB)   |
| 14-Sep | 07:30<br>-<br>08:30<br>AM | Antimicrobial             | Keynote Presentation: A Mechanistic Approach to Overcoming Antibacterial Drug Resistance  | Neil Osheroff, PhD<br>Professor of Biochemistry, John Coniglio Chair in Biochemistry, Vanderbilt University School of Medicine   |
| 14-Sep | 09:00<br>-<br>10:00<br>AM | Beneficial Microbes       | Development of tools enabling tunable, in situ delivery of therapeutics using probiotics  | Nathan Crook, PhD<br>Postdoctoral Research Scholar , Washington University School of Medicine  |
| 14-Sep | 10:30<br>-<br>11:30<br>AM | Virology and Bacteriology | Clinical and Laboratory Studies of Zika Virus Infection   | Charles Chiu, MD, PhD<br>Associate Professor, Laboratory Medicine and Medicine / Infectious Diseases Director, UCSF-Abbott Viral Diagnostics and Discovery Center Associate Director, UCSF Clinical Microbiology Laborat   |
| 14-Sep | 10:30<br>-<br>11:30<br>AM | Antimicrobial             | Sex as a Biological Variable in Microbial Pathogenesis  | Sabra L. Klein, PhD<br>Professor, Department of Molecular Microbiology & Immunology, Biochemistry & Molecular Biology and International Health, John Hopkins Bloomberg School of Public Health, Co-director, Center for Women's Health, Sex, and Gender Research |
| 14-Sep | 12:00<br>-<br>01:00<br>PM | Virology and Bacteriology | How to deploy a portable lab for the surveillance of emerging infectious diseases   | Josh Quick<br>Research Fellow, University of Birmingham  |

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| 14-Sep | 01:30<br>-<br>02:30<br>PM | Antimicrobial             | Clinical and Economic Benefits of Faster Phenotypic Antimicrobial Susceptibility Testing                                     | Levi Kirwin<br>Director, Commercial Marketing, Accelerate Diagnostics                |
| 14-Sep | 01:30<br>-<br>02:30<br>PM | Virology and Bacteriology | Dissecting the ecological and molecular mechanisms underlying the interaction between plant viruses and their insect vectors | Punya Nachappa, PhD<br>Associate Professor, Department of Biology, Purdue University |