<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Track</th>
<th>Presentation Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-Sep</td>
<td>6:00-7:00 AM</td>
<td>Virology and Bacteriology</td>
<td>Microbe Wars: The Rise of CRISPR Immunity and Technology</td>
<td>Megan Hochstrasser, PhD Science Communications Manager, Innovative Genomics Institute</td>
</tr>
<tr>
<td>13-Sep</td>
<td>6:00-7:00 AM</td>
<td>Beneficial Microbes</td>
<td>Next-generation probiotics targeting C. difficile infection</td>
<td>Jennifer Spinler, PhD Instructor, Pathology &amp; Immunology, Baylor College of Medicine</td>
</tr>
<tr>
<td>13-Sep</td>
<td>7:30-8:30 AM</td>
<td>Virology and Bacteriology</td>
<td>Keynote Presentation: Using phage to select for evolution of reduced virulence in pathogenic bacteria</td>
<td>Paul Turner, PhD Henry Ford II Professor and Departmental Chair of Ecology and Evolutionary Biology, Microbiology Faculty, Yale School of Medicine</td>
</tr>
<tr>
<td>13-Sep</td>
<td>9:00-10:00 AM</td>
<td>Immune Biomarkers: The Promises of Gene Sequencing and Personalized Medicine</td>
<td>How Biomarker Testing Shapes Immunotherapy</td>
<td>Condie Carmack, PhD Vice President of Precision Oncology, Vela Dx</td>
</tr>
<tr>
<td>13-Sep</td>
<td>9:00-10:00 AM</td>
<td>Virology and Bacteriology</td>
<td>Insights into virus replication: the role of co-opted host proteins and lipids</td>
<td>Peter Nagy, PhD Professor, Department of Plant Pathology, University of Kentucky</td>
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<tr>
<td>13-Sep</td>
<td>10:30-11:30 AM</td>
<td>Food Microbiology</td>
<td>The Science of Farm to Table: Sourdough Bread as a Microcosm of the Global Food Crisis</td>
<td>Rob Dunn, PhD Professor, Applied Ecology, NC State University</td>
</tr>
<tr>
<td>13-Sep</td>
<td>12:00-1:00 PM</td>
<td>Immune Biomarkers: The Promises of Gene Sequencing and Personalized Medicine</td>
<td>High Resolution Outbreak Tracing and Resistance Detection using Whole Genome Sequencing in the case of a Mycobacterium tuberculosis Outbreak</td>
<td>Winnie Ridderberg, PhD Senior Scientist, Microbial Genomics, QIAGEN</td>
</tr>
<tr>
<td>13-Sep</td>
<td>1:30-2:30 PM</td>
<td>Virology and Bacteriology</td>
<td>Integration of the Simplexa C. difficile Direct assay in a two-step algorithm for the laboratory diagnosis of C. difficile</td>
<td>James Snyder, PhD Professor of Pathology and Laboratory Medicine, University of Louisville</td>
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<tr>
<td>13-Sep</td>
<td>1:30-2:30 PM</td>
<td>Antimicrobial</td>
<td>The escalating challenges of antimicrobial resistance and the efforts to conquer these threats</td>
<td>Glenn Tillotson, PhD, FIDSA, FCCP Consultant Medical Microbiologist</td>
</tr>
<tr>
<td>14-Sep</td>
<td>6:00-7:00 AM</td>
<td>Virology and Bacteriology</td>
<td>A neo-virus lifestyle exhibited by a (+)ssRNA virus hosted in an unrelated dsRNA virus: taxonomic and evolutionary considerations</td>
<td>Nobuhiro Suzuki, PhD Professor, Institute of Plant Science and Resources, Okayama University</td>
</tr>
<tr>
<td>14-Sep</td>
<td>6:00-7:00 AM</td>
<td>Beneficial Microbes</td>
<td>BENEFICIAL MICROBES: Sharing of the Microbial Informational Library</td>
<td>John Thomas, PhD Professor Emeritus, West Virginia University School of Medicine</td>
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<td>14-Sep</td>
<td>7:30-8:30 AM</td>
<td>Antimicrobial</td>
<td>Keynote Presentation: A Mechanistic Approach to Overcoming Antibacterial Drug Resistance</td>
<td>Neil Osheroff, PhD Professor of Biochemistry, John Coniglio Chair in Biochemistry, Vanderbilt University School of Medicine</td>
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<tr>
<td>14-Sep</td>
<td>9:00-10:00 AM</td>
<td>Beneficial Microbes</td>
<td>Development of tools enabling tunable, in situ delivery of therapeutics using probiotics</td>
<td>Nathan Crook, PhD Postdoctoral Research Scholar, Washington University School of Medicine</td>
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<td>14-Sep</td>
<td>10:30-11:30 AM</td>
<td>Virology and Bacteriology</td>
<td>Clinical and Laboratory Studies of Zika Virus Infection</td>
<td>Charles Chiu, MD, PhD Associate Professor, Laboratory Medicine and Medicine / Infectious Diseases Director, UCSF-Abbott Viral Diagnostics and Discovery Center Associate Director, UCSF Clinical Microbiology Laborat</td>
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<td>14-Sep</td>
<td>10:30-11:30 AM</td>
<td>Antimicrobial</td>
<td>Sex as a Biological Variable in Microbial Pathogenesis</td>
<td>Sabra Klein, PhD Associate Professor, Molecular Microbiology and Immunology, Biochemistry and Molecular Biology, Johns Hopkins Bloomberg School of Public Health</td>
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<td>14-Sep</td>
<td>12:00-1:00 PM</td>
<td>Virology and Bacteriology</td>
<td>How to deploy a portable lab for the surveillance of emerging infectious diseases</td>
<td>Josh Quick Research Fellow, University of Birmingham</td>
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<td>14-Sep</td>
<td>1:30-2:30 PM</td>
<td>Antimicrobial</td>
<td>Clinical and Economic Benefits of Faster Phenotypic Antimicrobial Susceptibility Testing</td>
<td>Levi Kirwin Director, Commercial Marketing, Accelerate Diagnostics</td>
</tr>
<tr>
<td>14-Sep</td>
<td>1:30-2:30 PM</td>
<td>Virology and Bacteriology</td>
<td>Dissecting the ecological and molecular mechanisms underlying the interaction between plant viruses and their insect vectors</td>
<td>Punya Nachappa, PhD Associate Professor, Department of Biology, Purdue University</td>
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