<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Track</th>
<th>Presentation Title</th>
<th>Speaker</th>
</tr>
</thead>
</table>
| 7-Sep | 12:00 - 12:45 AM | Immunology  | Biased Pol II Fidelity Contributes to Conservation of Functional Domains in the Potato Spindle Tuber Viroid Genome | David M. Bisaro, PhD  
Professor, Department of Molecular Genetics, The Ohio State University  |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | CMPK2 Restricts the Replication of Multiple Flaviviruses                           | Maudry Laurent-Rolle, MD/PhD  
Assistant Professor, Department of Internal Medicine: Infectious Diseases Section, Yale University School of Medicine |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | From Viral Infection to Neurodegeneration: The Role of Innate Immunity              | Marcus Kaul, PhD  
Professor of Biomedical Sciences and Co-Director at the UCR Aging Initiative, University of California Riverside |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | Immune-Mediated Pathologies During Dengue Virus Infection                           | Ashley St. John, PhD  
Associate Professor in the Programme in Emerging Infectious Diseases, Duke-NUS Medical School |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | Maize Lethal Necrosis: Emergence of a Global Plant Virus Disease and Outcomes of Virus Mixed Infections in Plants | Lucy R. Stewart, PhD  
Research Plant Pathologist, USDA-ARS Foreign Disease-Weed Science Research Unit, Frederick, Maryland |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | Plant Defense and Viral Counter-Defense Mechanisms Regulating Symptom Recovery, an Inducible Form of Plant Tolerance to Virus Infection | Hélène Sanfaçon, PhD  
Senior Research Scientist, Summerland Research and Development Centre of Agriculture and Agri-Food Canada |
| 7-Sep | 12:00 - 12:45 AM | Immunology  | Understand the Emerging RNA Viruses                                                | Rong Hai, PhD  
Associate Professor in the Department of Microbiology and Plant Pathology in the College of Natural and Agricultural Sciences at the University of California, Riverside |
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
</table>
| 7-Sep | 12:00 - 12:45 AM | Immunology | Virus Replication: The Role of the Unique Pathogenic Organelle | Peter Nagy, PhD  
Professor, Department of Plant Pathology, University of Kentucky |
| 7-Sep | 07:30 - 08:30 AM | Immunology | Keynote Presentation: The Virus, the Host and the Battle for Survival: How Viruses Interact with the Host Ubiquitin Machinery to Promote Susceptibility or Resistance to Infection | Ricardo Rajsbaum, PhD  
Associate Professor, Department of Medicine, Director, Center for Virus-Host-Innate Immunity (CVHII), Institute for Infectious and Inflammatory Diseases, Rutgers University, New Jersey Medical School Cancer Center |
| 7-Sep | 09:00 - 10:00 AM | Immunology | Keynote Presentation: Mammalian RNAi Response to Virus Infection | Shou-Wei Ding, PhD  
Distinguished Professor, Department of Microbiology & Plant Pathology, Institute for Integrative Genome Biology, University of California, Riverside |
| 8-Sep | 12:00 - 12:45 AM | Respiratory Viruses | Development of Self-Replicating Propagation-Defective RNAs as Next Generation Vaccine Candidates Against Human Coronaviruses | Isabel Sola, PhD  
Co-director of the Coronavirus Laboratory The National Center of Biotechnology |
| 8-Sep | 12:00 - 12:45 AM | Respiratory Viruses | Genetic Approaches and Host Targets to Inhibit Influenza Virus Pathogenesis | Nicholas Heaton, PhD  
Assistant Professor, Department of Molecular Genetics and Microbiology, Duke University School of Medicine |
| 8-Sep | 12:00 - 12:45 AM | Microbial Communities | Gut Microbiota in maternal-infant populations with HIV | Rupak Shivakoti, PhD  
Assistant Professor of Epidemiology, Columbia University |
| 8-Sep | 12:00 - 12:45 AM | Microbial Communities | High-precision Microbial Diagnostics From Sequencing Data | David C. Danko, PhD  
Director of Bioinformatics and Software Engineering, Biotia |
| 8-Sep | 12:00 - 12:45 AM | Modeling Approaches | Machine Learning Approaches for Modeling Complex Community Dynamics | Nicholas Chia, PhD  
Associate Professor, Depts of Surgery and Laboratory Medicine and Pathology, Bernard and Edith Waterman Co-Director, Microbiome Program, Mayo Clinic |
| 8-Sep | 12:00 - 12:45 AM | Respiratory Viruses | Memory CD4 T cells established by endemic human Coronaviruses have the potential to be recruited into the response to SARS-Cov-2 | Andrea J. Sant, PhD  
Professor of Microbiology and Immunology, University of Rochester Medical School, David H. Smith Center for Vaccine Biology and Immunology |
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Topic</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
</table>
| 8-Sep | 12:00 - 12:45 AM | Respiratory Viruses          | SeXX Matters for Respiratory Viral Pathogenesis and Responses to Vaccines | Sabra L. Klein, PhD  
Professor, Department of Molecular Microbiology & Immunology,  
Biochemistry & Molecular Biology and International Health  
John Hopkins Bloomberg School of Public Health  
Co-director...                                      |
| 8-Sep | 12:00 - 12:45 AM | Microbial Communities        | Translating Pharmacomicrobiomics: From Microbiome Cloud Uncertainty to Pharmaceutical and Clinical Application(s) | Ramy K. Aziz, PhD  
Head of the Microbiology and Immunology Research Program,  
Children's Cancer Hospital of Egypt; Professor, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University |
| 8-Sep | 07:30 - 08:30 AM | Microbial Communities        | Keynote Presentation: Viromics: Lessons from the Oceans, Soils, and Humans | Matthew Sullivan, PhD  
Professor of Microbiology and Civil, Environmental and Geodetic Engineering; Gordon and Betty Moore Foundation Investigator; Co-director | OSU Infectious Diseases Institute Microbial... |
| 8-Sep | 09:00 - 10:00 AM | Respiratory Viruses          | Keynote Presentation: Development of an Affordable COVID-19 Vaccine Based on a Newcastle Disease Virus Platform | Adolfo Garcia-Sastre, PhD  
Professor, Departments of Microbiology and Medicine, Tisch Cancer Center  
Icahn School of Medicine at Mount Sinai |
| 8-Sep | 10:30 - 11:30 AM | Microbial Communities        | A CRISPR-Powered Universal Infectious Disease Assay | Jon Armstrong, MSc  
Vice President of Research and Development, Jumpcode Genomics |
| 8-Sep | 10:30 - 11:30 AM | Respiratory Viruses          | Serological and Cellular Approaches to COVID-19 Research Using Flow Cytometry | Kamala Tyagarajan, PhD  
Director, Flow Cytometry Assays & Application |
| 8-Sep | 12:00 - 01:00 PM | Respiratory Viruses          | HMGB1 to Help in the Understanding of the COVID-19 Disease | Ulf Andersson  
Professor of Pediatric Rheumatology, Karolinska Institute |
| 9-Sep | 12:00 - 12:45 AM | Infectious Disease           | AtbFinder: A New Diagnostic Tool for the Selection of Optimal Antibiotics for Patients with Drug-Resistant Bacterial Infections | George Tetz, MD, PhD  
Co-Founder, Human Microbiology Institute |
| 9-Sep | 12:00 - 12:45 AM | Infectious Disease           | Development of Capture Sequencing Assays for Enhanced Detection and Genotyping of Tick-borne Pathogens and Infectious Vertebrate Viruses | Komal Jain, M.Sc., MS  
Director of Bioinformatics, Center for Infection Immunity,  
Columbia University Irving Medical Center |
<table>
<thead>
<tr>
<th>9-Sep</th>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12:00 - 12:45 AM</td>
<td>Modeling Approaches</td>
<td>Log-linear Model for Modeling for Biases in Microbiome Studies</td>
<td>Ni Zhao, PhD Assistant Professor of Biostatistics, Johns Hopkins University</td>
</tr>
<tr>
<td>9-Sep</td>
<td>12:00 - 12:45 AM</td>
<td>Infectious Disease</td>
<td>Real World Value of COVID Testing in Reopening Sports, Retail, and Theater</td>
<td>Blythe Adamson, PhD, MPH Founder and Epidemiologist, Infectious Economics, LLC</td>
</tr>
<tr>
<td>9-Sep</td>
<td>12:00 - 12:45 AM</td>
<td>Infectious Disease</td>
<td>RNA Viruses Reshape the RNA Modification Landscape in the Cell</td>
<td>Cara T. Pager, PhD Associate Professor, The RNA Institute, University at Albany, SUNY</td>
</tr>
<tr>
<td>9-Sep</td>
<td>12:00 - 12:45 AM</td>
<td>Infectious Disease</td>
<td>Saliva Diagnostics for Infectious Disease and Cancer</td>
<td>Shi-Long Lu, MD, PhD Professor of Otolaryngology, Pathology Dermatology, University of Colorado School of Medicine; Founder, President, and CSO, Summit Biolabs, Inc.</td>
</tr>
<tr>
<td>9-Sep</td>
<td>12:00 - 12:45 AM</td>
<td>Infectious Disease</td>
<td>Targeted Protein Degradation as an Antiviral Strategy</td>
<td>Priscilla Li-ning Yang, PhD Professor, Department of Microbiology and Immunology, Stanford University School of Medicine</td>
</tr>
<tr>
<td>9-Sep</td>
<td>12:00 - 12:45 AM</td>
<td>Modeling Approaches</td>
<td>Tracking of Novel SARS-CoV-2 Lineages Through Wastewater Surveillance</td>
<td>Marc Johnson, PhD Professor, Molecular Microbiology and Immunology, University of Missouri School of Medicine</td>
</tr>
<tr>
<td>9-Sep</td>
<td>07:30 - 08:30 AM</td>
<td>Infectious Disease</td>
<td>DNA Synthesis for mRNA Therapeutics: How to ensure good results by choosing the right DNA</td>
<td>Axel Trefzer, PhD Director, Research and Development, Thermo Fisher Scientific</td>
</tr>
<tr>
<td>9-Sep</td>
<td>09:00 - 10:00 AM</td>
<td>Infectious Disease</td>
<td>Varicella-Zoster Virus (VZV): One Pathogen with Multiple Clinical Manifestations</td>
<td>Preeti Pancholi, PhD Director, Clinical Microbiology, Professor, Clinical Pathology, The Ohio State University Wexner Medical Center</td>
</tr>
<tr>
<td>9-Sep</td>
<td>10:30 - 11:30 AM</td>
<td>Infectious Disease</td>
<td>Approaches to SARS-CoV-2 Sample Processing for RNA Detection</td>
<td>Nicolas Caffarelli R&amp;D Scientist at MilliporeSigma Kan Saito, PhD R&amp;D Scientist at MilliporeSigma</td>
</tr>
<tr>
<td>9-Sep</td>
<td>10:30 - 11:30 AM</td>
<td>Infectious Disease</td>
<td>Navigating the SARS-2 Pandemic at Riverview Health</td>
<td>Ronald E. Reitenour, MT(ASCP) Area Coordinator-Microbiology, HAZMAT, and Disaster Preparedness for Riverview Health in Noblesville, Indiana</td>
</tr>
<tr>
<td>Date</td>
<td>Start Time</td>
<td>Event Type</td>
<td>Event Description</td>
<td>Presenter</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>------------</td>
<td>-------------------</td>
<td>-----------</td>
</tr>
</tbody>
</table>
| 9-Sep | 12:00 PM - 01:00 PM | Infectious Disease | Keynote Presentation: COVID-19 Point of Care Diagnostics: The Importance of Timing and RNA Levels | Daniel Griffin, MD, PhD  
Chief, Division of Infectious Disease - at OPTUM TriState, Clinical Instructor of Medicine - Columbia University College of Physicians and Surgeons, Department of Medicine-Division of Infectious Diseases |