



Date	Time	Track	Presentation Title	Speaker
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
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
7-Sep	12:00 - 12:45 AM	Immunology	Virus Replication: The Role of the Unique Pathogenic Organelle	Peter L. Nagy, MD., PhD Chief Medical Officer, Praxis Genomics
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
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 Chief Technology Officer, Biotia, Inc.
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
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, Center for Women's Health, Sex, and Gender Research
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
9-Sep	07:30 - 08:30 AM	Infectious Disease	DNA Synthesis for mRNA Therapeutics: How to ensure good results by choosing the right DNA	Axel Trefzer, PhD Director, Product Management, Thermo Fisher Scientific
9-Sep	09:00 - 10:00 AM	Infectious Disease	Varicella-Zoster Virus (VZV):One Pathogen with Multiple Clinical Manifestations	Preeti Pancholi, PhD Director, Clinical Microbiology, Professor, Clinical Pathology, The Ohio State University Wexner Medical Center
9-Sep	10:30 - 11:30 AM	Infectious Disease	Approaches to SARS-CoV-2 Sample Processing for RNA Detection	Nicolas Caffarelli R&D Scientist at MilliporeSigma Kan Saito, PhD R&D Scientist at MilliporeSigma

9-Sep	10:30 - 11:30 AM	Infectious Disease	Navigating the SARS-2 Pandemic at Riverview Health	Ronald E. Reitenour, MT(ASCP) Area Coordinator-Microbiology, HAZMAT, and Disaster Preparedness for Riverview Health in Noblesville, Indiana
9-Sep	12:00 - 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
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
9-Sep	12:00 - 12:45 AM	Modeling Approaches	Log-linear Model for Modeling for Biases in Microbiome Studies	Ni Zhao, PhD Assistant Professor of Biostatistics, Johns Hopkins University
9-Sep	12:00 - 12:45 AM	Infectious Disease	Real World Value of COVID Testing in Reopening Sports, Retail, and Theater	Blythe Adamson, PhD, MPH Founder and Epidemiologist, Infectious Economics, LLC
9-Sep	12:00 - 12:45 AM	Infectious Disease	RNA Viruses Reshape the RNA Modification Landscape in the Cell	Cara T. Pager, PhD Associate Professor, The RNA Institute, University at Albany, SUNY
9-Sep	12:00 - 12:45 AM	Infectious Disease	Saliva Diagnostics for Infectious Disease and Cancer	Shi-Long Lu, MD, PhD Professor of Otolaryngology, Pathology Dermatology, University of Colorado School of Medicine; Founder, President, and CSO, Summit Biolabs, Inc.
9-Sep	12:00 - 12:45 AM	Infectious Disease	Targeted Protein Degradation as an Antiviral Strategy	Priscilla Li-ning Yang, PhD Professor, Department of Microbiology and Immunology, Stanford University School of Medicine
9-Sep	12:00 - 12:45 AM	Modeling Approaches	Tracking of Novel SARS-CoV-2 Lineages Through Wastewater Surveillance	Marc Johnson, PhD Professor, Molecular Microbiology and Immunology, University of Missouri School of Medicine