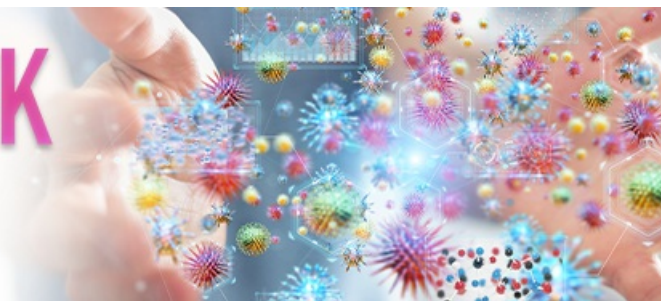


# MICROBIOLOGY WEEK

## VIRTUAL EVENT SERIES

SEPTEMBER 6-8, 2022



Date	Time	Track	Presentation Title	Speaker
	06:00 - 06:00 AM	Respiratory Viruses	Mechanisms of Immune Evasion by RSV Nonstructural Proteins	Daisy Leung, PhD Associate Professor, Department of Medicine, Division of Infectious Diseases Washington University School of Medicine
	06:00 - 06:00 AM	Respiratory Viruses	Pleural Macrophages Promote Recovery From Influenza Virus Infection	Juliet Morrison, PhD Assistant Professor, Department of Microbiology and Plant Pathology University of California, Riverside
	06:00 - 06:00 AM	Infectious Disease	Resistance To Darunavir and Fifth Generation HIV Protease Inhibitors	Ronald Swanstrom, PhD Postelle Distinguished Professor of Biochemistry and Co-Director of the UNC CFAR University of North Carolina Chapel Hill
	06:00 - 06:00 AM	Infectious Disease	Sensitizing Antibiotic-Tolerant Bacteria to Topoisomerase Inhibitors to Reduce Infection Relapse and Resistance Development	Wendy W.K. Mok, PhD Assistant Professor, Department of Molecular Biology and Biophysics UConn Health
	07:30 - 08:30 AM	Big Data in Infectious Disease and Host Response	Keynote Presentation: AI and Multi-Omics in Perinatal Period	Josef Neu, M.D. Professor, Department of Pediatrics, Division of Neonatology, University of Florida
	09:00 - 09:00 AM		Accelerating Vaccine Development with Automated HTS Library Prep	Graham Freimanis, PhD Postdoctoral Research Scientist
	10:30 - 11:30 AM		Panel Presentation: Validating a Fluorescence Cell Sorter for Infectious Disease and Immunology Applications	Matt Riddle Flow Cytometry Specialist at Miltenyi Biotec Marissa Fahlberg Assistant Director of the Flow Cytometry Core at Tulane National Primate Research Center

12:00 - 01:00 PM	Immunology	Dissecting Host/Pathogen Interactions in the Gastrointestinal Epithelium	Megan L. Stanifer, PhD Assistant Professor, Department of Molecular Genetics and Microbiology, University of Florida, College of Medicine
01:30 - 02:10 PM	Immunology	Escaping The Lung - What Can Circulating Mycobacterium Tuberculosis Dna Tell Us About Tb Infection in Humans?	Pranabashis Haldar, PhD Associate Clinical Professor of Respiratory Medicine and Lead Physician for Clinical TB Services, Leicester Glenfield Hospital
03:00 - 04:00 PM	Immunology	cGas-Like Enzymes in Bacterial Immunity	Aaron Whiteley, PhD Assistant Professor, Department of Biochemistry, University of Colorado Boulder
06:00 - 06:00 AM	Microbial Communities	Bacterial Response and Adaptation to Host-Targeting Chemotherapies Alters Drug Metabolism	Amir Mitchell, PhD Associate Professor, Department of Systems Biology, Department of Molecular, Cell, and Cancer Biology, Program in Molecular Medicine. University of Massachusetts Chan Medical School
06:00 - 06:00 AM	Microbial Communities	Polymicrobial Biofilms: The Importance of Building Better Biofilm Models for Research Translation	Shaun N. Robertson, PhD Research Fellow & ICURe ECR, National Biofilms Innovation Centre, Biodiscovery Institute, University of Nottingham
06:00 - 06:00 AM	Microbial Communities	The Vaginal Microbiome and Susceptibility to Urogenital Infections	Susan Tuddenham, MD MPH Assistant Professor, Infectious Diseases, Johns Hopkins Department of Medicine
06:00 - 06:00 AM	Microbial Communities	The Vaginal Microbiome and Women's Health	Priyanka Jain Co-Founder and CEO, Evvy
06:00 - 06:00 AM	Microbial Communities	Vaginal Microbiome and Immunity	Smita Gopinath, PhD Assistant Professor, Department of Immunology and Infectious Diseases, Harvard School of Public Health
06:00 - 06:00 AM	Respiratory Viruses	Viral Genomics of SARS-CoV-2 and its Variants	Dirk Dittmer, Ph.D., MS Professor, UNC Department of Microbiology and Immunology Director, University of North Carolina at Chapel Hill, Viral Genomics (Vironomics) Core

07:30 - 08:30 AM	Respiratory Viruses	Keynote Presentation: The Importance of Timing: Managing COVID-19 with Live Q&A	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
09:00 - 10:00 AM	Infectious Disease	Panel Presentation: Antimicrobial Resistance (AMR) Summit: Identifying Antimicrobial Resistance from Sample to Insight	Dominic O'Neil, MS, MBA Director of Microbiome Product Development, QIAGEN Dylan Barbera Global Product Manager, UNGS Genotyping Daniel Hand, PhD Senior Field Application Scientist EMEA, QIAGEN Digital Insights
10:30 - 11:30 AM	Microbial Communities	Keynote Presentation: Functional Consequences of the Human Enteric Virome in IBD	Kate L. Jeffrey, PhD Executive Director Moderna Therapeutics
12:00 - 01:00 PM	Respiratory Viruses	A Universal "Day Zero" Infectious Disease Testing Strategy Exploiting CRISPR-based Sample Depletion and Metagenomic Sequencing with Live Q&A	Jon Armstrong, MSc Vice President of Research and Development, Jumpcode Genomics
01:30 - 02:30 PM	Microbial Communities	Validation and Standardization Of DNA Extraction and Library Construction Methods for Metagenomics-Based Human Fecal Microbiome Measurements	Dieter M. Turlousse, PhD Senior Scientist, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan
03:00 - 04:00 PM		High-Sensitivity, Targeted NGS Variant Detection of Viral and Bacterial Pathogens: A Novel Solution for Healthcare and Environmental Surveillance and Research	Dylan Barbera Global Product Manager, UNGS Genotyping
06:00 - 06:00 AM	Infectious Disease	Covid Testing Challenges And Opportunities; A Picture is Worth a Thousand Words	Irene Bosch, PhD CEO and Founder IDx20 Inc.
06:00 - 06:00 AM	Big Data in ID and Host Response	Getting Ready for The Next Pandemic: Communication of Data in Crisis Mode	Imre Varju, MD, PhD, MPH Research Fellow, Semmelweis University, Academic Trainee, Columbia University Mailman School of Public Health
06:00 - 07:00 AM		Improved RNA-Seq Data Quality from Low-Input and FFPE Samples Using Enzyme-Free Ribosomal RNA Removal Kits	Samuel Rulli, PhD Senior Global Product Manager, RNA Profiling , QIAGEN

06:00 - 06:00 AM	Big Data in Infectious Disease and Host Response	Inferring Selection Effects in SARS-CoV-2 with Bayesian Viral Allele Selection	Martin Jankowiak, PhD Machine Learning Fellow, Broad Institute of MIT and Harvard
06:00 - 06:00 AM	Infectious Disease	Towards Using Host Targeted Interventions Against Infectious Diseases	Alexis Kaushansky, PhD Associate Professor of Pediatrics, University of Washington, Adjunct Associate Professor of Global Health, Center for Global Infectious Disease Research, Seattle Children's Hospital
06:00 - 06:00 AM	Infectious Disease	Transposon Mediated Forward Genetic Screens Identify Cell Intrinsic Resistance to Emerging Viral Pathogens	Anna Bruchez, PhD Assistant Professor, Department of Pathology, Case Western Reserve University School of Medicine
06:00 - 06:00 AM	Infectious Disease	Viruses Behaving Badly: How Viruses Subvert Cellular Metabolism to Replicate	Bryan Mounce, PhD Assistant Professor, Department of Microbiology and Immunology, Loyola University Chicago Stritch School of Medicine
07:30 - 08:30 AM	Infectious Disease	Fast and Reliable Gene Synthesis for Optimized Protein Expression	Claudia Chiocchini Staff Scientist, R&D, Thermo Fisher Scientific
09:00 - 10:00 AM	Infectious Disease	Keynote Presentation: Strategies for Epidemics Containment in the Context of the Anthropocene's Planet Degradation with Live Q&A	Francisco Veas, PhD Research Director and Professor, Montpellier University
10:30 - 11:30 AM	Infectious Disease	Keynote Presentation: Lipoprotein Receptors are Evolutionarily Conserved Cellular Receptors for Divergent Alphaviruses with Live Q&A	Jonathan Abraham, M.D., Ph.D. Assistant Professor of Microbiology at Harvard Medical School, Associate Physician in Infectious Diseases, Brigham & Women's Hospital
12:00 - 01:00 PM	Infectious Disease	Panel Presentation: RT-LAMP: Best Practices and Tips to Accelerate Detection of Viral Pathogens, Including SARS-CoV-2	Ingrida Vendelè, PhD R&D Manager for Molecular and Synthetic Biology, Thermo Fisher Scientific Leann Buhrow, PhD R&D Scientist, Molecular Biology, Thermo Fisher Scientific
01:30 - 02:30 PM		Panel Presentation: Optimization of Wastewater SARS-CoV-2 Samples to Enable NGS-based Detection of Emerging Variants	Dominic O'Neil, MS, MBA Director of Microbiome Product Development, QIAGEN Jonathan Shaffer, PhD, MBA Director, R&D, NGS Assay Technologies, QIAGEN

	03:00 - 04:00 PM	Infectious Disease	Congenital Cytomegalovirus: The Case for Newborn Screening	Megan Pesch, MD, MS Assistant Professor in Development and Behavioral Pediatrics, Department of Pediatrics, University of Michigan
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