

# Microbiology Week

VIRTUAL EVENT SERIES

September 5-7, 2023

Date	Time	Track	Presentation Title	Speaker
5-Sep	07:30 - 08:30 AM	Immunology	Keynote Presentation: Interferons: Friends or Foes in Lung Virus Infections? With Live Q&A	Ivan Zanoni, PhD Associate Professor of Pediatrics, Boston Children's Hospital Chair in the Field of Immunology, Harvard Medical School, Research Faculty, Division of Immunology, Division of Gastroenterology, Boston Children's Hospital
5-Sep	09:00 - 10:00 AM	Infectious Disease	Unraveling Arbovirus Emergence: Insights into the Molecular Switch from Vector to Host	Pierre-Yves Lozach, PhD Research Director, INRAE-University Lyon
5-Sep	10:30 - 11:30 AM	Immunology	Impact of the Hypoxic Gut Microenvironment on Host Enteric Pathogen Interactions	Steeve Boulant, PhD Associate Professor, Department of Molecular Genetics & Microbiology, University of Florida, College of Medicine
5-Sep	12:00 - 01:00 PM	Immunology	Adjuvant Elicited T Cell Responses for Therapeutic Intervention	Ross Kedl, PhD Professor of Immunology & Microbiology, University of Colorado Anschutz School of Medicine
5-Sep	On-Demand	Immunology	Bacterial Chemotaxis in Beneficial Plant-Microbe Associations	Gladys Alexandre, PhD Professor, Biochemistry & Cellular and Molecular Biology, The University of Tennessee, Knoxville
5-Sep	On-Demand	Infectious Disease	Elucidating the Interactions of Cryptococcus Neoformans and Microglia	Luis R. Martinez, PhD Associate Professor, University of Florida
5-Sep	On-Demand	Infectious Disease	Plasmodium Proliferation in Human Erythrocytes: How, Why, and Who?	Markus Ganter, PhD Research Group Leader, Center for Infectious Disease, Heidelberg University Hospital
6-Sep	06:00 - 07:00 AM	Microbes and Their Communities	Panel Presentation: Implementing a Real-Time PCR-Based Method for Sterility Release Testing of ATMPs with Live Q&A	Dr. Alexandra Mueller-Scholz Lead PCR & Microbiology Application Development Team, Sartorius Yasmin Heynen Molecular Development, Labor LS

6-Sep	07:30 - 08:30 AM	Emerging and Re-emerging Viruses	Keynote Presentation: Pathogen Discovery and Diagnostic Tools for Pandemic Preparedness and Prevention with Live Q&A	Nischay Mishra, PhD Assistant Professor, Epidemiology, Center for Infection and Immunity, Columbia University
6-Sep	09:00 - 10:00 AM	Microbes and Their Communities	Keynote Presentation: Comparative Genomics of Two Common Skin Microbiome Members: CoNS Staphylococcus and Corynebacterium Tuberculoearicum with Live Q&A	Sean Conlan, PhD Associate Investigator, Microbial Genomics Section, National Human Genome Research Institute
6-Sep	10:30 - 11:30 AM	Emerging and Re-emerging Viruses	Advancing RSV Research: Expanding Therapeutic Options with Recombinant Antibodies and Antigens with Live Q&A	Mohammad S. Safiarian, PhD Associate Product Manager, Sino Biological
6-Sep	12:00 - 01:00 PM	Microbes and Their Communities	Innate Immunity and Microbiome of the Human Female Reproductive Tract	Mimi Ghosh, PhD, MS Associate Professor, Department of Epidemiology, Milken Institute School of Public Health, The George Washington University
6-Sep	On-Demand	Microbes and Their Communities	Multifaceted Community Analyses Uncover Novel Bacterial Species in the Colorectal Tumor Niche	Martha Zepeda Rivera, PhD Staff Scientist, Fred Hutchinson Cancer Center
6-Sep	On-Demand	Emerging and Re-Emerging Viruses	The Arenavirus-Host Cell Interface: At the Crossroads of Virus Replication, Host Cell Response and Pathogenesis	Allison Groseth, PhD Laboratory Head, Laboratory for Arenavirus Biology, Institute of Molecular Virology and Cell Biology, Friedrich-Loeffler-Institut
7-Sep	06:00 - 07:00 AM	Infectious Disease	Panel Presentation: Molecular Diagnostic Approaches to Accelerate and Improve STI Diagnosis & Research	Barbara Van Der Pol, PhD, M.P.H. Professor of Medicine and Public Health at the University of Alabama at Birmingham (UAB); Director of the UAB STD Diagnostics Laboratory; President of the International Society for STD Research Bina Shanbhag Senior Product Manager, Thermo Fisher Scientific Sangita Parikh Sr. Manager, Product Management
7-Sep	07:30 - 08:30 AM	Infectious Disease	Keynote Presentation: c-di-GMP Signaling in Borrelia Burgdorferi: A Guiding Compass for Navigating the Enzootic Cycle with Live Q&A	Melissa J. Caimano, PhD Associate Professor, Departments of Medicine, Pediatrics, Molecular Biology and Biophysics, UConn Health
7-Sep	09:00 - 10:00 AM	Infectious Disease	Keynote Presentation: Role of LDL Related Receptor Proteins in Viral Infection with Live Q&A	Gaya K. Amarasinghe, PhD Alumni Endowed Professor of Pathology and Immunology, Division of Laboratory and Genomic Medicine, Department of Pathology and Immunology, Washington University School of Medicine
7-Sep	10:30 - 11:30 AM	Infectious Disease	Talking Diagnostics: A "Culture" Moving to PCR	Dr. Michael Perry Deputy Lead Scientist, UK Anaerobe Reference Unit, Public Health Wales Microbiology Cardiff, University Hospital of Wales

7-Sep	12:00 - 01:00 PM	Infectious Disease	Utilizing Molecular Technologies to Drive Productivity in the Microbiology Lab with Live Q&A	Scott E. Brady CEO and Founder, Wise Diagnostic Systems
7-Sep	On-Demand	Infectious Disease	Control of Helicobacter Pylori with Engineered Probiotics Secreting Selective Guided Antimicrobial Peptides	Christopher Kearney Associate Professor, Biology, Baylor University
7-Sep	On-Demand	Infectious Disease	Machine Learning Insights into Antimicrobial Efficacy and Resistance	Jason H. Yang, PhD Assistant Professor and Chancellor Scholar, Department of Microbiology, Biochemistry and Molecular Genetics, Ruy V. Lourenço Center for Emerging and Re-Emerging Pathogens, Rutgers New Jersey Medical School