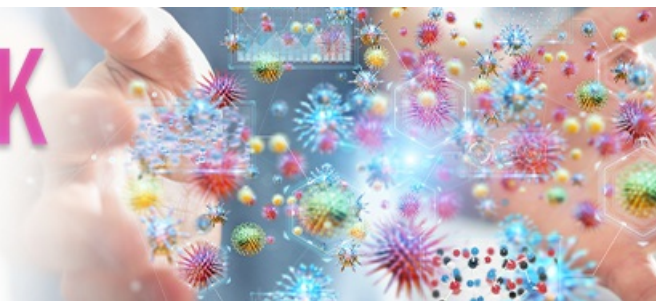


MICROBIOLOGY WEEK

VIRTUAL EVENT SERIES

SEPTEMBER 6-8, 2022



| Date | Time | Track | Presentation Title | Speaker |
|-------|---------------------------|--|---|---|
| 6-Sep | 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 |
| 6-Sep | 09:00 - 09:00 AM | | Accelerating Vaccine Development with Automated HTS Library Prep | Graham Freimanis, PhD Postdoctoral Research Scientist |
| 6-Sep | 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 |
| 6-Sep | 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 |
| 6-Sep | 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 |
| 6-Sep | 03:00 - 04:00 PM | Immunology | cGas-Like Enzymes in Bacterial Immunity | Aaron Whiteley, PhD Assistant Professor, Department of Biochemistry, University of Colorado Boulder |
| 6-Sep | 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 |

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| 6-Sep | 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 |
| 6-Sep | 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 |
| 6-Sep | 06:00 - 07:00 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 |
| 7-Sep | 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 |
| 7-Sep | 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 |
| 7-Sep | 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 |
| 7-Sep | 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 |
| 7-Sep | 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 |
| 7-Sep | 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 |

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| 7-Sep | 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 |
| 7-Sep | 06:00 - 06:00 AM | Microbial Communities | Polymicrobial Biofilms: The Importance of Building Better Biofilm Models for Research Translation | Shaun N. Robertson, PhD CEO- MiDx, Research Fellow & ICURE ECR, National Biofilms Innovation Centre, Biodiscovery Institute, University of Nottingham |
| 7-Sep | 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 |
| 7-Sep | 06:00 - 06:00 AM | Microbial Communities | The Vaginal Microbiome and Women's Health | Priyanka Jain Co-Founder and CEO, Evvy |
| 7-Sep | 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 |
| 7-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 07:30 - 08:30 AM | Infectious Disease | Fast and Reliable Gene Synthesis for Optimized Protein Expression | Claudia Chiocchini Manager, Research and Development |
| 8-Sep | 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 |
| 8-Sep | 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 |

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| 8-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 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. |
| 8-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 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 |
| 8-Sep | 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 |