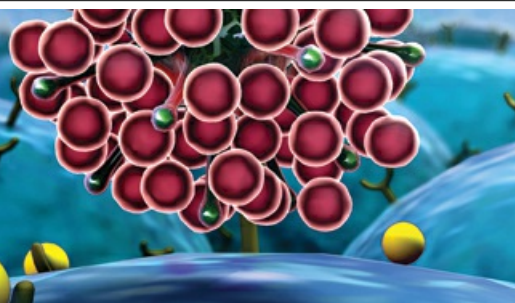


# MICROBIOLOGY & IMMUNOLOGY

## SEPTEMBER 12th-13th

### 2018



Date	Time	Track	Presentation Title	Speaker
12-Sep	06:00 - 07:00 AM	Infectious Diseases	Accelerating Tuberculosis Elimination with Genomics	Jennifer Gardy, PhD Assistant Professor, Canada Research Chair in Public Health Genomics, Senior Scientist (Genomics), BC Centre for Disease Control, The University of British Columbia
12-Sep	06:00 - 07:00 AM	Applied Microbiology	Advancing Metagenomic Tools for Monitoring Antibiotic Resistance and Pathogen Gene Markers in Water and the Environment	Amy Pruden, PhD Professor of Civil & Environmental Engineering, Associate Dean and Director of Interdisciplinary Graduate Education, Virginia Tech
12-Sep	06:00 - 07:00 AM	Ecology & Evolution	How Phage Create an Immune System: BAM Immunity & Transcytosis	Forest Rohwer, PhD Professor of Biology, San Diego State
12-Sep	07:30 - 08:30 AM	Infectious Diseases	Keynote Presentation: Multiplex Molecular Panels in Syndromic Infectious Diseases Testing	Vera Tesic, MD, MS, D (ABMM), M (ASCP) Assistant Professor of Pathology, Assistant Director of Clinical Microbiology and Immunology Laboratories, The University of Chicago Medicine
12-Sep	09:00 - 10:00 AM	Ecology & Evolution	Antimicrobial Stewardship - Its Role in Managing Antibiotic Resistance	Haley Appaneal, Pharm D. Research Health Scientist, Providence VA Medical Center
12-Sep	09:00 - 10:00 AM	Infectious Diseases	The Persistence of Pertussis and the Prognostic Value of Bordetella Detection	Karissa Culbreath, Ph.D., D(ABMM) Scientific Director of Infectious Diseases, Tricore Reference Laboratories; Assistant Professor of Pathology, University of New Mexico Health Sciences Center
12-Sep	10:30 - 11:30 AM	Applied Microbiology	Bacteria that Eat Electricity: Understanding Biocathodes Using Culture Independent Techniques	Brian Eddie, PhD Research Biologist, Center for Bio/Molecular Science and Engineering, Naval Research Laboratory

12-Sep	10:30 - 11:30 AM	Ecology & Evolution	Human and Environmental Microbial Health: A Global Perspective	Jack Gilbert, PhD Faculty Director, The Microbiome Center, Professor, Department of Surgery, The University of Chicago
12-Sep	10:30 - 11:30 AM	Infectious Diseases	Laboratory Role in Diagnosis of Antiphospholipid Antibodies and Antiphospholipid Syndrome	Vladimir Vidanovic, MD Assistant Professor of Clinical Pathology, University of Illinois at Chicago
12-Sep	12:00 - 01:00 PM	Applied Microbiology	Antimicrobial Resistance Identification, Strain Typing, and Assay Design with CLC Genomics Workbench	Winnie Ridderberg, PhD Senior Scientist, Microbial Genomics, QIAGEN
12-Sep	12:00 - 01:00 PM	Emerging Trends in Obtaining and Analyzing Samples	ONETest PathoGenome: A Target Hybridization-Based Next-Generation Sequencing Assay to Tackle Undiagnosed Infections	Mohammad Qadir, PhD President & Chief Scientific Officer, Fusion Genomics
12-Sep	12:00 - 01:00 PM	Infectious Diseases	Tracking Antibiotic Resistance Across Space and Time	Sean Conlan, PhD Associate Investigator, Microbial Genomics Section, National Institutes of Health (NIH)
12-Sep	01:30 - 02:30 PM	Infectious Diseases	Connect Across 1000s of Expertly Curated Genomics Datasets Using QIAGEN's Immunology Focused DiseaseLand Database	Lucy Williams, PhD Senior Bioinformatics Scientist, QIAGEN
12-Sep	01:30 - 02:30 PM	New Methods and Emerging Trends	The NCTC 3000 Project: Mapping the Genetic Codes of 3000 Pathogenic Bacteria	Julie Russell, PhD Head of Culture Collections, National Infection Service, Public Health England (PHE)
13-Sep	06:00 - 07:00 AM	Virulence and Vaccinations	The Evolution of Diverse, Ubiquitous CRESS DNA Viruses	Siobain Duffy, PhD Associate Professor, Department of Ecology, Evolution & Natural Resources, Rutgers University
13-Sep	06:00 - 07:00 AM	Applied Microbiology	The Hurricane Microbiome Project: Environmental Exposures and Population Health	Joseph Petrosino, PhD Professor and Interim Chairman, Baylor College of Medicine
13-Sep	07:30 - 08:30 AM	Applied Microbiology	Keynote Presentation: Tracking the Resistome in One Health Surveillance	Patrick McDermott, MS, PhD Director, The National Antimicrobial Resistance Monitoring System, Office of Research, Center for Veterinary Medicine, Food & Drug Administration

13-Sep	09:00 - 10:00 AM	New Methods and Emerging Trends	Novel Solutions for Unbiased Results in Metagenomic Analysis of Human Microbiome Samples	Matthew Fosbrink, PhD Scientist BRC Product Development, QIAGEN Dominic O'Neil Director Microbiome Product Development, QIAGEN
13-Sep	09:00 - 10:00 AM	Ecology & Evolution	Viruses in Soils - What Do We Know, and Where Do We Go From Here?	Laura Zinke, PhD Post Doctoral Researcher, University of California Davis
13-Sep	10:30 - 11:30 AM	Ecology & Evolution	Studying Environmental Sensing and Response in a Bacterial Plant Pathogen - Inside Out	Ann Stevens, PhD Professor of Microbiology, Department of Biological Sciences, Virginia Tech
13-Sep	10:30 - 11:30 AM	Emerging Trends in Obtaining and Analyzing Samples	Understanding and Inhibiting Horizontal Gene Transfer of Antibiotic Resistance	Allison Lopatkin, PhD Postdoctoral Scholar, Massachusetts Institute of Technology (MIT), Broad Institute of MIT and Harvard
13-Sep	12:00 - 01:00 PM	New Methods and Emerging Trends	Disrupting Sexually Transmitted Diseases by Leveraging Innovative Technologies for Prevention: An Overview of Global and Local STD Trends and Impact	Joan M. Chow, MPH, DrPH Chief, Surveillance, Epidemiology, Assessment & Evaluation Section Sexually Transmitted Disease Control Branch California Department of Public Health
13-Sep	12:00 - 01:00 PM	Virulence and Vaccinations	Outer Membrane Remodeling of Attenuated Salmonella to Create a Mucosal Vaccine Against Acinetobacter Baumannii	James Galen, PhD Professor, Center for Vaccine Development, University of Maryland Baltimore
13-Sep	12:00 - 01:00 PM	Applied Microbiology	Symbiotic Programming of Plants for Stress Tolerance with Fungal Endophytes: Altering the Future of Food Security, Political Stability and Poverty	Rusty Rodriguez, PhD CEO, Adaptive Symbiotic Technologies
13-Sep	01:30 - 02:30 PM	Ecology & Evolution	Mechanisms of Antimicrobial Bioconversion by Environmental and Host-Associated Bacteria	Terence Crofts, PhD Pathology and Immunology Postdoctoral Scholar, Dantas Lab, Washington University in St. Louis
13-Sep	01:30 - 02:30 PM	Emerging Trends in Obtaining and Analyzing Samples	New PacBio Solutions for High-Resolution Microbiology & Immunology Analysis	Jonas Korlach, PhD Chief Scientific Officer, Pacific Biosciences