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 | | 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 | | 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 |
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| 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 |
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| 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 Programing 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 |