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| 12-Sep| 6:00-7:00 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| 6:00-7:00 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| 7:30-8:30 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| 9:00-10:00 AM | Ecology & Evolution  | Antimicrobial Stewardship - Its Role in Managing Antibiotic Resistance                                                                                                                                               | Haley Appaneal, PharmD  
Research Health Scientist, Providence VA Medical Center                                                                                     |
| 12-Sep| 9:00-10:00 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 | 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| 12:00-1:00 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| 12:00-1:00 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| 12:00-1:00 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| 1:30-2:30 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                                                                                                    |
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| 12-Sep | 1:30-2:30 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 | 6:00-7:00 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 | 6:00-7:00 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 | 7:30-8:30 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 | 9:00-10:00 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 | 9:00-10:00 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 | 12:00-1:00 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 | 12:00-1:00 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 | 12:00-1:00 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 | 1:30-2:30 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 | 1:30-2:30 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 |