CCMID

THE CONSORTIUM FOR CLINICAL METAGENOMICS IN INFECTIOUS DISEASES

Below is a selection of posters, presentations, and events at IDWeek 2026 in Washington, DC (October 20 – 25, 2026) relating to topics of interest to the CCMID community. Please see the IDWeek program at https://www.idweek.org/program/ for additional information.

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TUESDAY, OCTOBER 20, 2026

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WORKSHOP

• 1:00 PM – 5:00 PM — PW11: Clinical Diagnostics — Location: 102 AB
  – Pathogen Metagenomics in Patient Care: Promise, Progress and Practicalities: Luke Blagdon Snell, MD PhD
  – Host Transcriptomics in Infectious Disease Diagnosis: Ready for Prime Time?: Charles Chiu, MD PhD
  – Modernizing AST: What's New in Phenotypic and Genotypic Antimicrobial Susceptibility Testing: Trish Simner, PhD

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WEDNESDAY, OCTOBER 21, 2026

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EVENING EVENT

• Delve event — An Evening at the National Zoo with Delve Bio (RSVP required – contact Delve representatives if interested)

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THURSDAY, OCTOBER 22, 2026

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EVENING EVENT

• CCMID Mixer — Time: 7:00pm – 9:00pm. Dasha Beer Garden, Shaw. 1600 7th St NW, Washington, DC 20001

PRESENTATIONS

• 1:00 PM – 1:20 PM — Leveraging AI to Accurately Predict Antimicrobial Resistance from Next-Generation Sequencing Data
  Location: Exhibit Hall
  Sponsored Speaker: Nick Gauthier, PhD (BugSeq)

• 2:15 PM – 2:30 PM — The Microbial Black Market: Plasmid Transmission Networks Drive High-Priority AMR Spread in a Tertiary-Care Hospital — Location: 201
Presenting Author: Nathan J. Raabe, MPH, PhD

• 2:30 PM – 2:45 PM — Genomic diversity of global colonizing multidrug-resistant Klebsiella pneumoniae isolates across multiple high prevalence resource-limited settings — Location: 201
Presenting Author: Ahmed Babiker, MBBS, MSc

• 3:15 PM – 3:27 PM — Real-World Outcomes of a National Bacteriophage Therapy Program: Seven Years of the Pittsburgh Phage Program (P3) — Location: 206
Presenting Author: Ghady Haidar, MD

• 4:15 PM – 4:27 PM — Outbreak of Carbapenemase–Producing Salmonella Newport Infections Linked to Moringa Capsules — Location: 103 AB
Presenting Author: Louise Francois Watkins, MD, MPH

POSTERS — THURSDAY
• (P-21) Fecal Microbiome, Metabolome and Host Biomarker Analysis in Subjects Receiving CRS3123 vs Vancomycin for the Treatment of Clostridioides difficile Infection
• (P-604) Implementation of a Karius “Freeze-and-Hold” Strategy for Diagnostic Stewardship in a Community Hospital
• (P-614) Diagnostic Accuracy of Novel Microorganism- and Host-Directed Tests for Ventilator-Associated Pneumonia: Results from the MASTERMIND-Pneumonia Study
• (P-638) Re-emergence of the Enterovirus Echovirus 17 in New York State in 2026
• (P-658) Clinical Characteristics of Neuroinvasive Arbovirus Infections Detected by Metagenomic Next-Generation Sequencing
• (P-659) Enterovirus Subtyping using Unbiased Metagenomic Next-Generation Sequencing for Patients with Enteroviral Meningoencephalitis
• (P-712) Evaluating the Use of Next-Generation Sequencing in Infectious Disease Diagnosis: Clinical Impact at UT Health San Antonio / University Hospital (San Antonio, TX)
• (P-714) Online Continuing Medical Education Enhances Clinical Understanding and Confidence in Metagenomic Next-Generation Sequencing Tests for Infectious Diseases
• (P-720) Complementary Performance of Three Next-Generation Sequencing for Pathogen Detection in Fresh Lung Transplant Recipients
• (P-723) Microbial Cell Free DNA Assay Usage and Impact on Clinical Decisions
• (P-746) Comparative Performance of Plasma Microbial Cell-Free DNA Metagenomic Sequencing Versus PCR for Six Clinically Significant DNA Viruses in a Pediatric Cohort
• (P-747) Clinical Performance of Plasma Microbial Cell-Free DNA in Children with Acute Hematogenous Musculoskeletal Infections (Pragmatic Diagnostic Validation)
• (P-749) Real World Use of Plasma Metagenomic Sequencing: Single Center Review of 447 cases
• (P-752) Plasma Metagenomic Next-Generation Sequencing for Diagnosis and Prognosis in Solid-Organ Transplant Recipients
• (P-757) Clinical utility of next-generation sequencing (NGS) for infectious disease diagnosis: a single-center experience
• (P-1433) Candida lipolytica Pseudo-Outbreak Associated with Blood Culture Collection in an Acute Care Hospital
• (P-1616) Clinical Characteristics and Outcomes of Bartonella Endocarditis at Texas Children’s Hospital: A Retrospective Review (2004–2026)

• (P-1631) Lower Airway Microbiota Dysbiosis and Host Transcriptomic Alterations in Children with Necrotizing Pneumonia
• (P-1668) Dynamics of the Pediatric Nasal Microbiome Across the Course of Acute Respiratory Viral Infections
• (P-1701) Karius Use in Pediatric Patients After Congenital Heart Disease Repair in a Cardiovascular Intensive Care Unit

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FRIDAY, OCTOBER 23, 2026
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EVENT
• Karius event — From Diagnosis to Decision with Karius: A Roundtable Discussion on Diagnostic Stewardship, Implementation, and Clinical Utility of mcfDNA Testing - 6:00pm - 9:00pm, Zaytinya's (RSVP required – contact Karius representatives if interested)

PRESENTATIONS
• 11:18 AM – 11:30 AM — When Fungi Show Up: Clinical Relevance and Outcomes of Fungal Detections by Plasma Microbial Cell-Free DNA Sequencing — Location: 201
Presenting Author: Sofia Molina Garcia, MD (Mayo Clinic)

• 12:15 PM – 12:20 PM — Rapid-Fire Poster Session: Old Foes, New Strategies
Predicting Phage-Antibiotic Combination Efficacy in Metallo-β-Lactamase-Producing Pseudomonas aeruginosa Using Whole Genome Sequencing, Growth Suppression, and Time-Kill Analysis — Location: RF Arena 2
Rapid Fire Presenter: Rachel B. Sidebottom, BA

• 12:30 PM – 12:35 PM — Rapid-Fire Poster Session: ID Grab Bag
Comprehensive Analysis of Gene Expression-Based Classifiers for Infection Etiology — Location: RF Arena 4
Rapid Fire Presenter: Fiona R. Strouts, PhD

• 1:45 PM – 3:00 PM — Global Perspectives: From Viral Genomes to AI Surveillance — Location: 202 AB
Moderators: Nongnooch Poowanawittayakom, MD, MPH; Yoshikazu Mutoh, MD

• 1:45 PM – 3:00 PM — Next-Generation Sequencing in Infectious Diseases Clinical Care — What Does the Evidence Show? — Location: 144 ABC
Moderators: Shiwei Zhou, MD; Hannah Wang, MD, D(ABMM)
– 1:45 PM – 2:10 PM — Use of NGS in the Critically Ill — Speaker: Natasha Spottiswoode, MD, D.Phil
– 2:10 PM – 2:35 PM — NGS in Immunocompromised Patients — Speaker: Joshua Lieberman, MD, PhD
– 2:35 PM – 3:00 PM — Applications of NGS in Cardiac Device-Related Infections — Speaker: Sarwat Khalil, MD

• 3:15 PM – 3:30 PM — Respiratory syncytial virus (RSV) genomic diversity influences mucosal innate immune responses and disease severity in young children — Location: 102 AB
Presenting Author: Helena Brenes-Chacon, MD

• 3:45 PM – 4:00 PM — Host Transcriptomics Identify Undetected Bacterial Co-Infections in Children Classified with Viral Community-Acquired Pneumonia — Location: 102 AB
Presenting Author: Diogo F. T. Veiga, PhD

• 4:15 PM – 4:30 PM — Use of Syndromic Surveillance to Estimate Trends in Parvovirus-B19 Illness… (Chicago, May–July 2025) — Location: 102 AB
Presenting Author: Marielle Fricchione, MD

• 3:45 PM – 4:00 PM — Species-Specific Analyses of Enterobacterales ampC Derepression Rates Show Increasing Serratia marcescens Rates over Time at a U.S. Center — Location: 103 AB
Presenting Author: Garret J. Smith, BS

POSTERS — FRIDAY
• (P-205) Gut Microbiome Diversity and Pathogen Abundance are Associated with Environmental Contamination
• (P-207) Functional and Compositional Shifts in the Gut Microbiome in Pediatric Staphylococcus aureus Skin and Soft Tissue Infections
• (P-212) Age-Associated Landscape of Antimicrobial Resistance Genes in the Human Gut Microbiome
• (P-1598) Using Floodwater Sediment for Pathogen Detection: Opportunities and Challenges
• (P-1877) The Impact of Plasma Next-Generation Microbial Cell-Free DNA Sequencing on Therapeutic Management in Critically Ill Pediatric Patients

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SATURDAY, OCTOBER 24, 2026
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SESSION
• 8:00 AM – 9:00 AM — Leveraging Sequencing Strategies for Public Health Surveillance — Location: 102 AB
Moderators: Shiwei Zhou, MD (University of Michigan); Anne Piantadosi, MD, PhD (Emory University)
Faculty: Kimberlee A. Musser, PhD (New York State Department of Health); Jonathan Edgeworth, PhD, FRCPath (Guy's and St Thomas' NHS Foundation Trust)
- 8:00 – 8:30 - Next-Generation Sequencing Approaches to Improve Public Health Testing and Investigations – Speaker: Kim Musser, PhD
– 8:30 AM – 9:00 AM — Leveraging Clinical Metagenomic Data for Public Health Surveillance — Speaker: Jonathan Edgeworth, PhD, FRCPath

• 10:30 AM – 11:45 AM — Is This Infectious? Pediatric Physician Scientists on the Case! — Location: 204 ABC
Moderators: Allison H. Bartlett, MD, MS; Lilliam Ambroggio, PhD, MPH
- 11:20-11:45 - Differentiating Colonization From Infection in Critically Ill Children Using mNGS – Chaz Langelier, MD PhD

• 10:30 AM – 10:42 AM — When Are Two Isolates the Same? Defining Genomic Thresholds for Strain Relatedness in Hospital Epidemiology — Location: 209 ABC
Presenting Author: Kristine Kay, PhD

• 2:15 PM – 2:30 PM — Genomic Epidemiology of U.S. Neonatal Escherichia coli Infections — Location: 103 AB
Presenting Author: Dustin Daniel Flannery, DO, MSCE

• 3:30 PM – 3:45 PM — Whole-Genome Sequencing Reveals Shared Environments as Potential Hubs for MRSA Transmission in VA Community Living Centers — Location: 201
Presenting Author: Tasmine Clement, MS

• 3:45 PM – 4:00 PM — Opposing Genetic Signatures Drive Staphylococcus aureus Transmission versus Bloodstream Infection in the Neonatal Intensive Care Unit — Location: 201
Presenting Author: David Haslam, MD

• 4:00 PM – 4:15 PM — Genomic epidemiology demonstrates increased transmission risk and persistent colonization with mupirocin resistant Staphylococcus aureus — Location: 201
Presenting Author: Sarah E. Hochman, MD

• 3:15 PM – 4:30 PM — Innovations in Diagnostic Stewardship — Location: 152 AB
Moderators: Michael Calderwood, MD, MPH; Dan J. Morgan, MD, MS
– 4:05 PM – 4:30 PM — Next-Generation Stewardship (NGS): How to Steward Next Generation-Sequencing Tests — Speaker: Jonathan H. Ryder, MD

• 3:15 PM - 4:30 PM - Innovations in Diagnosing and Managing Fungal Infections - Location: 150 AB
- 4:05 PM – 4:30 PM — Sequencing-Based Diagnostic Testing for Molds — Location: 150 AB
Speaker: Shaun Yang, PhD, D(ABMM)

POSTERS — SATURDAY
• (P-365) Epidemiologic Trends in Fungal Orthopedic Infections Using Next-Generation Sequencing
Time: 12:15 PM – 1:30 PM — Location: Poster Hall B-C
• (P - 402) Treating the patient or the pathogen? Antimicrobial selection in the era of molecular subtyping for Mycoplasma pneumoniae infections.
• (P-420) ONETest Delivers Superior Target Enrichment and Improved Pathogen Detection Against Culture in BAL Samples
• (P-457) Distinct Respiratory Pathogen Profiles in Solid Organ Transplant Recipients and Improved Detection Beyond Culture with ONETest
• (P-571) Molecular Diagnostic Approaches in Blood Culture–Negative Infective Endocarditis: A Comparison of PCR, Sequencing, and Metagenomic Next-Generation Sequencing
• (P-578) The Virome-Gut-Brain Axis: Reactivated Viruses, Phage Shifts, and the New Frontier in Neurodegenerative Disease
• (P-587) Neurotropic Astrovirus VA Strain Detected by CSF Metagenomic Sequencing in Immunocompromised Hosts: A Case Series