THE CONSORTIUM FOR CLINICAL METAGENOMICS IN INFECTIOUS DISEASES

Sessions, posters, and events of interest occurring at ASM Microbe 2026, Washington DC

Thursday, June 4th

1) NCBI Workshop at ASM Microbe 2026 - Empowering Your Microbial Research with Expert Tools and Resources: Unlock the Power of NCBI Data
- Content type: Career Development
- Speaker/Presenter: Derek Caetano-Anolles and many others
- Date: Jun 4
- Time (ET): 9:00am–4:00pm
- Link: https://www.nlm.nih.gov/ncbi/conferences/ASM/ASM_schedule.html

2) Using the Sequence Read Archive Data and Tools for the Analysis of Pathogen and Metagenomic Samples
- Content type: Presentation
- Meeting/Track: Career Development
- Speaker/Presenter: J. Rodney Brister
- Date: Jun 4
- Time (ET): 11:25am–11:45am

3) Harnessing the Power of CSF mNGS
- Content type: Delve Bio Industry Session
- Speaker/Presenter: Kyle Rodino, Steve Miller
- Date: Jun 4, Room 150AB
- Time (ET): 12:00pm-12:45pm

CCMID Mixer at Dacha Beer Garden in Shaw (1600 7th St NW, Washington, DC 20001), 7:00pm

Friday, June 5th ----------

1) Health-202 – The 2025-26 Measles Outbreak: a Multi-State Genomic Analysis
- Content type: Session
- Meeting/Track: ASM Health Meeting
- Program ID: Health-202
- Date: Jun 5
- Time (ET): 8:00am–8:50am

2) AEM-202 – Microbial Traits Driving Host Resilience in a Changing Climate
- Content type: Session
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-202
- Date: Jun 5
- Time (ET): 10:45am–12:45pm

3) AEM Microbial Life on Land: High-Throughput Methods, Sequencing & Bioinformatics
- Content type: Session
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

4) AEM-FRI-622: Transcriptomics Reveals the Importance of the GacA Regulon for Predation Resistance in *Pseudomonas* Species Associated with a Bactivorous Soil Amoeba
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-622
- Speaker/Presenter: Fahadul Alam
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

5) AEM-FRI-730: Tracking Bacterial Community Composition in the Hudson River Using Nanopore Sequencing
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-730
- Speaker/Presenter: Ilana Cohen
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

6) HEALTH-FRI-219: Nanopore-Targeted Sequencing for Rapid Comprehensive Drug-Resistance Profiling of *Mycobacterium tuberculosis* from Sputum and Culture Isolates
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-219
- Speaker/Presenter: Popchai Ngamskulrungroj
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

7) HEALTH-FRI-261: Using Targeted Next Generation Sequencing for the Identification of Bacterial Pathogens in Formalin-Fixed Paraffin-Embedded Tissue
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-261
- Speaker/Presenter: Mackenzie Collins
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

8) HEALTH-FRI-292: Full-Length 16S Sequencing Improves Gut Dysbiosis Detection and Reveals *Prevotella* Protection in Taiwanese Adults
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-292
- Speaker/Presenter: Zi-Lun Lai
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

9) HEALTH-FRI-293: Comprehensive Burn Wound Microbiome Profiling via NGS: Detection, Resistance & Diversity Beyond Culture
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-293
- Speaker/Presenter: Riley Watson
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

10) MECH-FRI-409: Proteomics of the Hpk2 and Rrp2 Two Component System in *Treponema denticola* and Transcriptomics of Rrp2 Overexpression
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-FRI-409
- Speaker/Presenter: Colin Short
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

11) MECH-FRI-452: Transcriptomic Analyses of Mevalonate-Induced Symbiotic Signaling Pathway in the Model Legume *Medicago truncatula*
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-FRI-452
- Speaker/Presenter: Muthu Venkateshwaran
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

12) MECH-FRI-497: Measuring Transcriptional Changes in Human Lung Epithelial Cells Infected with *Acinetobacter baumannii* with Dual-RNA Sequencing
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-FRI-497
- Speaker/Presenter: Justin Barron
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

13) MECH-FRI-547: Methylation Survey of Haloarchaeal Chromosomes and Plasmids: Comparison of Long-Read Sequencing Platforms
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-FRI-547
- Speaker/Presenter: Sung W. Lim
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

14) MECH-FRI-566: The First Shotgun Metagenomic Study of *Salvia officinalis* Leaves Reveals the Diversity and Functional Traits of Endophytic Fungi
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-FRI-566
- Speaker/Presenter: Mouliraj Palanisamy
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

15) HEALTH-FRI-209: Pathogen Detection in Acute Undifferentiated Fever Using Metagenomic and Target-Enriched Next-Generation Sequencing in Thailand
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-209
- Speaker/Presenter: Watcharaphon Tangsawad
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

16) HEALTH-FRI-264: Metagenomic Sequencing Identifies *Fusobacterium necrophorum* in a Culture-Negative, Post-Influenza Central Nervous System Infection
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-264
- Speaker/Presenter: Steve Miller
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

17) HEALTH-FRI-301: From Sediments to Pathogens: Metagenomic Evidence of Environmental Amplification of Clinically Important Antibiotic Resistance Genes (ARGs)
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-301
- Speaker/Presenter: Sidra G. Rizvi
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

18) HEALTH-FRI-305: Seasonal Dynamics of Hospital Microbial Communities and Resistome Identified by Metagenomic Surveillance in Secondary Healthcare Hospitals in Delhi, India
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-305
- Speaker/Presenter: Mansi Podia
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

19) AEM-FRI-618: Development of a Single Insect Microbiome Sequencing Workflow to Study Microbial Contributors to Pesticide Resistance
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-618
- Speaker/Presenter: Makenzie Bolton
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

20) AEM-FRI-620: Novel Spin Column Solution for Optimized Purification of Nucleic Acids from Heavily Inhibited Samples for Highly Accurate Sequencing and PCR Analysis
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-620
- Speaker/Presenter: Luigi Basilio
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

21) AEM-FRI-627: Rhizospheric Soils of a Salt Flat in the Atacama Desert: Enhancing Bacterial Diversity Recovery via a Long-Read 16S rRNA Sequencing Workflow
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-627
- Speaker/Presenter: Mauricio Vargas
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

22) AEM-FRI-688: Strainify: Strain-Level Microbiome Profiling for Short-Read Metagenomic Datasets
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-688
- Speaker/Presenter: Rossie Luo
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

23) AEM-FRI-732: Metagenomic Profiling of Rural Groundwater in Egypt
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-732
- Speaker/Presenter: Aymen S. Yassin
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

24) AEM-FRI-737: Phage Helicase Identification in Metagenomic Data is Improved by Reference Dataset Refinement
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-737
- Speaker/Presenter: Greta M. Baker
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

25) AEM-FRI-733: Freshwater Microbial Communities and Bioindicators Revealed by 16S rRNA Sequencing
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-733
- Speaker/Presenter: Arianna E. Valte
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

26) AEM-FRI-759: A Sample-to-Results Workflow for Agnostic or Targeted Pathogen Sequencing from Wastewater
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-FRI-759
- Speaker/Presenter: Kaylinnette Pinet
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

27) HEALTH-FRI-164: Transcriptomic and Virulence Factor Responses of *Pseudomonas aeruginosa* to Clay-Based Antimicrobials
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-FRI-164
- Speaker/Presenter: Jialin Hu
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

28) AEM Water Microbiomes: Genomics, Metagenomics & Molecular Methods
- Content type: Posters
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

29) Health: Diagnostics and Laboratory Systems: Metagenomics and Advanced Molecular Diagnostics
- Content type: Posters
- Meeting/Track: ASM Health Meeting
- Date: Jun 5
- Time (ET): 10:00am–5:00pm

30) Tracing Gene Flow in Leaf and Soil Microbial Communities Through Metagenomics
- Content type: Presentation
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Speaker/Presenter: Veronica Roman-Reyna
- Date: Jun 5
- Time (ET): 11:15am–11:45am

31) Shared and Species-Specific Transcriptomic Responses of Rhodobacteraceae to Symbiodiniaceae Exposure
- Content type: Presentation
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Speaker/Presenter: Ennzo Ortega
- Date: Jun 5
- Time (ET): 11:45am–12:00pm

32) MechDisc-211 – It's a Big, Big Phage World: Ecology, Evolution and Genomics of Nature's Ultimate Nomads
- Content type: Session
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MechDisc-211
- Date: Jun 5
- Time (ET): 1:45pm–3:45pm

33) AEM-209 – From Rules to Resilience: Microbial Consortia for Ecosystem Stability
- Content type: Session
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-209
- Date: Jun 5
- Time (ET): 2:00pm–2:50pm

34) Metagenomic Insights on Electricity Production from Dissolved Organic Carbon in Chesapeake Bay
- Content type: Presentation
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Speaker/Presenter: Ian Schlegel
- Date: Jun 5
- Time (ET): 3:00pm–3:15pm

35) ONT booth talk: Bacterial and fungal isolate sequencing with NO-MISS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Namita Damle (Oxford Nanopore Technologies)
- Date: Friday, Jun 5, 2026
- Time (ET): 11:00 AM
- Location: Booth 2015

36) ONT booth talk: EPI2ME & BugSeq: Microbial Bioinformatics for WGS, Metagenomics and 16S/ITS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Rob Harbert (Oxford Nanopore Technologies) & Sharif/Sherif Nour (BugSeq)
- Date: Friday, Jun 5, 2026
- Time (ET): 1:00 PM
- Location: Booth 2015

37) ONT booth talk: How to sequence 16S and ITS microbial amplicons
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Candace Williams (Oxford Nanopore Technologies)
- Date: Friday, Jun 5, 2026
- Time (ET): 3:30 PM
- Location: Booth 2015

38) NIAID BRC Community Open Forum at ASM Microbe 2026
- Content type: Community open forum
- Meeting/Track: NIAID BRC / NIH outreach
- Date: Friday, Jun 5, 2026
- Time (ET): 6:15 PM
- Location: Courtyard by Marriott Washington Downtown/Convention Center

39) ONT Industry Event: Rapid genomics in action: Transforming microbial detection and surveillance with Oxford Nanopore Technologies sequencing
- Content type: Industry event
- Meeting/Track: Oxford Nanopore Technologies (ONT) industry event
- Date: Friday, Jun 5, 2026
- Time (ET): 6:30 PM–7:30 PM
- Location: Marriott Marquis DC, Marquis Ballroom Salon 7–10
    - Unlocking insights into microbial communities: Tools and methods - Christing He
    - Unlocking high-resolution, strain-resolved microbiome analyses with modern nanopore sequencing - Jim Shaw
    - Sequencing for infectious diseases: From evolutionary insights to clinical applications – Heba Mostafa

Saturday, June 6th ----------

1) Health-302 – Two Years In: Updates from the NIH Human Virome Program
- Content type: Session
- Meeting/Track: ASM Health Meeting
- Program ID: Health-302
- Date: Jun 6
- Time (ET): 8:00am–8:50am

2) Health-308 – Case Rounds in Metagenomics
- Content type: Session
- Meeting/Track: ASM Health Meeting
- Program ID: Health-308
- Date: Jun 6
- Time (ET): 10:15am–12:15pm

3) AEM Feeding the World: Microbiomes & Metagenomics
- Content type: Posters
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

4) HEALTH-SAT-124: Next Generation Sequencing of Highly Resistant NDM-Producing Enterobacterales Isolated Tested at AdventHealth Orlando
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-124
- Speaker/Presenter: Taylor Hein
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

5) HEALTH-SAT-165: Real-World Utilization of a Plasma Cell-Free Microbial DNA Next-Generation Sequencing Test in a Large Healthcare System
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-165
- Speaker/Presenter: Jacqueline Sauer
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

6) HEALTH-SAT-169: Plasma Microbial Cell-Free DNA (mcfDNA) Sequencing is Increasingly Used for Complex Infections, Yet Optimal Use Remains Undefined
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-169
- Speaker/Presenter: Nouf K. Almaghlouth
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

7) HEALTH-SAT-171: Metagenomic Next-Generation Sequencing Identifies *Pasteurella multocida* in Cerebrospinal Fluid Following Traumatic Brain Injury and Pneumonia in a Veterinarian
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-171
- Speaker/Presenter: Donna M. Wolk
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

8) HEALTH-SAT-239: Diagnostic Yield of Repeat Broad-Range Bacterial PCR and Sequencing for Infective Endocarditis: Implications for Clinical Decision-Making
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-239
- Speaker/Presenter: Kaitlin M. Bruzzini
- Date: Jun 6

- Time (ET): 10:00am–5:00pm

9) HEALTH-SAT-241: Uncovering Hidden Pathogens in Culture Negative Cases: An Integrated CSF Presepsin and 16S Metagenomics Approach for Rapid Diagnosis of Post-Neurosurgical Meningitis/Ventriculitis
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-241
- Speaker/Presenter: Veena Kumari HB
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

10) HEALTH-SAT-243: Analytical and Clinical Validation of a Novel in-Matrix Microbial Cell-Free DNA Sequencing Assay for Infectious Disease Diagnostics
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-243
- Speaker/Presenter: Jing Li
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

11) HEALTH-SAT-247: The Impact of Long-Read and Short-Read Sequencing on Diagnosis and Antimicrobial Stewardship in Culture-Negative Infections
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-247
- Speaker/Presenter: Jakub Kantor
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

12) HEALTH-SAT-248: Sample Collection and Preservation Drive Data Quality in Fecal Metagenomic-Metabolomic Studies
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-248
- Speaker/Presenter: Joshua B. Simpson
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

13) HEALTH-SAT-249: Deeplex® MYC-TB NGS Assay for the Identification of Mycobacteria from Respiratory Specimens and Culture Isolates
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-249
- Speaker/Presenter: Seanne P. Buckwalter
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

14) HEALTH-SAT-252: Automating Targeted Next-Generation Sequencing-Based Pathogen Identification and Genotyping Assays
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-252
- Speaker/Presenter: Kate Uhteg
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

15) HEALTH-SAT-253: Utility of Visualized Inflammation or Organism (VIO) Score for Guidance in Specimen Selection for Direct Specimen Broad Range Sequencing
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-253
- Speaker/Presenter: Paul E. Bernard
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

16) HEALTH-SAT-255: Replacing Pulsed Field Gel Electrophoresis in the Clinical Microbiology Laboratory: Whole Genomic Sequencing Using the Illumina and Nanopore Platforms versus Fourier IR Mass Spectroscopy – SeqIR
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-255
- Speaker/Presenter: Karan D. Desai
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

17) HEALTH-SAT-256: Clinical Utility of Nanopore Amplicon Sequencing in Various Culture-Negative Infectious Diseases: A Case Series Report
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-256
- Speaker/Presenter: Chan Mi Lee
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

18) HEALTH-SAT-274: Balancing Cost, DNA Input, and Performance in Long-Read Sequencing Workflows for Microbial and Metagenomic Applications
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-274
- Speaker/Presenter: Jeremy E. Wilkinson
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

19) HEALTH-SAT-284: Culture-Based and 16S rRNA Sequencing–Based Bacteriospermia in Relation to Fertility Potential: The First Report from Nepal
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-284
- Speaker/Presenter: Anima Shrestha
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

20) HEALTH-SAT-293: Paired Metagenomic and Metatranscriptomic Profiling Identifies Fungal-Bacterial Biomarkers in *Clostridioides difficile* Infection
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-293
- Speaker/Presenter: Regina Lamendella
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

21) HEALTH-SAT-296: Agnostic High-Throughput Sequencing to Perform Bioinformatic Surveillance for the Presence of Human Pathogens Associated with Acute Febrile Illness (AFI) in Sand Flies Collected in the Country of Georgia
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-296
- Speaker/Presenter: Adrian C. Paskey
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

22) HEALTH-SAT-300: Evaluation of the Randomness and Reproducibility of Sampling Nucleic Acids in Longitudinal Wastewater Samples During Preparation of Sequencing Libraries
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-300
- Speaker/Presenter: Adrian C. Paskey
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

23) HEALTH-SAT-341: Integrating Deeplex Myc-tb Targeted Ngs for Drug-Resistant Tuberculosis Detection into the Philippines' Tb-Dots Program: A Systematic Review and Meta-Analysis
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-341
- Speaker/Presenter: Angeli Joana Robillos
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

24) HEALTH-SAT-353: Validation of a New *Candida auris* Strain Typing Protocol Using Next-Generation Sequencing
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-353
- Speaker/Presenter: Caroline Simmons-Williams
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

25) HEALTH-SAT-383: Metagenomic Sequencing Identifies *Mycobacterium abscessus* in a Diagnostically Challenging Ventriculoperitoneal Shunt Infection
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SAT-383
- Speaker/Presenter: Adam Bernstein
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

26) AEM-SAT-641: Microbiome Profiling and Comparative Metagenomics of Three Experimental Controlled Environment Agriculture Production Systems
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SAT-641
- Speaker/Presenter: Taylor Richter
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

27) AEM-SAT-642: Integrating Relative and Absolute Abundance Metagenomics to Reveal Bacterial-Fungal Interactions in Korean Fermented Soybean, Meju
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SAT-642
- Speaker/Presenter: Eunhye Jo
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

28) AEM-SAT-643: Use of Zymobiomics Spike-In Controls in 16S and Shotgun Sequencing for Accurate Tracking of Changes in the Microbial Abundances in Piglet Fecal Samples
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SAT-643
- Speaker/Presenter: Olga Postnikova
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

29) AEM-SAT-648: Global Transcriptomic Profiling of Parasite Resistant and Susceptible Sheep During a *Haemonchus contortus* Priming Infection
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SAT-648
- Speaker/Presenter: Hannah Teddleton
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

30) AEM-SAT-736: Identification of Resistome Genes in Arctic Permafrost Using Multiple Sequencing Technologies
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SAT-736
- Speaker/Presenter: Caleb Tilton
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

31) Health: Jacqueline Sauer
- Content type: Posters
- Meeting/Track: ASM Health Meeting
- Date: Jun 6
- Time (ET): 10:00am–5:00pm

32) Using HiC Metagenomics to Characterize the Diversity of the Rhizobial Mobilome between Clover Rhizosphere and Nodules
- Content type: Presentation
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Speaker/Presenter: Sierra L. Bedwell
- Date: Jun 6
- Time (ET): 11:45am–12:00pm

33) MechDisc-306 – MERFISH for Multiplexed Spatial Analysis of Bacterial Transcription
- Content type: Session
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MechDisc-306
- Date: Jun 6
- Time (ET): 11:45am–12:30pm

34) Case Rounds in Metagenomics (CCMID Session)
- Content type: Session
- Meeting/Track: ASM Health Meeting
- Speaker/Presenters: Jennifer Dien Bard, Jose Alexander, David Gaston
- Date: Jun 6
- Time (ET): 10:15am–10:45am

35) AEM-306 – Unifying Prokaryotic Taxonomy: Challenges and Solutions for Cultured and Uncultured Microbes
- Content type: Session
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-306
- Date: Jun 6
- Time (ET): 2:00pm–2:50pm

36) Agnostic High-Throughput Sequencing to Perform Bioinformatic Surveillance for the Presence of Human Pathogens Associated with Acute Febrile Illness (AFI) in Sand Flies Collected in the Country of Georgia
- Content type: Presentation
- Meeting/Track: ASM Health Meeting
- Speaker/Presenter: Adrian C. Paskey
- Date: Jun 6
- Time (ET): 2:00pm–2:50pm

37) Spatially-Resolved Bacterial Single-Cell RNA Sequencing Links Microbe-Microbe Interactions and Transcriptional Heterogeneity
- Content type: Presentation
- Meeting/Track: ASM Mechanism Discovery Meeting
- Speaker/Presenter: Alyssa R. Hamm
- Date: Jun 6
- Time (ET): 3:15pm–3:30pm

38) ONT booth talk: How to sequence 16S and ITS microbial amplicons
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Candace Williams (Oxford Nanopore Technologies)
- Date: Saturday, Jun 6, 2026
- Time (ET): 11:00 AM
- Location: Booth 2015

39) ONT booth talk: Bacterial and fungal isolate sequencing with NO-MISS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Namita Damle (Oxford Nanopore Technologies)
- Date: Saturday, Jun 6, 2026
- Time (ET): 1:00 PM
- Location: Booth 2015

40) ONT booth talk: EPI2ME & BugSeq: Microbial Bioinformatics for WGS, Metagenomics and 16S/ITS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Rob Harbert (Oxford Nanopore Technologies) & Sharif/Sherif Nour (BugSeq)
- Date: Saturday, Jun 6, 2026
- Time (ET): 3:30 PM
- Location: Booth 2015

Sunday, June 7th

1) Health-403 – Viral Evolution Within-host or Environmental: Two Sides of the Same Coin?
- Content type: Session
- Meeting/Track: ASM Health Meeting
- Program ID: Health-403
- Date: Jun 7
- Time (ET): 8:00am–10:00am

2) AEM-SUN-663: Metagenomic Insights Into Seasonal Dynamics of Antimicrobial Resistance Genes in Bloom-Impacted Lakes
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-663
- Speaker/Presenter: Naomy Aviles
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

3) AEM-SUN-674: Microbial Diversity of Tinley Manor Beach South Africa as Revealed by Metagenomics: A Potential Source for Antimicobial Bioprospecting
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-674
- Speaker/Presenter: Evelyn Madoroba
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

4) AEM-SUN-682: Field-Based DNA Isolation for Metagenomic Analyses of Arctic Permafrost Microbes
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-682
- Speaker/Presenter: Elizabeth Goodell
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

5) AEM-SUN-687: Prokaryotic Communities in Hypersaline Habitats: Metagenomic Analyses of their Diversity and Functional Activities
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-687
- Speaker/Presenter: Antonio Ventosa
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

6) AEM-SUN-698: Transcriptomic Insights Into the Polyurethane Degradation Mechanisms of *Stutzerimonas frequens* GOM2
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-698
- Speaker/Presenter: Marla Y. Arpaiz Lopez
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

7) AEM-SUN-702: Integrating Cultivation, Metagenomics, and Metatranscriptomics to Characterize Sulfur-Oxidizing Biofilms in a Temperate Sulfur Spring
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-702
- Speaker/Presenter: Kevin Drace
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

8) AEM-SUN-723: Use of Metagenomic Reference Materials to Benchmark and Optimize Lysis and Extraction Methods against a Known Input
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-723
- Speaker/Presenter: Elaine Wolfe
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

9) AEM-SUN-728: Granularity, Not Size, Matters for Reference Databases in Metagenomics
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-728
- Speaker/Presenter: Henry Secaira Morocho
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

10) AEM-SUN-730: TITAN-RNA: A Hybrid-Capture Sequencing Panel Detects Known and Unknown Flaviviridae for Diagnostics and Vector Surveillance
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-730
- Speaker/Presenter: Chloe M. Murrell
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

11) AEM-SUN-731: Quantitative Sequencing Coupled with Dilution Experiments Reveals Taxa Specific Growth and Mortality Rates in Aquatic Microbial Communities
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-731
- Speaker/Presenter: William F. Schroer
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

12) AEM-SUN-736: A Data-Driven Framework for Determining Viral Lifestyles from Metagenomic Time Series Data
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-736
- Speaker/Presenter: Dinesh Kumar Kuppa Baskaran
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

13) AEM-SUN-749: Comprehensive Cross-Domain Taxonomic Classification of Microbiotas Using Partitioned Amplification Multiplexed Amplicon Sequencing (PAMA-seq)
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-749
- Speaker/Presenter: Jingjing Cheng
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

14) HEALTH-SUN-184: Enhanced Bioinformatics on Next-Generation Sequencing (NGS) Data from Genomic Surveillance: An Examination of Erroneously Classified BeAn 58058 Viral Sequences in Clinical Samples
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-184
- Speaker/Presenter: Tsai-Tien Tseng
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

15) HEALTH-SUN-188: Rapid and Routine 24-Hour Antimicrobial Resistance Report for *Mycobacterium abscessus* Group by Whole-Genome Sequencing: A Tool for Appropriate Antimicrobial Therapy
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-188
- Speaker/Presenter: Daniel Navas
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

16) HEALTH-SUN-189: Targeted Sequencing Directly from Clinical Samples for Rapid 24-Hour Diagnosis of Fungal Infections: Modernizing the Clinical Mycology Laboratory
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-189
- Speaker/Presenter: Daniel Navas
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

17) HEALTH-SUN-258: Beyond GeneXpert: Metagenomic Sequencing Reveals Hidden Gaps in Tuberculosis Diagnosis
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-258
- Speaker/Presenter: Geraldine Dayrit
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

18) HEALTH-SUN-282: Metagenomic Characterization of NIST Reference Material 8048 (Human Fecal Microbiome)
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-282
- Speaker/Presenter: Ian Hines
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

19) HEALTH-SUN-289: Longitudinal Metagenomic Surveillance of Tick-Borne Pathogens and Microbiomes in Central Pennsylvania
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-289
- Speaker/Presenter: Regina Lamendella
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

20) HEALTH-SUN-292: Metagenomic Characterization of Medically Important Bacteria, Including *Rickettsia prowazekii*, within the East African Tick Microbiome: A Case Study of *Rhipicephalus appendiculatus* and *Hyalomma rufipes*
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-292
- Speaker/Presenter: Victor Anyango
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

21) HEALTH-SUN-312: Whole-Genome Sequencing of over Three Thousand Animal Clinical *Salmonella* Demonstrates Relatedness to Human *Salmonella* Cases
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-312
- Speaker/Presenter: Gregory Tyson
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

22) HEALTH-SUN-341: Evaluating the Feasibility of Untargeted Ultra-Deep Metagenomics in Wastewater Surveillance
- Content type: Poster
- Meeting/Track: ASM Health Meeting
- Program ID: HEALTH-SUN-341
- Speaker/Presenter: Clayton Rushford
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

23) MECH-SUN-472: Strain-Level Phenotypic and Transcriptomic Differences in Clinically Isolated *Proteus mirabilis*
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-SUN-472
- Speaker/Presenter: Megan Cline
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

24) MECH-SUN-580: Alleviation of Dysmenorrhea by *Lactiplantibacillus plantarum*: Integrated Shotgun Metagenomic and Physiological Analyses in a Mouse Model
- Content type: Poster
- Meeting/Track: ASM Mechanism Discovery Meeting
- Program ID: MECH-SUN-580
- Speaker/Presenter: Yejin Choi
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

25) AEM-SUN-602: Integration of Culturomics and Whole-Genome Sequencing to Assess the Carbohydrate-Active Enzymes Repertoire of the Microbiome-Inhabiting Pelagic Sargassum Waste
- Content type: Poster
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Program ID: AEM-SUN-602
- Speaker/Presenter: Bidyut R. Mohapatra
- Date: Jun 7
- Time (ET): 10:00am–4:00pm

26) ONT booth talk: EPI2ME & BugSeq: Microbial Bioinformatics for WGS, Metagenomics and 16S/ITS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Rob Harbert (Oxford Nanopore Technologies) & Sharif/Sherif Nour (BugSeq)
- Date: Sunday, Jun 7, 2026
- Time (ET): 11:00 AM
- Location: Booth 2015

27) Application of a Large Language Model to Metagenomic Data Analysis
- Content type: Presentation
- Meeting/Track: ASM Applied and Environmental Microbiology Meeting
- Speaker/Presenter: Cecile Cres
- Date: Jun 7
- Time (ET): 12:00pm–12:15pm

28) ONT booth talk: How to sequence 16S and ITS microbial amplicons
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Candace Williams (Oxford Nanopore Technologies)
- Date: Sunday, Jun 7, 2026
- Time (ET): 1:00 PM
- Location: Booth 2015

29) Metagenomic editing of commensal and pathogenic bacteria in vivo using CRISPR-associated transposases
- Content type: Presentation
- Meeting/Track: ASM Mechanism Discovery Meeting
- Speaker/Presenter: Harris Wang
- Date: Jun 7
- Time (ET): 2:15pm–2:45pm

30) Whole-Genome Sequencing of over Three Thousand Animal Clinical *Salmonella* Demonstrates Relatedness to Human *Salmonella* Cases
- Content type: Presentation
- Meeting/Track: ASM Health Meeting
- Speaker/Presenter: Gregory Tyson
- Date: Jun 7
- Time (ET): 11:15am–12:05pm

31) Whole genome sequencing confirmed the de novo development of macrolide resistance in a child with *Mycoplasma pneumoniae* infection receiving azithromycin treatment
- Content type: Presentation
- Meeting/Track: ASM Health Meeting
- Speaker/Presenter: Huanyu Wang
- Date: Jun 7
- Time (ET): 3:20pm–3:40pm

32) ONT booth talk: Bacterial and fungal isolate sequencing with NO-MISS
- Content type: Booth talk (presentation)
- Meeting/Track: ONT booth talks
- Speaker/Presenter: Namita Damle (Oxford Nanopore Technologies)
- Date: Sunday, Jun 7, 2026
- Time (ET): 3:30 PM
- Location: Booth 2015

Booths

1223 — Psomagen
1232 — Human Virome Program Coordination Center
1318 — Celemics, Inc
1320 — seqSight
1321 — NimaGen
1322 — Complete Genomics
1324 — SeqCenter
1325 — PacBio
1416 — TECAN
1418 — Daicel Arbor Biosciences
1421 — Biomarker Technologies (BMKGENE) USA Inc.
1425 — Zymo Research Corp.
1520 — University of Maryland, Institute for Genome Sciences
1527 — V&P Scientific, Inc.
1610 — Norgen Biotek Corp.
1622 — Admera Health, LLC
1626 — Miltenyi Biotec
1701 — Bruker Scientific, LLC
1820 — TOYOBO U.S.A., INC.
1824 — Novogene Corporation Inc.
1825 — Revvity
1926 — SeqCoast Genomics
2015 — Oxford Nanopore Technologies Inc
2035 — Solu
2101 — QIAGEN, Inc.
2119 — Clear Labs
2120 — Bio Molecular Systems
2206 — BugSeq Bioinformatics
2217 — Delve Bio
2323 — Plasmidsaurus
2326 — bitBiome, Inc.