

APHL 2024 Annual Conference - Poster Index

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223	Empower the Quantitation of Amino Acids and Acylcarnitine for Inborn Error of Metabolism using Flow Injection – Orbitrap Mass	Jingshu	Guo	ThermoFisher Scientific
224	Quantitation of an Oral Fluid Drug Panel Including THC Using with High Resolution Accurate-Mass (HRAM) Mass Spectrometry	Jingshu	Guo	ThermoFisher Scientific
225	Enhanced Detection of Hemoglobin Variants by High-Resolution Accurate-Mass (HRAM) Mass Spectrometry for Clinical Research	Yvonne	Song	ThermoFisher Scientific
226	Comprehensive viral pathogens detection in wastewater using hybrid capture enrichment and whole genome sequencing	Linnet	Immaraj	University of Alberta
227	DrPH in Public Health and Clinical Laboratory Science and Practice: an Educational Pathway to Address Laboratory	Jill	Roberts	University of South Florida
228	Wellness in the Workplace: The incorporation of training with personal resiliency and its effect on retention	Michelle	Crum	University of Texas at Tyler Health Science Center
229	Wastewater-Based Surveillance of Carbapenemase Resistant	Melissa	Schussman	University of Wisconsin-
230	Strengthening Communication and Coordination for Effective Water Contamination Incident Support	Peter	Roumeliotis	US EPA

231	Wastewater-Based Disease Forecasting for Respiratory Viruses: Advances and a Glimpse into the Future	Amna	Elbadawi	UT Health Science Center at Tyler- PHLET
232	A Case Study of the Pros and Cons of Transitioning Computational Environments From On-Premises to the Cloud	John	Arnn	Utah PHL
233	Tick Talk: Establishment of surveillance capacity for ticks and tick-borne diseases in Utah	Kaona	Ayres	Utah PHL
234	Expanding Horizons in Public Health: Metagenomic Surveillance of Viral Diversity in Wastewater Using a Hybrid-capture Approach	Pooja	Gupta	Utah PHL
235	Genomic Surveillance of Candida auris Clades and FKS1 Mutations in the Antimicrobial Resistance Laboratory Network's Mountain Region: A Comprehensive Analysis	Thomas	Iverson	Utah PHL
236	Bayes inference for disease transmission. Case: Covid-19 transmission model with simulated data.	Olinto	Linares-Perdomo	Utah PHL
237	Implementation of a software for automatic reading of agar dilution plates at a Neisseria gonorrhoeae antimicrobial	Bailee	Troutman	Utah PHL
238	Detecting Antimicrobial Resistance Genes in Raw Nanopore	Erin	Young	Utah PHL
239	SPLiNTER: A NextFlow Pipeline for genome assembly and determination of relative variant abundances in SARS-CoV-2	Shelby	Bennett	Virginia Division of Consolidated of Laboratory Services
240	Public Health Collaboration in the Detection, Characterization, and Surveillance of a Neisseria meningitidis Serogroup Y	Emily	Craig	Virginia Division of Consolidated of Laboratory Services
241	Insidious – How the Presence of Bias Negatively Impacts Each of the Core Functions of Public Health	Marilyn	Freeman	Virginia Division of Consolidated of Laboratory Services
242	An Innovative Partnership Promote Careers in Life Science	Marilyn	Freeman	Virginia Division of Consolidated of Laboratory Services
243	Antimicrobial Resistance Genomic Surveillance: Finding the Needle in the Haystack	Katelin	Gali	Virginia Division of Consolidated of Laboratory Services
244	Recruiting a Successful Laboratory Workforce through a Collaborative Internship Program	Katherine	Wentz	Virginia Division of Consolidated of Laboratory Services
245	Evaluating the efficacy of Harmful Algal Bloom Beach Re-opening protocols in two Putnam County Lakes.	Madelyn	Caldwell	Wadsworth Center, New York State Dept. of Health
246	Mycobacterial Conjugation Reveals a Role for Calcium in Cell Contact Signaling	Tayler	Farrington	Wadsworth Center, New York State Dept. of Health
247	Development and Evaluation of a Multiplex Microsphere Immunoassay for the Detection of Antibodies Consistent with	Kelly	Howard	Wadsworth Center, New York State Dept. of Health
248	Understanding the Relationship of P. aeruginosa and M. abscessus in Cystic Fibrosis Infections	Amanda	Kurtz	Wadsworth Center, New York State Dept. of Health

249	MALDI-TOF-MS Library Enrichment of Medically Important Rare Yeasts in a Clinical Laboratory	Anuradha	Marathe	wadsworth Center, New York State Dept. of Health
250	Development and Validation of a Multiplex Real-Time PCR Assay for rapid Detection of Blastomyces dermatitidis, Blastomyces gilchristii and Histoplasma capsulatum	Brittany	O'Brien	wadsworth Center, New York State Dept. of Health
251	Carbapenemase-Producing Organism Whole-Genome Sequencing in the Antimicrobial Resistance Laboratory Network Northeast Region: Laboratory Information Management System Integration	Catharine	Prussing	Wadsworth Center, New York State Dept. of Health
252	Traversing the Unknown Within Mycobacterial Horizontal Gene Transfer by Assessing Recipient Mating Identity Protein Function	Easton	Reagan	wadsworth Center, New York State Dept. of Health
253	Pseudomonas aeruginosa RhlI Variants Exposure to Antibiotics	Megan	Schumacher	Wadsworth Center, New York State Dept. of Health
254	Optimization of Automated RT-PCR Assay for West Nile Virus and Eastern Equine Encephalitis Virus Detection using the Panther	Kajal	Patel	Washington DC PHL
255	Validation of a Molecular Workflow to Identify the Diphtheria Exotoxin Gene in Corynebacterium Species	Andy	Chia	Washington State Dept. of Health
256	Dual dPCR Platform Validation of Multiplex Assays for Wastewater-based Epidemiology for SARS-CoV-2, Influenza A/B, RSV, Mpox, and Internal Process Control	Madeline	Gilbert	Washington State PHL
257	Empowering Microbiology Operations with Power BI and LIMS Integration: A Case Study From WA PHL	Mohamed	Gomaa	Washington State PHL
258	Dedicated Courier System for Public Health Laboratories, Optimizing Testing Efficiency and Outcomes	Mohamed	Gomaa	Washington State PHL
259	From Scattered Sheets to Actionable Insights: Establishing a Robust NGS QA Database	Mohamed	Gomaa	Washington State PHL
260	Tracking the 2022-23 influenza and RSV seasons in Wisconsin: comparison of wastewater surveillance against clinical laboratory and emergency department data.	Ian	Pray	Wisconsin Department of Health Services
261	Continuation of Pilot Project Using Lead Isotopes to Determine Sources of Child Lead Poisoning.	Christa	Dahman	Wisconsin State Laboratory of Hygiene
262	Development of digital PCR assays for quantifying carbapenem resistant genes from wastewater for public health surveillance	Evelyn	Doolittle	Wisconsin State Laboratory of Hygiene
263	Wastewater-Based Surveillance beyond COVID-19: A Comparison of Norovirus Levels in Wastewater Influent from across Wisconsin with Clinical PCR Positivity Rate	Devin	Everett	Wisconsin State Laboratory of Hygiene

264	Moving beyond COVID-19: Two-year wastewater monitoring for influenza and respiratory syncytial virus, a comparison to clinical	Rebecca	Fahney	Wisconsin State Laboratory of Hygiene
265	Digital PCR assay development and comparison for the quantification of C. auris from wastewater	Griffin	Knuth	Wisconsin State Laboratory of Hygiene
266	Wastewater Surveillance for SARS-CoV-2 Prevalence in Wisconsin	Oliver	Long	Wisconsin State Laboratory of
267	Evaluating the use of hybridization capture metagenomic sequencing for public health laboratory surveillance.	Mitchell	Ramuta	Wisconsin State Laboratory of Hygiene
268	Developing High-Throughput RT-PCR Testing for Candida auris on the Hologic Panther Fusion Open Access System.	Brandon	Schumitsch-Jewell	Wisconsin State Laboratory of Hygiene
269	Implementation of NG-Test CARBA5 and CHROMagar-mSuperCARBA to Streamline Isolate Testing and Colonization Screening of Carbapenemase-Producing Organisms at Wisconsin	Saba	Shama	Wisconsin State Laboratory of Hygiene
270	Sequencing West Nile Virus in Wyoming using Illumina Microbial Amplicon Prep kit	Robert	Petit	Wyoming PHL
271	Expanding Bactopia as a frame-work for bacterial, viral, and	Robert	Petit	Wyoming PHL
272	Analysis of Lead (208) in Retail Juice Samples.	John	Chisholm	Young Harris College
273	An Integrated Approach for Pathogen Detection, AMR Monitoring, and Functional Analysis in Wastewater	Xiaoxiao	Cheng	Zymo Research Corporation