

APHLTM 2024

where laboratory science and public health meet

May 6–9, 2024
Milwaukee, WI
Baird Center

Conference Highlights

The APHL Annual Conference, an in-person event for the public health laboratory community, brings together more than 1,000 leaders, scientists, influencers and partners to share issues, trends and best practices driving laboratory science and public health today.

Session topics explore public health laboratory issues, trends and technologies relative to emerging infectious diseases, environmental health, emergency preparedness, quality systems and safety, informatics, food safety, newborn screening, global health, workforce and more.

Attendees in Milwaukee will enjoy live sessions and roundtables, networking opportunities, receptions, events such as the Dr. Katherine Kelley Distinguished Lecture and the Annual Awards Ceremony, and 100+ scientific posters and 70+ exhibitors.

Sessions and events will take place in Milwaukee; select sessions will be recorded and available for on-demand access after the conference.



Attendee Benefits

- 46 sessions
- 70+ exhibitors
- 100+ scientific posters
- Networking opportunities
- Receptions and events
- P.A.C.E.[®] and CPH CEUs
- Registration bag and other special giveaways
- Seeing friends and colleagues
- All the fun of Milwaukee!

Not-to-Miss Keynote!

Katherine Kelley Distinguished Lecture:

The Deadly Rise of
Anti-Science

Peter Hotez, MD, PhD



www.aphl.org/AC

NEW! Regulatory Science Track Added to APHL 2024

RS

The Regulatory Science Track is new at APHL 2024, bringing specific content relevant to scientists and their partners who improve public health and safety by generating defensible data that informs regulatory decision making.

The sessions to the right are designated with the RS symbol in the following agenda (page 4).



Plenary Session

- How Public Health Actions are Fueled by Regulatory Science

Concurrent Sessions

- Preventing the Next Infant Formula Crisis: Public Health Actions to Control *Cronobacter*
- Charting the Future: Leveraging National Competency Standards in a Cutting-edge Regulatory and Laboratory Training System
- Conundrums for Laboratorians: Regulatory and Ethical Considerations for Secondary Uses of Identifiable Biospecimens
- Food Fraud: What You Don't Know Can Kill You!
- Unusual/Interesting Investigations
- Save Money, Save Time, Be More Efficient: Process Improvement for Enteric Pathogens

Roundtable Discussion

- Collaboration with Partners During Food Safety Investigations — A One Health Perspective

Katherine Kelley Distinguished Lecture: The Deadly Rise of Anti-Science

Tuesday, May 7, 10:30 am – 11:30 am

Dr. Hotez is an internationally recognized physician-scientist in neglected tropical diseases and vaccine development. As co-director of the Texas Children's Center for Vaccine Development, he leads a team and product development partnership for developing new vaccines for hookworm infection, schistosomiasis, leishmaniasis, Chagas disease and SARS/MERS/SARS-2 coronavirus — diseases affecting hundreds of millions of children and adults worldwide, while championing access to vaccines globally and in the United States.

Dr. Hotez has authored more than 680 original papers indexed on PubMed and is the author of five single-author books, including *Forgotten People, Forgotten Diseases* (ASM Press); *Blue Marble Health: An Innovative Plan to Fight Diseases of the Poor amid Wealth* (Johns Hopkins University Press); *Vaccines Did Not Cause Rachel's Autism* (Johns Hopkins University Press); and *Preventing the Next Pandemic: Vaccine Diplomacy in a Time of Anti-science* (Johns Hopkins University Press).

featuring

**Peter Hotez, MD, PhD,
DSc (hon), FASTMH, FAAP**

Co-Director, Texas Children's Hospital Center for Vaccine Development and Dean, National School of Tropical Medicine, Baylor College of Medicine



Registration

Advanced registration through APHL is required. Visit www.aphl.org/AC. For questions contact Terry Reamer at 240.485.2776 or terry.reamer@aphl.org.

APHL Member:	\$650
Non-member:	\$795
Student:	\$200
Fellow:	\$450

A student is someone who pays for their registration themselves without reimbursement. A fellow receives a stipend to pay for their registration.



Tours of the Wisconsin State Laboratories

Join colleagues for one of the following optional tours:

- Wisconsin State Public Health Laboratory — Clinical OR
- Wisconsin State Public Health Laboratory — Wastewater/Environmental Health and Madison Nine Springs Wastewater Treatment Facility

The buses will leave the Hilton hotel at 12:30 pm and return by 5:00 pm. *You must sign up for these tours at the same time as you register for the conference.* Participation is limited.

Public Health Laboratory Fellows in Attendance

We are excited to welcome over a hundred Public Health Laboratory Fellows to APHL 2024. These early career scientists, currently placed within public health laboratories across the country, will participate in person in Milwaukee. These first-time attendees will attend sessions dedicated to the Public Health Laboratory Fellowship Program and will also join other attendees and exhibitors in participating in Annual Conference activities.

Continuing Education Credits

APHL is an approved provider of continuing education programs in the clinical laboratory sciences through the American Society of Clinical Laboratory Science (ASCLS) P.A.C.E.[®] program. Attendees have the opportunity to earn up to 14 contact hours by attending in person, and/or viewing online, all available sessions, both live and recorded.

APHL is an approved provider of Certified in Public Health (CPH) Recertification Credits through the National Board of Public Health Examiners (NBPHE). Attendees have the opportunity to earn up to 14 contact hours by attending in person, or and/or viewing online, all available sessions, both live and recorded.

Meeting Location and Hotels

Baird Center

400 W. Wisconsin Avenue • Milwaukee, WI 53203

Hilton Milwaukee City Center Hotel (headquarters)

509 W. Wisconsin Avenue • Milwaukee, WI 53203
414.271.7250

Drury Plaza Hotel Milwaukee Downtown (overflow)

700 N. Water Street • Milwaukee, WI 53202
414.224.7864

APHL 2024 will be held at the Baird Center (Milwaukee's convention center) in downtown Milwaukee. The Hilton is across the street and attached to the Baird Center. The Drury is a 5–10 minute walk away. Both are within easy walking distance of restaurants, shops and the Lake Michigan waterfront.

Hilton Hotel: the conference sleeping room rate is \$143 (plus tax) per night for a single/double room. **There are a limited number of rooms at the federal per diem rate of \$128.** Reservations are available on a first-come, first-served basis. **This rate is valid until April 12, 2024** or until the block is filled.

Drury Plaza Hotel: APHL has negotiated a discounted room rate of \$149.00 plus tax per night (single/double) here. Reservations are available on a first-come, first-served basis and are **valid until April 2, 2024** or until the block is filled. This small block may fill up quickly so be sure to make your reservation early.

Further hotel and reservation details are available at www.aphl.org/AC

www.aphl.org/AC

Agenda

All times are Central (CDT)

Sunday, May 5

- 3:00 pm – 7:00 pm Registration
- 8:00 am – 5:00 pm **Preconference Workshop (TBD)**
(separate registration required)

Monday, May 6

- 7:00 am – 6:00 pm Registration
- 8:00 am – 11:30 am **Preconference Workshops (TBD)**
(separate registration required)
- 11:30 am – 1:30 pm Lunch Break (on your own)
- 11:30 am – 1:00 pm Laboratory Directors Lunch (invite only)
- 1:30 pm – 2:00 pm **Welcome to Milwaukee**
- 2:00 pm – 3:00 pm **Opening Plenary Session: AI-powered Public Health: How Labs Can Prepare for the Road Ahead**
- 3:00 pm – 3:30 pm **Rapid Poster Presentations**
- 3:00 pm – 6:30 pm Exhibit Hall Open (posters available for viewing)
- 3:30 pm – 4:00 pm Break in the Exhibit Hall
- 4:00 pm – 5:00 pm **Concurrent Sessions**
- Hunting for a Needle in a Stack of Needles — Non-targeted Analysis Across Public Health Laboratories
 - Get the Lead Out! Public Health, Laboratory and Medical Initiatives to Identify and Reduce Pediatric Lead Exposure
 - When It Absolutely, Positively Has to Meet Specifications: The NC Model for Pre-Analytical Systems Compliance
 - Next Generation Sequencing Solutions for Healthcare-associated Infections and Antimicrobial Resistance
 - Preventing the Next Infant Formula Crisis: Public Health Actions to Control *Cronobacter* **RS**
- 5:00 pm – 6:30 pm **Welcome Reception** in the Exhibit Hall
Sponsored by Roche Diagnostics

Tuesday, May 7

- 6:30 am – 6:00 pm Registration
- 7:00 am – 7:30 am **Innovate! Sessions (TBD)**
- 8:00 am – 8:30 am **Innovate! Sessions (TBD)**
- 8:30 am – 9:00 am Break
- 9:00 am – 10:00 am **Plenary Session: How Public Health Actions Are Fueled by Regulatory Science** **RS**
- 10:00 am – 6:30 pm Exhibit Hall Open (posters available for viewing)
- 10:00 am – 10:30 am Break in the Exhibit Hall

Please keep in mind that this schedule is a work in progress and is subject to change. It is offered for planning purposes only. The Preliminary Program, due out in February 2024, will have more details.

Schedule Summary

All times are US Central (CDT).

APHL 2024 begins with several preconference workshops at 8:00 am, Monday, May 6, followed by the **Opening Session** at 1:30 pm.

Posters will be displayed from Monday afternoon, May 6 to 3:30 pm on Wednesday, May 8.

Exhibit Hall hours:

May 6, 3:00 pm – 6:30 pm
May 7, 10:00 am – 6:30 pm
May 8, 10:00 am – 3:30 pm

Meeting Rooms

The exhibit hall and all the sessions, posters and food and beverage events will take place in the Baird Center.



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10:30 am – 11:30 am

Dr. Katherine Kelley Distinguished Lecture:

The Deadly Rise of Anti-Science

Peter Hotez, MD, PhD, DSc (hon), FASTMH, FAAP

Co-Director, Texas Children's Hospital Center for Vaccine Development
and Dean, National School of Tropical Medicine, Baylor College of Medicine

11:30 am – 1:00 pm

Lunch in the Exhibit Hall

1:00 pm – 2:00 pm

Concurrent Sessions

- Wastewater Surveillance at Long-term Care Facilities: Perspectives on Feasibility and Antimicrobial-resistant Target Detection
- Mercury? It's not ELEMENTary at All, My Dear
- Using the Past to Prevent Future Laboratory-acquired Infections
- Implementing and Sustaining Parasitic Disease Testing
- Charting the Future: Leveraging National Competency Standards in a Cutting-Edge Regulatory and Laboratory Training System

RS

2:00 pm – 2:30 pm

Rapid Poster Presentations

2:30 pm – 3:00 pm

Break in the Exhibit Hall

3:00 pm – 4:00 pm

Concurrent Sessions

- The Radiochemistry Workforce — No Longer Decaying
- Enabling Public Health Electronic Test Ordering and Resulting Through Intermediaries
- The Changing Environment of Laboratory-based Antimicrobial Resistance Surveillance Reporting — Looking Domestically and Globally for Solutions
- Revolutionizing Enteric Surveillance: The Role of HMAS in Easing the Burden of Pathogen Isolation
- Conundrums for Laboratorians: Regulatory and Ethical Considerations for Secondary Uses of Identifiable Biospecimens

RS

4:00 pm – 4:30 pm

Break in the Exhibit Hall

4:30 pm – 5:30 pm

Concurrent Sessions

- Rabies: Ancient Disease and Modern Problem
- The Evolving Role of Non-Targeted Analysis: Advances and Perspectives
- The Long and Winding Road — Transitioning from AR WGS Surveillance to Clinical Reporting
- (Not So) Odd Couples: The Power of Collaboration for Rapid Response to Emerging Threats
- Food Fraud: What You Don't Know Can Kill You!

RS

5:30 pm – 6:30 pm

Networking Reception in the Exhibit Hall

Wednesday, May 8

7:00 am – 5:30 pm

Registration

7:30 am – 8:30 am

Roundtable Sessions

- Biosecurity Mastery: Navigating Critical Scenarios
- Bias in the Workplace
- Know Before They Go! Field Experience Using the Knowledge Retention Toolkit
- It's Getting Hot in Here: Addressing Temperature and Other Test-specific Requirements
- Unlocking Your Leadership Potential: The Aspiring Leader's Toolkit for Effective Communication in a Public Health Laboratory

8:30 am – 9:00 am

Break in the Exhibit Hall

9:00 am – 10:30 am

Awards Ceremony and Breakfast

Sponsored by Hologic, Inc.



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10:00 am – 3:30 pm	Exhibit Hall Open (<i>posters available for viewing</i>)
10:30 am – 11:00 am	Break in the Exhibit Hall
11:00 am – 12:00 pm	Concurrent Sessions • Trials and Tribulations: Packaging and Shipping High-Consequence and Emerging Threats • Use of Environmental Microbiology Data in Outbreak Response — Visions, Stories and Resources • Advancing Laboratory Testing for Overdose Surveillance: Implementation of the Overdose Biosurveillance Strategy • Hot Topics in Syphilis and Gonorrhea Testing • Unusual/Interesting Investigations RS
12:00 pm – 1:30 pm	Lunch in the Exhibit Hall
1:30 pm – 2:30 pm	Plenary Session: Wastewater Surveillance for Public Health: Rising to the Challenge
2:30 pm – 3:30 pm	Break and Raffle Drawing in the Exhibit Hall
3:30 pm – 4:30 pm	Concurrent Sessions • PFAS by the Numbers: A Story of 6, 29 and 12,034 • Elevating Workforce Strategies and Uniting Efforts for a Stronger Workforce: Recruitment, Retention, Diversity and Visibility • Building Capacity and Sustainable Laboratories Through Twinning in Indonesia • Weird Science: Solving Public Health Puzzles • Save Money, Save Time, Be More Efficient: Process Improvement for Enteric Pathogens RS
4:30 pm – 5:00 pm	Break
5:00 pm – 6:00 pm	Member Assembly

Thursday, May 9

7:00 am – 12:00 pm	Registration
7:30 am – 8:30 am	Roundtable Sessions • Health Equity and the Role of Public Health Laboratories in Advancing Access to Laboratory Testing during Public Health Emergencies • Collaboration with Partners During Food Safety Investigations — A One Health Perspective RS • Practice, Practice, Practice: Regional Consortia Tabletops and Their Utility for Enhancing Regional Preparedness • New Building Transition Planning — Moving, Quality, Biosecurity and Safety Considerations • Passion for the Profession: Building the Public Health Laboratory Team!
8:30 am – 9:00 am	Break
9:00 am – 10:00 am	Plenary Session: Public Health Showdown: Tuberculosis vs. <i>Candida auris</i> — Unveiling the Greatest Threat
10:00 am – 10:30 am	Break
10:30 am – 11:30 am	Plenary Session: The Climate Crisis: Public Health Laboratories' Call to Action
11:30 am	Adjournment
12:30 pm – 5:00 pm	Optional Tours of the Wisconsin State Public Health Laboratory — Clinical OR Wastewater Surveillance/ Environmental Health and Madison Nine Springs Wastewater Treatment Facility

Exhibitors (as of Jan 1, 2024)

Contact information for these exhibitors can be found on the [conference website](#).

Abbott Laboratories
 AnalytiChem
 American Proficiency Institute
 American Public Health Association
 APHL
 Arlington Scientific
 Baebies
 BGASoft, Inc.
 Bioperfectus Technologies, Inc.
 Bio-Rad Laboratories
 Biotage
 Bruker
 BugSeq
 Cepheid
 Ceres Nanosciences, Inc.
 Clear Labs
 Clinisys
 CURIS System
 Diagenode
 DiaSorin
 Flad Architects
 Fisher Healthcare
 Gold Standard Diagnostics
 Gold Standard Diagnostics Horsham, Inc.
 GT Molecular
 Guidehouse
 Hamilton Company
 HDR, Inc
 Hicomp Microtech
 HOK
 Hologic
 Illumina
 InBios International
 InductiveHealth
 Innovaprep
 INTEGRA Biosciences Corporation
 J Michael Consulting
 LabVantage
 Microbiology International
 Microsensor Laboratories
 MRIGlobal
 National Jewish Health
 New England BioLABS
 OpenELIS Foundation
 Oxford Nanopore Technologies
 PacBio
 Promega Corporation
 Puritan Medical Products
 QIAGEN
 QuidelOrtho
 Redbud Labs
 Roche Diagnostics Corporation
 RuvoS, LLC
 SCIEX
 SEAL Analytical
 Standard BioTools
 STAT Courier Service
 Streck
 Tecan
 Theiagen Genomics
 Thermo Fisher Scientific
 Twist Bioscience
 University of South Florida,
 College of Public Health
 Waters Corporation
 World BioHazTec
 Zymo Research Corp.