

Next Steps for Next Generation Sequencing

Preconference Workshop, ID Lab Con 2025
March 24, 2025 • 9:00 am – 4:00 pm PDT
Pasadena Convention Center • Pasadena, CA

Register at www.aphl.org/IDLabCon • \$200

P.A.C.E.® continuing education credits will be offered.



MARCH 25-27, 2025
PASADENA, CA

DESCRIPTION

This workshop will discuss the current trends and considerations for Next Generation Sequencing (NGS) in infectious disease detection and surveillance. As NGS has become more widely adopted, this preconference will talk about what considerations laboratories should make in deciding how to utilize and apply sequencing data. This workshop will discuss topics such as metagenomics, clinical sequencing, and genomic epidemiology.

OBJECTIVES

At the end of the workshop, the participant will be able to:

- Discuss how clinical and public health laboratories decide how to onboard sequencing for different use cases
- Describe the metagenomics approaches and use cases currently used in pathogen genomics
- Discuss how genomic epidemiology practices can be used by both public health and clinical laboratories

SPEAKERS

Heather Blankenship, PhD, Michigan Department of Health and Human Services

Daniel Evans, MS, Minnesota Department of Health

Kelsey Florek, PhD, Wisconsin State Laboratory of Hygiene

Christin L. Hanigan, PhD, Association of Public Health Laboratories

Kelly Oakeson, PhD, Utah Department of Health and Human Services

Natosha Zanders, MS, Centers for Disease Control and Prevention, Office of Advanced Molecular Detection

PROPOSED AGENDA

9:00 am	Welcome and Introductions Overview of OAMD and Goals
9:30 am	Session I: What to Do With the Data?
10:45 am	Break
11:00 am	Session II: Genomic Epidemiology
12:30 pm	Lunch Break
1:30 pm	Session III: Metagenomics
2:30 pm	Break
2:45 pm	Session IV: Sequencing Decision Matrix Exercise
3:45 pm	Wrap-up
4:00 pm	Adjournment