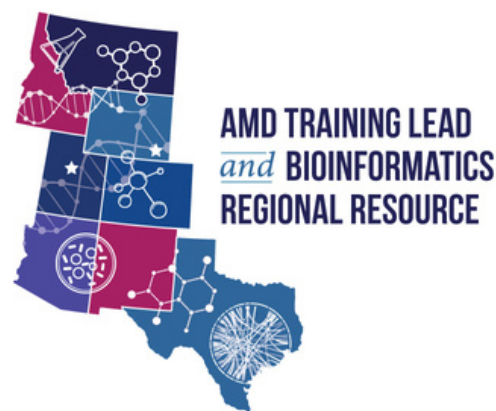


# 2025 AMD MOUNTAIN REGIONAL BIOINFORMATICS CONFERENCE

## Agenda



Colorado State Department of Public Health and  
Environment Campus  
8100 East Lowry Blvd, Denver CO 80230

April 22-23, 2025

## Description

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This two day conference is designed for states in the AMD Mountain Region to come together and discuss various topics in public health bioinformatics and genomic epidemiology. Participants will engage in presentations about new and emerging technologies, receive new training, and learn about how individual states are implementing these techniques.

## Tuesday April 22, 2025

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9:00 am - 9:45 am	<b>Introductions</b>
9:45 am - 10:45 am	<b>Session 1: Uses of Genomic Epidemiology in Public Health Laboratories</b> <ul style="list-style-type: none"><li>• Creation and Use of Live Dashboards for Enteric Pathogens (Mary Jewell)</li><li>• COVID Cluster Analysis (Abbey Marye)</li></ul>
11:00 am - 12:00 pm	<b>Session 2: Microbial Genetics</b> <ul style="list-style-type: none"><li>• NCBI Cluster Tracker (Samuel Baird)</li><li>• Bioinformatics Toolbox at WPHL (Robert Petit)</li></ul>
12:00 pm - 1:30 pm	<b>Lunch</b>
1:30 pm - 3:00 pm	<b>Session 3: Individual State Case Studies</b> <ul style="list-style-type: none"><li>• Wyoming: Optimizing bioinformatic tools to quickly identify and differentiate bacterial isolates and to contribute to hospital infection control (Rob Christensen, Robert Petit)</li><li>• Arizona: Rabies virus long-read sequencing and automated bioinformatics workflow for routine surveillance (Austin Rueda)</li></ul>
3:15 pm - 4:00 pm	<b>Session 4: Panel Discussion</b>

# Wednesday April 23, 2025

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**9:00 am - 10:00 am    Session 5: Emerging Uses of Sequencing and Other Hot Topics**

- H5N1 Wastewater Surveillance (Shannon Matzinger)
- Metagenomics (Kelly Oakeson)

**10:15 am - 12:00 pm    Session 6: Hands-on Microreact Training**

- Using NCBI's Pathogen Detection with Erin Young



**12:00 pm - 1:30 pm    Lunch**

**1:30 pm - 2:30 pm    Session 7: Lab tour**



## Other Information

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Each of the talks and training sessions will be recorded so those who are unable to attend in person can view them later. Please reach out to Amy Schaffer ([amy.m.shaffer@state.co.us](mailto:amy.m.shaffer@state.co.us)) with any questions regarding travel. There is currently funding available for each state to send 2-3 people, states should prioritize sending their lead bioinformaticians.