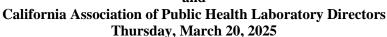


AGENTS OF BIOTERRORISM: TRAINING FOR SENTINEL CLINICAL LABORATORIES Sponsored by

San Bernardino County Public Health Laboratory (SBC PHL)





Location

San Bernardino County Public Health Laboratory 150 East Holt Blvd. Ontario, CA 91761

Description

This one-day, intermediate-level, hands-on workshop will provide an overview of the sentinel clinical laboratory's role to recognize, rule out, and refer potential bioterrorist agents. Laboratory exercises will demonstrate the culture, staining, and biochemical characteristics of Bacillus, Burkholderia, Yersinia, Brucella, and Francisella species. The workshop will cover safe handling of suspect organisms and toxins, as well as procedures for notifying and submitting samples to the San Bernardino County Public Health Laboratory. Additionally, topics such as laboratory surge capacity and continuity of operations will be discussed.

- Jessica d. Valdez, PhD, HCLD, Laboratory Director, SBC
- Norma Zamora, PhD, Principal Investigator, LRN Coordinator, Public Health Microbiologist, SBC PHL
- Jocelyn Campbell, MPH, Epidemiologist, SBC CDS
- David Yleah, MPH, CHA, Medical Emergency Planning Specialist, SBC PRP
- Krista Lam, WMD Coordinator, Critical Incident Response
- Terri Jackson, LRN-C Outreach and Training/Chemical Threat Coordinator, CDPH
- Sharon Wang, DO, MSHPE, Health Officer, SBC DPH

4:00-4:15 p.m.

Agenda (Times are Approximate)	
8:00-8:15 a.m.	Registration, Introductions and Pre-test
8:15-8:45 a.m.	San Bernardino County Public Health
0.13-0.43 a.III.	•
0.45.0.15	Laboratory (SBC PHL) Orientation
8:45-9:15 a.m.	Biosafety/Biosecurity
9:15-9:45 a.m.	Public Health Surveillance, Investigation
	and Disease Trends
9:45-10:00 a.m.	Break
10:00-10:30 a.m.	Public Health Emergency Management,
	Planning and Preparedness Efforts
10:30-11:00 a.m.	FBI Weapons of Mass Destruction
11:00-11:30 a.m.	LRN-C
11:30 a.m12:00 p.m.	Clinical Presentation for Select Agents
12:00-12:30 p.m.	Packaging and Shipping/Chain of Custody
12:30-1:30 p.m.	Lunch
1:30-4:00p.m.	Agents of Bioterrorism – Exercise
	• Bacillus anthracis (Anthrax)
	• Brucella species (Brucellosis)
	• Francisella tularensis (Tularemia)
	• Yersinia pestis (Plague)
	•
	 Burkholderia mallei and pseudomallei (Glanders and Melioidosis)

Evaluation

Concluding Remarks, Post-test and

Audience

This program is designed for laboratorians with bench-level clinical microbiology experience. Only people with experience working in the laboratory setting will be permitted to attend.

Objectives

At the conclusion of this program, the participants will be able to:

- Discuss the Laboratory Response Network and the role of the Public Health Laboratory.
- Discuss public health investigations, by identifying exposed populations, administering prophylaxis to affected individuals, and determining the source of exposure.
- Understand public health surveillance systems including epidemiological, syndromic, and virological surveillance.
- Describe current bioterrorism disease trends.
- Describe emergency management as it relates to the San Bernardino County Department of Public Health planning and preparedness efforts.
- Define the role of the laboratory in various public health emergency responses.
- Explain the role of the FBI and its critical incidence response on a bioterrorism attack.
- Discuss the role of Chemical Terrorism Preparedness and the Chemical Laboratory Response Network (LRN-C).
- Discuss the role of the clinical laboratorian in the presumptive identification of organisms and toxins targeted for use in bioterrorism.
- Identify culture, staining and biochemical characteristics of the primary agents likely to be involved in a bioterrorist event including Bacillus anthracis, Brucella spp., Burkholderia spp., Francisella tularensis, and Yersinia pestis.
- Outline the process for contacting appropriate personnel and transporting samples suspected of containing any of the select agents, Ricin toxin, or emerging diseases to the San Bernardino County Public Health Laboratory.

Continuing Education

The California Association of Public Health Laboratory Directors (CAPHLD) is an approved provider of continuing education units by the State of California. Participants who successfully complete this program will be awarded 6.0 contact hours. (CAPHLD Course #250320)

Registration

dphsbcounty.co1.qualtrics.com/jfe/form/SV_7R5Lt18SAraX4MK

- Fee: NO CHARGE
- Registration deadline: March 14, 2025
- Enroll early! Space is limited to 10 participants.
- Please limit registration to one person per facility.
- Attendance will be limited to individuals with prior experience working in a laboratory setting.

Ouestions: Please e-mail DPHLab@dph.sbcounty.gov