DESCRIPTION
This hands-on program will provide an overview of the clinical laboratory’s role as a sentinel laboratory, including the presumptive identification of some of the primary agents of bioterrorism. Laboratory exercises will demonstrate the culture, staining and biochemical characteristics of *Bacillus anthracis*, *Yersinia pestis*, *Francisella tularensis*, *Brucella spp.*, *Burkholderia mallei*, and *Burkholderia pseudomallei*. The safety implications of handling suspect organisms in clinical isolates and culture and suspect toxins will be emphasized. Policies related to select agents and packaging and shipping of specimens will be reviewed.

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

- Discuss the role of the clinical laboratorian in the presumptive identification of organisms and toxins targeted for use in bioterrorism and the safety implications of handling suspect samples in clinical specimens and isolates.
- Recognize culture, staining, and biochemical characteristics of the primary agents likely to be involved in a bioterrorist event including *Bacillus anthracis*, *Yersinia pestis*, *Francisella tularensis*, *Brucella spp.*, *Burkholderia mallei*, and *Burkholderia pseudomallei*.
- Outline the process for contacting appropriate personnel and transporting samples suspected of containing smallpox, ricin, or botulism to the Indiana State Department of Health Laboratories.
- Describe the development of lab-specific biosafety and biosecurity plans in hospital facilities utilizing federal recommendations.
- Explain the concept of select agents and requirements for USDA Permits.

AUDIENCE
This intermediate-level program is designed for the microbiologist with bench-level clinical microbiology experience.

DATES & LOCATIONS
August 10, 2017
Baptist Health Floyd
New Albany, IN

September 21, 2017
Indianapolis State Department of Health Laboratories,
Indianapolis, IN

CONTINUING EDUCATION
The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.
Program. Participants who successfully complete this program will be awarded 7.5 contact hours.
Course #: 588-120-17, 588-121-17

SPECIAL NEEDS
In compliance with the Americans with Disabilities Act (ADA), individuals seeking special accommodations should submit their request in writing to APHL Customer Support (customersupport@aphl.org) at least three weeks prior to start date of the workshop.

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Hands-On Workshop for Sentinel Laboratories: Biothreat Agents 101

AGENDA Times are approximate.
7:30 a.m.  Registration
8:00  Welcome and Course Overview
8:15  Pretest
8:30  Sentinel Lab Role
8:45  Select Agents and USDA Permits
9:00  Category A: Packaging and Shipping
9:15  Break (provided)
9:30  Agents of Bioterrorism, Part I
10:15  Safety Overview
10:45  Lab Exercises: Bacillus spp., Burkholderia spp., and Yersinia spp.
12:15 p.m.  Lunch (provided)
12:45  Agents of Bioterrorism, Part II
1:30  Lab Exercises: Brucella spp., and Francisella tularensis
3:00  Break (provided)
3:15  Lab Exercise: Unknown Identification
3:45  Unknown Review
4:00  Post Test
4:15  Question and Answer, Evaluation Instructions
4:30  Adjourn, Optional Lab Tour

REGISTRATION Seating is limited, so register early!
- Fee: No charge to Indiana residents!
- Registration Deadline: 1 week prior to event.
- Register online. (http://www.aphl.org/courses/Pages/120-17.aspx)
  Pre-registration is required and NO walk-ins will be permitted.
- Upon receipt of your registration, a confirmation letter, including maps and directions, will be sent to you via email. You must present your registration confirmation the day of the workshop.
- Setting will be strictly limited to 10 participants.
  Please be considerate of your colleagues and register only if you intend to attend. Registering reserves the seat for YOU thereby preventing someone else from attending.
- Your participation is important to us, but if you must cancel or have last-minute substitutions due to illness or other reasons please notify the Registrar (registrar@aphl.org) or phone 240.485.2727 so that your seat can then be offered to another applicant.
- If you have difficulty with the online registration process, please email the Registrar (registrar@aphl.org) or phone 240.485.2727.

QUESTIONS?
Please email Marisa Barley (marisa.barley@aphl.org), APHL Customer Support.
Course Content Questions? Please email Shelley Matheson (smatheson@isdh.in.gov), IN State Training Coordinator, or phone 317.921.5890.

FACULTY
Indiana State Department of Health Laboratories
Indianapolis, IN
- Shelley Matheson, BS, State Training Coordinator
- Mark Glazier, BS, Director, Biological Preparedness, Laboratory Outreach, and Logistics, Select Agent Responsible Official
- Jyl Madlem, MS, MT(A MT), Laboratory Program Advisor

The National Laboratory Training Network is a training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).
For a complete list of courses, visit www.nltm.org/courses.