

Bioterrorism Preparedness for the Sentinel Laboratory

May 20, 2009 or May 21, 2009
Jackson, MS



MISSISSIPPI STATE DEPARTMENT OF HEALTH

Sponsored by
National Laboratory Training Network
and
Mississippi Public Health Laboratory



Description

This one-day, intermediate level hands-on workshop will provide an overview of the Sentinel Clinical Laboratory's role in the presumptive identification of the primary agents of bioterrorism. Participants will learn about the Laboratory Response Network and Sentinel laboratory protocols for ruling out suspect agents. Laboratory demonstrations will outline the microbiology of these agents so that participants can recognize the culture, staining, and biochemical characteristics. The safety implications of handling suspected pathogens in clinical isolates and culture will be emphasized.

Audience

This workshop is designed for laboratorians who handle microbiology clinical specimens and cultures. Priority admission will be given to applicants who work in microbiology laboratories and who are responsible for bench work involving the rule-in/rule-out of organisms for bioterrorism preparedness.

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 suspect agents of bioterrorism.
- Explain the safety implications of handling suspect bioterrorism organisms in clinical specimens and isolates.
- Describe the clinical presentation and biochemical characteristics of *Bacillus anthracis*, *Brucella* spp., *Burkholderia* spp., *Francisella tularensis*, and *Yersinia pestis*.
- Outline the process for referring suspect organisms to the Mississippi Public Health Laboratory.

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 6 contact hours.

Location

University of MS Medical Center
School of Health Related Professions
Room: SH 261 (CLS Lab A)
787 Lakeland Drive
Jackson, MS

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.nltn.org/courses

Special Needs

In compliance with the Americans with Disabilities Act (ADA), individuals requiring special accommodations should notify the NLTN office at 240.485.2727 or 510.412.1400 at least three weeks before the program.

Faculty—MS Public Health Laboratory

Jane Campbell, MHS, MT(ASCP)
Lab Division Director, Special Microbiology Division

Regina Derstine, BS, MT(ASCP)
Laboratory Training Coordinator

Cathie Hoover, BS, MT(ASCP)
General Supervisor, Special Microbiology Division

Kelly Lammons, MCS, MT(ASCP)
Laboratory Technologist, Special Microbiology Division

Ryan Rives, BS
Laboratory Technologist, Special Microbiology Division

Renee Newman Wilkins, MS, MT(ASCP), CLS(NCA)
Instructor, University of Mississippi Medical Center

Agenda

7:45 a.m.	Registration/Continental Breakfast
8:15	Pre-test
8:30	Opening Remarks
8:45	Overview of the NLTN, Laboratory Response Network (LRN), and Discussion of MPHL Capabilities
9:00	Principles of Biosafety
9:30	Agents of Bioterrorism: An Overview for Clinical Labs
10:00	Break (provided)
10:15	Agents of Bioterrorism (continued)
11:15	Select Agent Program: What the Sentinel Lab Needs to Know
11:30	Safe Transport of Suspect BT Agents
11:45	Lunch (provided)
12:30 p.m.	Lab Exercises Identifying Unknowns
2:00	Break (provided)
2:15	Lab Exercises Identifying Unknowns (continued)
3:45	Wrap-up, Q&A and Evaluation
4:00	Post Test
4:15	Adjourn

Registration *Seating is limited so register early!*

- **Fee: NO CHARGE to Mississippi RESIDENTS!**
- **Registration Deadline: May 6, 2009**
- **Register online at www.nltn.org/courses using PROMO code BTMS (case sensitive).**
- *If you have difficulty with the online registration process, please email registrar@aphl.org or call 240.485.2727.*
- Upon receipt of your registration, a confirmation letter, including maps and directions, will be sent by email.
- For additional program information, email labworkshops@aphl.org.