

Deep South Biosafety



Worker Training Program

**Introduction to  
the Deep South  
Biosafety  
Consortium**

**EBOLA**

**HIV**

**SARS**

**HBV**

**MERS**

**MALARIA**

# Consortium Members

## University of AL at Birmingham

## University of Mississippi Medical Center

## Alabama Fire College

School of Public Health

University of MS Health System

Workplace Safety Training Program

School of Nursing

Center for Emergency Services

School of Medicine

Department of Emergency Medicine

Department of Emergency Medicine

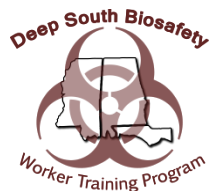
State Medical Response System

Department of Pediatrics

Division of Infectious Disease

UAB Health System, Office of  
Interprofessional Simulation for Innovative  
Clinical Practice

Center for Interprofessional Education  
and Simulation, Office of the Provost



# Deep South Biosafety Worker Training Program

- **Goal:** To create a mechanism to provide integrated public health, medical, occupational health, and worker safety training that incorporates the perspectives of key stakeholders from across the region.
- **Region:** Alabama, Mississippi, Florida Panhandle
- **Stakeholders:**
  - **Healthcare workers** – those in direct and in-direct patient care roles
  - **Public Safety Personnel** including fire, EMS, law, emergency management



# Types of Training

- **Awareness level** - to promote workers' understanding and knowledge of relevant potential infectious disease exposures, precautions, safety standards and guidance.
- **Operations level** – to promote workers' understanding and demonstrated capacity for effectively executing standards of proficiency for applicable activities related to potential occupation exposure to emerging infectious diseases and hazardous scenarios.

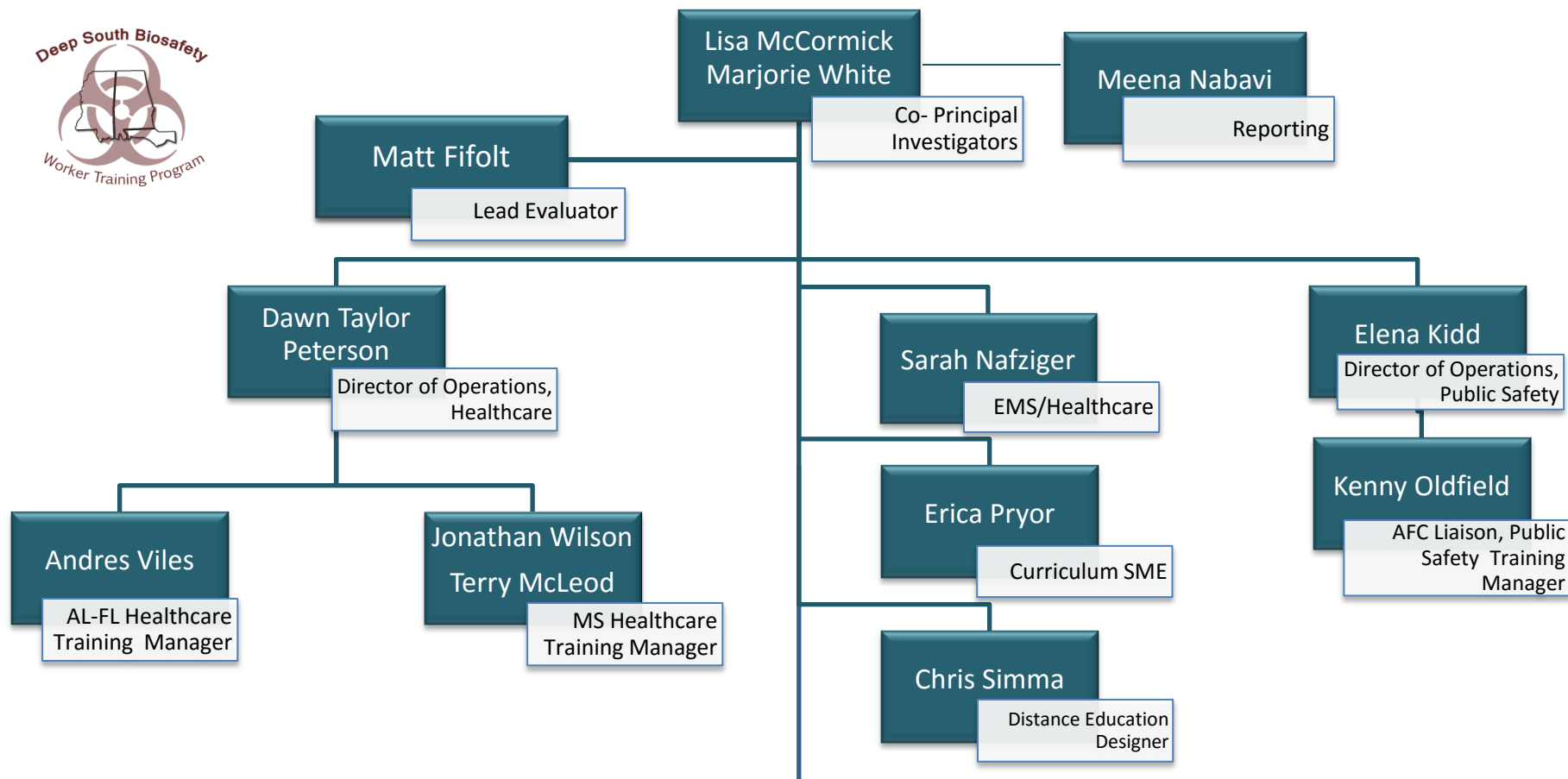
# Types of Training

- **Train-the-Trainer module** – offered with the objective of providing instructors with the knowledge, skills, and tools needed to provide awareness and operations level training to others in their respective organization and field.
- Through Existing PHEP and HP Programs at ADPH and MSDH, we will participate in exercises that will lead to the identification of gaps in public health and medical surge capabilities. Review AAR/IPs that identify further gaps in the area of ID response.

# Program Aims

1. Deliver training in such a way that participants will be able to apply what they learn to their daily functions.
2. To enhance communication across healthcare and public safety disciplines and organizations that will lead to better coordination and planning.
3. To create a cadre of peer trainers that can further disseminate both awareness- and operations-level knowledge and skills to the workforce.

# Program Structure



## Advisory Board

- Alabama Department of Public Health
  - Center for Emergency Preparedness
  - Emergency Medical Services
- Jefferson Co Department of Health/Jefferson Co Healthcare Coalition
- Mississippi State Department of Health
  - Office of Preparedness and Emergency Response
  - Emergency Medical Services
- UAB Health System
- UAB School of Medicine – Infectious Disease
- Mississippi Hospital Association
- UMMC Health System
- Alabama Fire College
- Mississippi State Fire Academy
- USNORTHCOM
- Center for Domestic Preparedness

# Work Plan for Year 1

- Public Safety Personnel
  - 18 Awareness (8 in MS, 8 in AL, 2 in FL) – 360 participants
  - 9 Operations (4 in MS, 4 in AL, 1 in FL) – 180 participants
  - 4 Train-the-Trainers – 80 participants
- Healthcare Personnel
  - 14 Awareness (6 in MS, 6 in AL, 2 in FL) - 420 participants
  - 14 Operations (6 in MS, 6 in AL, 2 in FL) -280 participants
  - 4 Train-the-Trainers - 80 participants
- Encourage Interprofessional participation in all courses.
- Indirect Numbers
  - 420 participants to the Awareness level
  - 140 participants to the Operations level





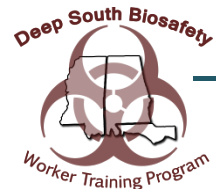
# Modality of Trainings

- Awareness:
  - Classroom-based
  - Online course
- Operations:
  - Classroom-based
  - Blended
- Train-the-trainer:
  - Classroom-based
  - Blended



# Curriculum

- **The Deep South Biosafety WTP curriculum will incorporate material from :**
  - NIEHS Base Curriculum (Awareness and Operations) – Ebola
  - NIEHS “Pathogen Safety Data (PSD) Manual”
  - Other resources available from UAB, UMMC, Rutgers, PHE, NIEHS
- **Curriculum Review**
  - UAB Team (Erica Pryor and Dawn Peterson) initial development
  - Level One Review - Sarah Nafziger (ADPH - EMS) and Alan Jones/Jonathan Wilson/Marjorie Lee White (MS/AL Healthcare)
  - Level Two Review - Advisory Board



# Training Evaluation

- Kirkpatrick's
  - Level I – Participant Satisfaction
  - Level II – Learning
  - Level III – Application
  - Level IV – Organizational Change

# Process Evaluation

- Is the Deep South Biosafety WTP being implemented according to the work plan?
- What type, quantity, and quality of training services are being provided by Deep South Biosafety WTP across the region and to whom?
- What are the products (training, training resources) of the Deep South Biosafety WTP's implementation?

# Process Evaluation

- Quality Control Audit using the NIEHS 2006 Minimum Health and Safety Training Criteria (annually)
- Annual refresher training for our instructors and annual recertification of the competency of the instructors

# Contact Information

Lisa McCormick, DrPH

[lmccormick@uab.edu](mailto:lmccormick@uab.edu)

(205)934-7148

Marjorie Lee White, MD

[mlwhite@uab.edu](mailto:mlwhite@uab.edu)