Based out of the RBL at Duke University
- NIH/NIAID constructed facility UC6-AI058607
- Conduct research to develop drugs, diagnostics, and vaccines for emerging infections and biodefense
- BSL3 labs and ABSL3 animal suites

DIDRT funded by NIEHS grant #1U4ES027072
The RBL is Part of a National Network

NIAID/NIH Mandate:
RBLs/NBLs were constructed by the NIH and must provide biocontainment facilities for research on biodefense and emerging infectious diseases, and also be available and prepared to assist national, state, and local public health efforts in the event of a bioterrorism or infectious disease emergency.
DIDRT Consortium

DIDRT Funded by NIEHS grant #1U4ES027072
DIDRT - Organizational Chart

External Advisory Board
M Sondrini, J Welch

Principal Investigator
G Sempowski (Key)

Program Manager
S Alderman (Key)

NIEHS WTP Program Management

Colorado Site PI
B Ellis (CSU)

Illinois Site PI
J Kanabrocki (Univ. of Chicago)

Kentucky Site PI
W Severson (Univ. of Louisville)

Virginia Site PI
D Stedman (Geo. Mason Univ.)

Program Coordinator
J Peter

Training Specialist
Hired (11/1/16 start)

Communications Coordinator
M Daly

IT / Database
T Lynch, T Yee

Co-Chairs
Outreach/Curriculum
C Wolf, R. Frothingham

Curriculum & Outreach
Steering Committee
C Woods, W Thomann, D Hunt, C Epling, J Taekman, C Grochowski, N Greeson

Trainer
TBD Y2

DIDRT Funded by NIEHS grant #1U4ES027072
DIDRT - Target Worker Populations

- First Responders
- Custodial Services
- Travel/ Air Transport Services
- Healthcare/ Clinical Laboratory Services

DIDRT funded by NIEHS grant #1U4ES027072
DIDRT - Reach

Duke Infectious Disease Response Training (DIDRT)
Key Target Audience and Outreach Plan

First Responders
- General Training Targets
  - Local, county and state police and fire services
  - State emergency management groups
  - University Police and Security

Custodial Service Workers
- General Training Targets
  - Janitorial Management Groups
  - Biohazard Waste Management Groups
  - RBL and University-based hospital custodial staff

Travel/Air Transport Services Workers
- General Training Targets
  - US Border Protection and Transportation Security Administration
  - Baggage handlers
  - Airlines and airports
  - Courier shipping hubs (i.e., Louisville UPS Hub)

Healthcare and Clinical Laboratory Workers
- General Training Targets
  - RBL-associated university hospitals and VA hospitals (Duke University Medical Center, Durham VA Center, University of Chicago Medical Center, University of Louisville Hospital)
  - State and County Health Departments

Specific Letters of Support
- Region IV ESF8 Unified Planning Coalition
- Durham County Police
- Duke University Police
- NC Justice Academy
- NC Office of Emergency Management Systems
- Fairfax County Sheriff’s Office
- Fairfax Emergency Management
- Fairfax County Police Department
- Congressman Price
- Senator Tillman
- Durham County Health Department
- NC Health and Human Services
- University of Maryland Emergency Management Program
- George Mason University
- University of Louisville
- Colorado State University

Specific Letters of Support
- Region IV ESF8 Unified Planning Coalition
- Environmental Services at Duke University Health Systems
- Environmental Services at Duke University
- Durham County Health Department
- NC Health and Human Services
- NC State Health Director
- University of Louisville

Specific Letters of Support
- Region IV ESF8 Unified Planning Coalition
- Customs and Border Office, Raleigh Durham
- Durham County Health Department
- NC Health and Human Services
- NC State Health Director
- University of Chicago

Specific Letters of Support
- Region IV ESF8 Unified Planning Coalition
- Congressman Price
- Senator Tillman
- NC State Health Director
- The University of Chicago
- Colorado State University
- Department of Agriculture and Consumer Support

DIDRT funded by NIEHS grant #1U4ES027072
DIDRT – Approach to Training

• Tailored to workplace and job duties
  – When possible train in the actual workplace
• Active participation by all trainees
• Focus on hands-on activities
  – Lots of repetition

DIDRT funded by NIEHS grant #1U4ES027072
DIDRT – Approach to Training

“Lifecycle of DIDRT”

Pre-training Assessment
- Worker Survey
- Consultative Visit
- Pre-training Quiz

Training
- Didactic
- Hands-on
- Simulations
- Scenario drills

Post-training Assessment
- Post-training Quiz
- Demonstration of proficiency
- Certification

Continuing Education
- Online Refresher Courses - Quiz
- Proficiency Test - in person
- Re-Certification

DIDRT funded by NIEHS grant #1U4ES027072
Past Trainings

Duke University Health System
Duke Hospital
*Ebola Preparedness*
October 2014

U.S. Customs and Border Protection
RDU International Airport
*Ebola and Infectious Disease Outbreaks*
March 2015

DIDRT funded by NIEHS grant #1U4ES027072
Past Trainings

Durham Fire and EMS
RBL at Duke
Emergency Response Drill
April 2011

DIDRT funded by NIEHS grant #1U4ES027072
DIDRT – Aims/Goals

**Aim 1.** Develop a multistate consortium of biosafety professionals utilizing the established NIAID RBL network to provide comprehensive infectious disease response training.

**Aim 2:** Train specific worker populations with important roles in infectious disease response.

**Aim 3:** Evaluate the efficacy of preparedness training, incorporating results in a continuous quality improvement cycle.

<table>
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<th>Worker Population</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
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<td>First Responders</td>
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