



Texas Tech University  
**BIOTERRORISM  
RESPONSE LABORATORY**

# *TIEHH Bioterrorism Response Laboratory Facility Update*

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**Texas LRN Conference <sub>m</sub> February 24-26, 2013**

# LRN Personnel

- m **Anna Gibson – BT Response Coordinator**
- m **Kevan Athanasiou – Microbiologist**
  - m Recent TIEHH graduate
  - m Currently training in LRN protocols
- m **Chris Lyle – Surge**
  - m Milk Testing Microbiologist
- m **Steve Presley, Ph.D. - ARO and Program Director**



# The Year in a Nutshell...

- m Commissioned BSL-2 Enhanced Containment Facility
  - m Support Sentinel Labs
  - m Influenza Surveillance
  - m Biological Detection System
  - m Exercises
- m Milk Testing Services
- m Mosquito Surveillance



# Bioterrorism Response Laboratory (BRL)

- m 1,600-square-foot facility
- m Utilized existing City of Lubbock equipment and resources
- m Dual public health (LRN) and research laboratory



# Our 1<sup>st</sup> Wet Workshop!



# Biological Threat Research Laboratory (BTRL) Dedication



# The Next Steps...

- m SAP Inspection Results
- m LRN Reagents Ordered and Transferred
- m Training
- m Research





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**No, that's not Kevin Smith.**

# The Institute of Environmental and Human Health (TIEHH)

- m Reese Technology Center
- m 150,000 square feet of offices, laboratories, and testing facilities
- m Graduate degree program at Texas Tech University
  - m Environmental Toxicology
  - m Forensic Toxicology



# Infectious Diseases Laboratory

- m Potential impact of biological pathogens naturally or intentionally introduced into military and civilian populations, and the agricultural industry.
  - m Efforts include: entomological, microbiological and molecular laboratory studies; field studies; computer assisted predictive modeling; as well as the design, development and testing of novel detection and personal protective technologies.
  - m Admiral Elmo R. Zumwalt Jr. National Program for Countermeasures to Biological & Chemical Threats



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