



## *Creating tomorrow's solutions to Infectious Diseases and Bioterrorism.*

With construction and operation supported by cooperative agreements with the National Institute of Allergy and Infectious Diseases of the National Institutes of Health (NIAID/NIH), the Galveston National Laboratory (GNL) located at the University of Texas Medical Branch provides much needed high containment space in which research can be done to develop therapies, vaccines and diagnostic tests for naturally occurring emerging diseases such as SARS, West Nile encephalitis, avian flu, as well as for potential agents of bioterrorism.

### **GNL Facts:**

- Total gross square footage: Approx. 300,000 (186,000 GNL & 114,000 Keiller)
- Total laboratory space: Approx. 96,000 square feet (GNL & Keiller)
- Total BSL4 space: Approx. 14,000 square feet (GNL & Keiller)
- Total BSL3 space: Approx. 29,000 square feet (GNL & Keiller)
- Total project cost: \$173.6 million
- Federal grant amount: \$115 million
- State of Texas match: \$58.6 million
- Economic impact: Projected \$1.4 billion over 20 years statewide
- Construction start date: May 2005
- Substantial completion date: July 2008
- Move-in date: September/October 2008
- Facility dedication date: November 11, 2008
- Ownership: UTMB owns and operates the GNL; the federal government, foundations and commercial sponsors will support research projects.
- It took the efforts of roughly 2,400 workers more than 5 years to design, engineer, construct and complete the GNL facility.

- Types of pathogens to be studied: Anthrax, seasonal and avian influenza, bubonic plague, hemorrhagic fevers (such as Ebola), typhus, West Nile virus, influenza, drug-resistant tuberculosis and others.
- UTMB's Robert E. Shope, M.D. BSL4 laboratory located within the GNL/Keiller complex was the first such facility of its kind on a U.S. university campus. Opened in 2004, the Shope Lab today operates in conjunction with the GNL and contributes significantly to UTMB's infectious disease research.

### **Training tomorrow's containment researchers:**

- UTMB's biosafety training program is the hub of instruction for the biocontainment researchers of tomorrow.
- With expanded construction in biocontainment research space over the past decade in the U.S., there is a need as never before to increase the number of highly trained researchers and support staff that will be required to safely operate these high tech facilities.
- To date UTMB's expert technicians, instructors and safety personnel have trained more than 1,000 individuals for work in BSL2, BSL3 and BSL4 labs across the country – as well as more than 200 graduate and post graduate students.
- Technical competence, comprehensive knowledge, proper protection, strict adherence to protocols, and one-on-one mentoring are the key elements of UTMB's biosafety training program.