

# WASHINGTON STATE UNIVERSITY

## Global Animal Health Building, Phase II (Washington Animal Disease Diagnostic Laboratory)

2009– 11 Request:	\$6,100,000	Project Type:	Program (Research)
Institution Priority:	#15	Project Phase:	Predesign/Design
		Gross Square Ft:	77,614

Pre-design and design funds for a Washington Animal Disease Diagnostic Laboratory building (Global Animal Health, Phase II) are requested by Washington State University for the 2009-2011 biennium.

The proposed 42,800-square foot facility will house the Washington Animal Disease Diagnostic Laboratory (WADDL) and diagnostic-related research and development laboratories.

Project completion will enable the State of Washington, WSU, and WADDL to fulfill a mandate for high risk infectious disease surveillance; respond to high risk pathogen outbreaks; meet international laboratory accreditation standards required for participation in disease surveillance and emergency response programs; and facilitate professional and graduate student teaching and enhanced research collaboration involving sophisticated diagnostics and vaccine development. It will provide support for many of the state's biotechnology businesses.



WSU's WADDL program is the only veterinary diagnostic laboratory in Washington accredited to provide comprehensive animal, food, and environmental surveillance for diseases such as avian influenza, West Nile encephalitis, BSE (Mad Cow Disease), and foot and mouth disease. As such, WADDL is a critical resource for other state and federal agencies, including the Washington Departments of Agriculture and Health. Expansion of programs and increased responsibilities to agriculture stakeholders and consumers has exceeded the scope and design of the existing facilities.

WADDL set up its current Bustad Hall laboratories in 1978. While providing a laboratory setting for training and education of DVM and post-graduate students, WADDL has grown into one of the premier animal disease diagnostic laboratories in the nation. As one of 12 founding members of the National Animal Health Laboratory Network and one of only nine veterinary diagnostic laboratories in the Laboratory Response Network for Bioterrorism, WADDL has a critical role in Homeland Security and national defense against biological threat agents.

Despite WADDL's scientific success, its physical plant now fails to meet standards. A report following a comprehensive laboratory accreditation site visit in September 2005 had as its number one recommendation the "*timely completion of the design and building of a dedicated diagnostic laboratory facility on the Pullman campus to replace aging laboratory space in Bustad Hall*". The current building is not conducive to modern educational methods and does not meet optimal bio-safety standards.

This new WADDL facility will serve as the "diagnostic and surveillance" portion of a combined Global Animal Health complex at WSU.

A \$25 million private grant from the Bill and Melinda Gates Foundation has been received for the “health research” component of an adjacent \$35 million privately-funded WSU building. This state diagnostic building and the privately-funded health research building will serve as the centerpiece on the WSU-Pullman campus for the newly created School for Global Animal Health ([www.globalhealth.wsu.edu](http://www.globalhealth.wsu.edu)), a very high priority for the University.

WSU’s 2009-11 Operating Budget Request includes funding for the targeted recruitment of new faculty to add new and strengthen existing expertise, for fulfilling the mission of the School, developing an internationally leading graduate program and strengthening existing inter-institutional linkages.

The proposed new facility explicitly addresses the College of Veterinary Medicine’s and University’s strategic priorities. It also addresses multiple state priorities of government relating to “*health, security, economic vitality, safety, and natural resources*” (OFM Priorities of Government), and is strongly supported by stakeholders in the state and region and insures the international laboratory accreditation needed for federal and state programs supporting disease surveillance and global health and global agricultural markets.