



PennState

Applied Biological and
Biosecurity Research Laboratory

Program for Enhancing the Health and Productivity of Livestock (PEHPL)

Pairing students and mentors across borders to enhance cooperative problem-solving and develop career tracks

Overview

The Program for Enhancing the Health and Productivity of Livestock (PEHPL) is an international and interdisciplinary PhD training program designed to build capacity for cutting-edge livestock health research in East Africa and to generate productive international collaborations in the region. It is currently in its first implementation, with an inaugural cohort of 16 students.

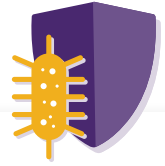
Objectives / Goals

To develop a technical base for PhD research and training at NM-AIST that will allow the next generation of African scientists to deliver practical and effective interventions in animal health and production, and improvements in livestock management practices.

To enhance the livelihoods of smallholder livestock keepers in sub-Saharan Africa by implementing applied multidisciplinary projects in socio-economics and food security.

Technical Approach

Scientists and students will work with livestock farmers in East Africa to enhance the nutrition and health of people through improving the health and productivity of their livestock. PhD students will be paired with mentors (at their own institution and other partner institutions), as well as fellow PhD students in the program at a partner institution to facilitate international collaborations. Travel to Tanzania yearly for a training program will enhance student skills and allow for scientific communication. PhD projects will be on livestock diseases of importance to the East African region. A cohort of 16 students, 8 from the Nelson Mandela African Institution of Science and Technology (NM-AIST) in Arusha, Tanzania and 8 from partner institutions in the U.S. and the United Kingdom including at least 50% female scientists.



Mission Area:

Community Engagement Driving Health Security

Type: Capacity Building

Region: Africa, N. America, Europe

Countries: Tanzania, Scotland (UK), USA

Status: Ongoing



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Partners

Funders:

- Bill and Melinda Gates Foundation

Implementation / Scientific:

- University of Glasgow, United Kingdom
- Scotland's Rural College, United Kingdom
- Washington State University, Washington
- Nelson Mandela African Institution of Science and Technology (NM-AIST), Arusha, Tanzania

Other Resources:

- PEHPL Program Website: <https://www.pehpl.com>