Queensland Centre for Emerging Infectious Diseases

Focused on Hendra virus; targeting disease prevention, prediction, and management

Description

The Queensland Centre for Emerging Infectious Diseases (QCEID) will target Hendra virus and other emerging diseases which threaten Queenslanders. Its research will help develop effective disease management strategies and strengthen Queensland's biosecurity capacity to predict, detect, prevent and manage emerging diseases. Projects coordinated by QCEID will translate knowledge, skills and expertise into advice, technologies, education and policy to benefit Queenslanders and Queensland animal industries.

Purpose

QCEID research objectives:

- Elaborate the disease ecology and epidemiology of Hendra virus, including:
  - bat-virus interactions and strain diversity
  - bat-horse interactions and the transmission pathway
  - spatial and temporal patterns of infection.
- Enable the development of rapid, sensitive and reliable diagnostic assays for human and animal use.
- Identify risk attitudes to Hendra virus in veterinarians and horse owners.
- Build Biosecurity Queensland's capacity to predict, prevent, detect and manage disease emergence.

Scope

National – Australia.

Primary Funders

Australian local and national governments.

Participants & Key Collaborators

Biosecurity Queensland, Queensland Health, Queensland universities, the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australian Animal Health Laboratory, and key stakeholder groups.

Definition of One Health

None.

Monitoring & Evaluation Strategy

Unknown.

Sources of Information

http://www.dpi.qld.gov.au/4791_18617.htm

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