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Recent & current research projects:

TAHC12-0032: Development and validation of H5 and H7-specific ELISAs for ostrich sera

TAHC12-00033- Expanded influenza A virus antigen panels for diagnostic applications

TAHC12-00034: Development of a real-time PCR assay for the simultaneous detection and differentiation of SA poultry mycoplasma vaccine and field strains

IRT-AZD: Molecular surveillance of birds of the National Zoological Gardens as a sentinel population for regional influenza A viruses, avian paramyxoviruses and flaviviruses

Pathotyping and genetic characterization of Newcastle disease virus outbreak strains

Metagenome studies on disease syndromes of poultry (respiratory, neurological and gastrointestinal)

Isolation and characterization of Avian gyrovirus 2

Genetic characterization and quasispecies of QX-like infectious bronchitis virus

Quasispecies analysis of HPAI H5 in ostriches

Molecular epidemiology of avian influenza in South Africa

Full genome sequencing of poultry pathogens

Development/ adaptation and transfer of real-time RT-PCRs for poultry pathogens to the Department of Veterinary Tropical Diseases

Contract research (vaccine trials)