

# Group - Equine

- Ann Cullinane
- Tom Chambers
- Debra Elton
- Takashi Yamanaka
- Adam Rash
- Romain Paillot
- Cecilia Olguin Perglione

# Equine

## Vision

To minimise economic loss, welfare and social impact due to equine influenza.

# Year 1 Priorities

- Watching brief on the virus strains circulating globally, and their impact on vaccinated and unvaccinated equidae.
- Generation of equine serum against Clade 1 strain with HA substitution Q189K.
- Antigenic characterisation of recent strains with both ferret and equine specific sera

# Year 1 Priorities

- Distribution of OIE/EDQM Clade 2 reference standard – Optimisation of SRH
- Update OIE Manual with RT-PCR validated to OIE standard
- Training and global distribution of reference reagents and proficiency panels

# Year 1-3 Priorities

- Expand geographical surveillance coverage
- Introduce routine antigenic characterisation by neutralisation with equine sera to complement ferret sera data
- Increase investigation of vaccination breakdown – publicise results

# Year 1-3 Priorities

- Propose update to OIE Terrestrial Code
- Continue investigations of evidence based vaccination regimes
- Identify where equine influenza is maintained
- Investigate antigenicity of neuraminidase
- Investigate the impact of factors such as international movement and the synergism of other pathogens and equine influenza virus

# Year 1-3

- Link with proposed companion animal group with emphasis on H3N8 viruses
- Investigate merits of introducing new nomenclature for viruses
- Whole genome sequencing