OUR SCIENTIFIC VISION
To provide the UK with its capacity to predict, detect, understand and respond to high-consequence livestock and zoonotic viral diseases to protect our food and economic security and improve the health and wellbeing of animals and people.

OUR STRATEGIC PRIORITIES:
1) To deliver excellent applied and fundamental bioscience research on viruses, hosts and vectors, nationally and internationally
2) To identify, contain and eradicate important viral diseases of livestock and those that spread from animals to people which threaten or occur in the UK
3) To contribute to global food security and one health agendas through the dissemination of our scientific knowledge of virus and host to maximise its impact in disease control, surveillance and prediction globally
4) To provide national facilities and expertise in high containment laboratories, insectaries, animal facilities and collections of vectors and viruses
5) To inspire, train and recruit the next generation of scientists through a programme of knowledge exchange, training and development in high containment research and biosecurity
OUR CAPABILITIES ARE:

- World-class scientists who are experts in the fields of virology, vaccinology, immunology, epidemiology, entomology, biomathematics and genetic engineering
- Unique high containment research facilities to study animal viruses of economic importance in the natural host (in vitro and in vivo study facilities)
- International reference laboratories accredited to ISO/IEC 17025, a UKAS accredited laboratory number 4025
- Genetically defined and inbred lines of animals, collections of arthropod vectors and a range of well characterised virus stocks
- Production and engineering of recombinant antibodies for veterinary research
- Multidisciplinary immunological research to enable detailed understanding of recognition and control of viral infection by the natural host
- Facilities for infection of vectors with viruses
- Next generation sequencing and in vitro bioimaging in high containment
- High containment engineering and health, safety and biosafety expertise

OUR KEY STAKEHOLDERS ARE:

- Biotechnology and Biological Sciences Research Council (BBSRC), part of UK Research and Innovation (UKRI)
- UK Department for Environment, Food and Rural Affairs (Defra)
- Other UK research funding agencies
- International funding and disease control agencies, such as the World Organisation for Animal Health (OIE), Food and Agriculture Organization of the United Nations (FAO), World Health Organization (WHO), the European Commission, and Bill & Melinda Gates Foundation
- Veterinary vaccine manufacturers and animal breeding companies
- Farmers and livestock keepers