

Hewson is Professor in Molecular Virology at the London School of Hygiene and Tropical Medicine, Faculty Infectious & Tropical Diseases. He is involved in teaching programmes in Molecular Virology, Medical Microbiology and Emerging Virus research. As the Scientific a Leader for Viral Haemorrhagic fevers & Arboviruses at UKHSA Porton Down, he also heads the WHO Collaborating Centre for Virus Research & Reference (Special Pathogens). His research is primarily focused on public health aspects of virology, pathogenesis and new and emerging disease. It supports basic and translational research, high containment virology, capacity building and education programmes in New and Emerging / Zoonotic Infections. This involves *in vivo* and *in vitro* capability with highly pathogenic viruses at high containment as well as global surveillance and capacity-building initiatives targeting emerging and zoonotic infections across continents including the Americas, Africa, and Asia. His recent contributions include the development of genomic sequencing approaches for CCHFV and LASV, advanced point-of-care assays for arbovirus pathogens, the discovery and characterisation of Hantavirus and Tick Borne Encephalitis Virus in the UK, and developing efficacious vaccines against Lassa Fever and Crimean-Congo Haemorrhagic Fever.

Additionally, Hewson holds honorary and adjunct academic appointments at Liverpool School of Tropical Medicine; The Institute of Virology, Manipal University; The Institute of Virology, Ministry of Health, Tajikistan and Oxford Brookes University. He works closely with colleagues at the University of Leeds and is affiliated to the UK's Health Protection Research Unit for Emerging and Zoonotic Infections - a strategic partnership between the University of Liverpool, the Liverpool School of Tropical Medicine, the University of Oxford and the UKHSA, where he is Research Theme Leader for vector borne pathogens. He is an elected member of the Scientific Advisory Committee on Genetic Modification and frequently contributes to the Advisory Committee on Dangerous Pathogens (ACDP) and Human Animal Infections and Risk Surveillance (HAIRS) government committees.