

## **Dr Neil Ferguson – Transmission dynamics and control of COVID-19: What have we learned so far?**

ACoP11 Keynote Address – Tuesday 10<sup>th</sup> Nov 2020, 11 AM Eastern Standard Time



Dr Neil Ferguson is the founding director of the MRC Centre for Global Infectious Disease Analysis at Imperial College London. He also heads the NIHR Health Protection Research Unit for Modelling and Health Economics and the Jameel Institute for Disease and Emergency Analytics (J-IDEA). He is an international member of the US National Academy of Medicine and a fellow of the UK Academy of Medical Sciences.

Neil uses mathematical and statistical models to investigate the processes shaping infectious disease pathogenesis, evolution and transmission.

He is best known for the real-time modelling of emerging infectious disease outbreaks, having worked on the transmission dynamics and control of SARS, avian (H5N1) and pandemic (H1N1) influenza, MERS-coronavirus, Ebola, Zika and now COVID-19. His other major research interest is in vector-borne diseases – he has worked on dengue throughout his career and more recently has expanded his research to include Yellow fever, Zika and malaria.

Neil has always worked at the interface of science and policy, and advises governments, the World Health Organisation and multiple other bodies on emerging infections and infectious disease epidemiology and modelling.