

Seminar Announcement

Understanding why people live or die when they are infected with Ebola virus: Using high resolution approaches to analyse samples from patients and cells.

Date: 07 April 2016 (Thursday)

Time: 12:30pm to 1:30pm

Venue: SBS-01n-24 Classroom 4

Host: A/Prof Julien Lescar



Speaker: Prof. Julian A. Hiscox

Chair in Infection and Global Health
Institute of Infection and Global Health
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Abstract

The recent Ebola virus (EBOV) outbreak in West Africa has devastated regional infrastructure and has only recently been brought under control, although sporadic cases continue to occur. The scale of the outbreak has provided an unprecedented glimpse into the biology of the virus. Using high resolution approaches including RNA sequencing and quantitative proteomics we have been studying the new strain variant of EBOV called Makona. This has particularly focused on patients with acute EBOV disease and why some patients survive and others have a fatal infection. Our data indicates that both viral genetics, co-infections and host cell variation contribute to the outcome of infection.

Prof. Julian A. Hiscox is Chair in Infection and Global Health. He has a BSc in Genetics from University College London (1991) and a PhD in Virology from the University of Reading/Institute for Animal Health (1994). Prior to moving to Liverpool in 2012 he held academic positions at the University of Leeds (2003-2012) and the University of Reading (1999-2003). He did post-doctoral work at the University of Alabama at Birmingham and the Institute for Animal Health (now the Pirbright Institute). He is also a Professor at Northwest A&F University, China.