



Infectious
Diseases Labs

ID LABS



Dr Laura Martin-Sancho

Assistant Professor
Imperial College London



Thursday 7th November 2024

4:30 PM to 5:30 PM (SGT)

Venue: Cistron A & B, Matrix Level 5



Registration required for Zoom meeting link. Please click [here](#) or scan QR code to register.

Using systems approaches to understand dengue pathogenesis and control

Dengue virus is the most prevalent mosquito-borne human virus, yet our understanding of the front-line host defences that control the initial waves of dengue infection remains limited. Through a systems virology approach, my lab has uncovered a diverse array of antiviral proteins that inhibit dengue replication and/or spread. In this talk, I will discuss our ongoing efforts to characterize these proteins and will highlight their potential as biomarkers for predicting severe disease outcomes, their role as barriers to interspecies transmission, and their promise as novel targets for urgently needed antiviral therapies.

Dr Laura Martin-Sancho is an Assistant Professor at Imperial College London. As part of her training, she received a PhD in Molecular virology from the Max Planck Institute for Infection Biology in Germany and pursued a postdoctoral training in Systems Biology at the Scripps Research Institute in the USA. Her primary research interests are understanding virus-host interactions that underlie pathogenesis of emergent viruses, with a major focus on dengue and other mosquito-transmitted viruses.

Hosted by: Dr Fong Siew Wai

Seminar is open to all. Registration required for Zoom link.

Questions? Contact us at seminars@idlabs.a-star.edu.sg

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