



Infectious Diseases Research Institute Webinar Series

The Interplay between Dengue Morphological Diversity and Antibody Recognition

Thursday, 12 November 2020

Via Zoom

01:00 - 02:00 PM

The talk will showcase extensive studies done to examine the different morphologies displayed by various DENV strains and also discuss how highly potent human antibodies can neutralize all or some of the morphological variants of four DENV serotypes.



Click [here](#) to register

CME Points will be
awarded subject to SMC
event approval.

Speaker Details



Shee-Mei Lok

Professor, Prog. in Emerging Infectious Diseases, Duke-NUS Medical School

- Ph.D. (X-ray Crystallography) from National University of Singapore/ Institute of Molecular and Cell Biology, Singapore 2005
- A structural virologist specializing in x-ray crystallography and cryo-electron microscopy
- Has made significant discoveries in the understanding of the structures of Zika and Dengue viruses, the morphological variants of Dengue viruses, structural changes of flavivirus during maturation and neutralization of flaviviruses by potent human antibodies.
- **Research Expertise:**
 - Pathology of Dengue virus infection and the mechanism of neutralization by antibodies and other molecules
 - Vaccines and therapeutics development