

## THE DYNAMIC STRUCTURES OF DENGUE VIRUS

ABOUT THE LECTURE

Dengue virus is a major human pathogen, it infects approximately 400 million people each year worldwide. The virus is spread to humans via infected mosquitoes. The virus particle is made up of only 3 proteins and they exhibit tremendous structural flexibility. Here we will describe the structural changes of the surface proteins of dengue virus in different hosts and at different stages of infection in the cell.

**Speaker:** **Dr Shee-Mei LOK**

*Asst Professor, Emerging Infectious Diseases Program,  
Duke-NUS Graduate Medical School*

**Host:** **Prof Wang Linfa**

*Program Director, Emerging Infectious Diseases Program  
Duke-NUS Graduate Medical School*

**Date:** Tuesday, 22 April 2014

**Time:** 12.00 PM — 1.00 PM

(Light refreshments will be served at 11.30 AM)

**Venue:** Duke-NUS Graduate Medical School  
Amphitheatre, Level 2

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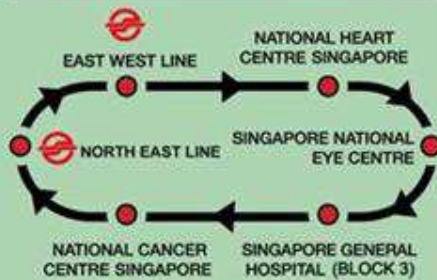
ABOUT THE SPEAKER

Dr Shee-Mei Lok is an Assistant Professor in the Emerging Infectious program in Duke-NUS. She is a structural virologist specializing in x-ray crystallography and cryo-electron microscopy. Her research interest focus on the structural changes of dengue virus during its infection cycle and the effect of anti-viral therapeutics on virus particle. She obtained her Msc and PhD in NUS. She did her post-doctoral training in Purdue University under the supervision of Prof Michael Rossmann.





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