

# Seminar

## Pathogen Genomics in Public Health



**Speaker: A/Prof Efrem Lim**

**Associate Professor**, School of Life Sciences, Arizona State University

**Host: Prof Wang Linfa**

**Executive Director**, PREPARE

### Speaker Bio

Dr. Efrem Lim is an Associate Professor in the School of Life Sciences at Arizona State University (ASU). He is a virologist who studies the human virome in health and disease, and he heads the ASU's Center for Viral Genomics, the sequencing laboratory responsible for genomic sequencing surveillance of SARS-CoV-2 variants for the state of Arizona (population of 7.2 million people). His lab has sequenced more than 100,000 COVID-19 specimens and is one of the fastest in the world in SARS-CoV-2 sequencing turn-around. Dr. Lim continues to leverage genomic sequencing and bioinformatics for surveillance, preparedness and response to infections in clinical and public health.

### Talk Abstract

Pathogen genomics is a powerful tool for surveillance, control and response to infections of public health importance. By integrating genomic sequencing and bioinformatics, genomic epidemiology can reveal insights into pathogen transmission patterns, and this can play a central role in the development of therapeutics and vaccines. A/Prof Lim will share about the establishment of the SARS-CoV-2 genomic surveillance network in Arizona, USA, which leverages clinical and wastewater sequencing to track SARS-CoV-2 community spread, and how this has expanded into other respiratory infections, enteric diseases and pathogens of high public health risk.

### Who Should Attend

This event is open to all interested in learning about pathogen genomics and its role in public health systems.

### Registration Methods

1. Register for the seminar via the link:  
<https://for.sg/prepareseminar-jul23>
2. Scan the QR code to access the link:



For any queries, please email [PREPARE@ncid.sg](mailto:PREPARE@ncid.sg).

**31 July 2023 | Monday | 12.15pm – 1.15pm**  
**L2-001, Ng Teng Fong Centre for Healthcare Innovation (CHI)**

Organised by Programme for Research in Epidemic Preparedness And Response (PREPARE)

## Seminar Pathogen Genomics in Public Health

### Seminar venue:

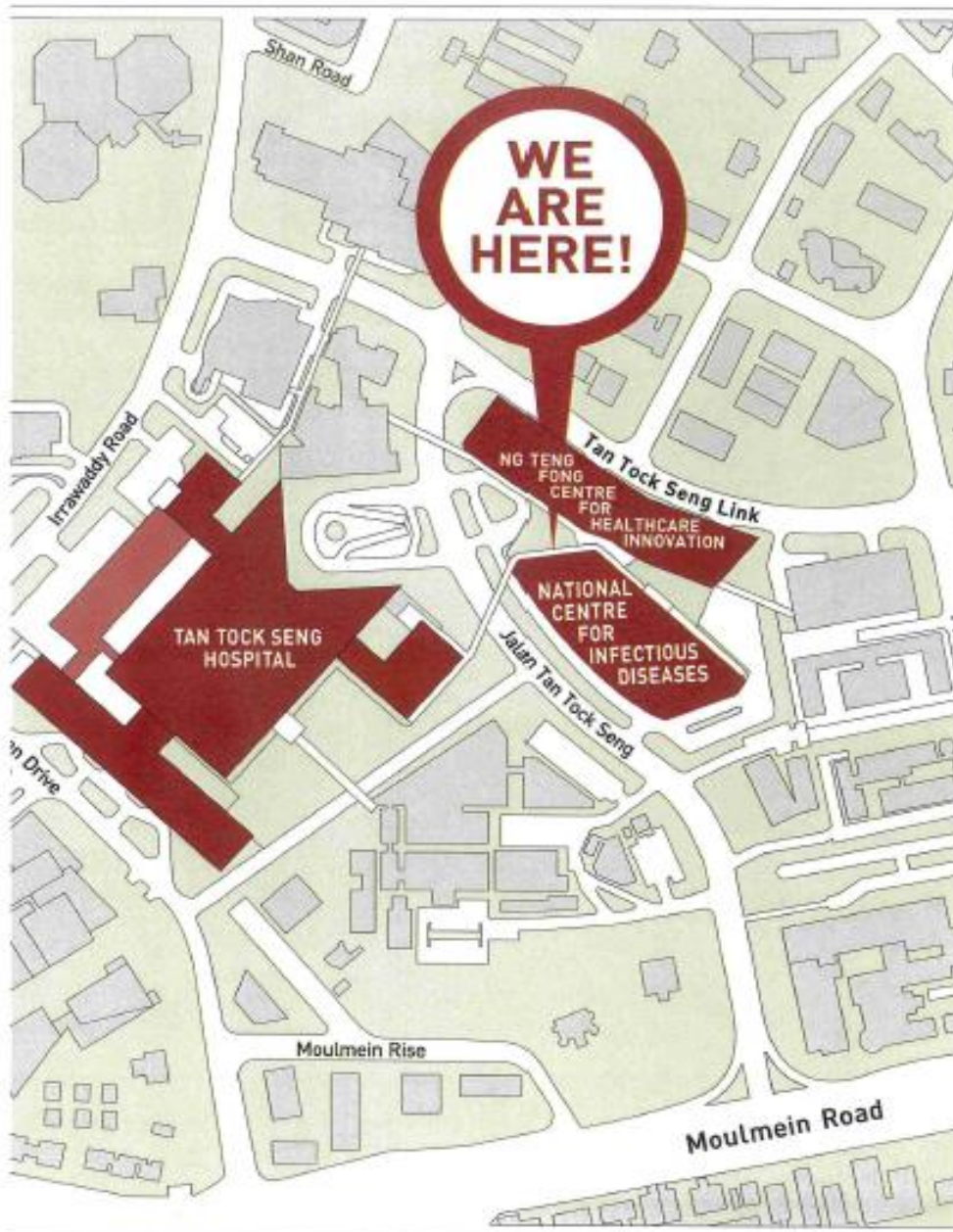


Level 2, Learning Room L2-001

Ng Teng Fong Centre for Healthcare Innovation (CHI)

18 Jalan Tan Tock Seng

Singapore 308443



### Map & Directions:

Please head towards Centre for Healthcare Innovation, Lift Lobby A and take the lifts to Level 2.

If you are driving to NCID, you may park at Basement 3 (public carpark) and take the lifts at Lobby A to Level 2.

### Contact:

[PREPARE@ncid.sg](mailto:PREPARE@ncid.sg)

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