

Infectious Diseases Research Institute Seminar Series

(Jointly organised by EID Prog. Duke-NUS & Dept. of Infectious Diseases, SGH/SIDC)

Influenza and SARS-CoV-2: from virus evolution to vaccine design

In this talk Asst. Prof. Nicholas will cover three major research questions : 1) What are the constraints of virus evolution? 2) Can we predict antibody specificity? and 3) Can we improve the quality and speed of vaccine design? Asst. Prof. Wu's lab addresses these questions in the context of influenza virus and SARS-CoV-2.

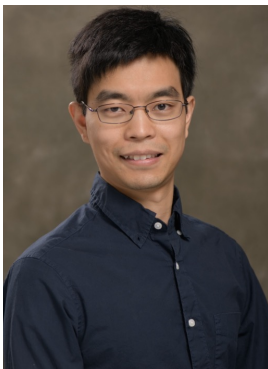
Tuesday, 08 August 2023

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

04:00 PM - 05:00 PM

*No registration is required. CME Points
will be awarded subject to SMC event
approval.*

Speaker Details



Nicholas C. Wu

Assistant Professor,

Biochemistry, University of Illinois Urbana-Champaign, USA.

- Ph.D. : Molecular Biology, University of California, Los Angeles (UCLA), USA : 2015
- Asst. Professor : Dept. of Biochemistry, UIUC : 2020- to date
- Adj. Asst. Professor : The Scripps Research Institute : 2021- to date

Research Interests

- Infectious Diseases (influenza virus, SARS-CoV-2), Immunology, Molecular evolution and Bioinformatics.
- Molecular virology, Protein biochemistry and structure (x-ray crystallography, cryo-EM), Next-Generation Sequencing, High-throughput assays, and Machine learning.