NUS
National University of Singapore

Infectious Diseases Translational
Research Programme
Yong Loo Lin School of Medicine

Research Seminar

DECIPHERING Antibody Sequences

DEPARTMENT OF BIOCHEMISTRY
CARLE ILLINOIS COLLEGE OF MEDICINE INFECTIOUS
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

ASSISTANT PROFESSOR, DR NICHOLAS WU

CHAIRPERSON: ASSOCIATE PROFESSOR, SYLVIE ALONSO

12 P.M. TO 1 P.M.

11 MARCH

MD4, SEMINAR ROOM

Abstract :

Advances in antibody repertoire sequencing allow for the rapid discovery of many antibody sequences. However, identifying the specificity of these antibodies remains a slow and challenging process, leaving their specificities mostly unknown. This talk will explore the potential to predict antibody targets based on sequences and discuss why this challenge is considered addressable.

Biography :

Dr Wu is an Assistant Professor of Biochemistry at the University of Illinois Urbana-Champaign. Dr. Wu received his BSc in Biochemistry from the University of Virginia in 2010 and his PhD in Molecular Biology from UCLA in 2015. After his graduate studies, Dr Wu completed his postdoctoral training at Scripps Research as a Croucher Fellow before starting his own lab in 2020. Dr Wu's research, which mainly focuses on virus evolution and antibody response, has been recognized by multiple awards, including NIH New Innovator Award, Michelson Prize, Searle Scholar Award, and Vallee Scholar Award.

All are welcome!