



Infectious
Diseases Labs

A*STAR IDL



Prof Nicholas Thomson

Head of Parasites and Microbes Programme and Group Leader
Wellcome Sanger Institute, United Kingdom



Tuesday, 18th Nov 2025

11:00 AM to 12:00 PM (SGT)

Venue: Codon A & B, Matrix Level 5

Through the Lens of Genomics: Cholera its spread and continued evolution

Professor Nicholas Thomson (Nick) is a globally recognised expert in microbial genomics, with over two decades of experience advancing the understanding of bacterial evolution, pathogenesis, and antimicrobial resistance. As a senior leader at the Wellcome Sanger Institute and Professor of Bacterial Genomics at the London School of Hygiene & Tropical Medicine, Nick has played a pivotal role in shaping the UK's genomic surveillance landscape and applying genomics to public health challenges globally.

Throughout his career, Nick has led multidisciplinary teams at the intersection of genomics, microbiology, and data science, overseeing large-scale research programmes and collaborations with international health organisations and academic institutions. His work has contributed to major advances in the genomic epidemiology of pathogens such as *Vibrio cholerae*, *Escherichia coli*, *Shigella*, *Salmonella*, *Chlamydia*, *Klebsiella* and *Treponema* directly informing basic science, global control efforts and policy.

Nick brings a deep understanding of the scientific missions of leading research organisations in the UK as well as a deep experience of working with and advising leading public health and research institutes across Africa, South and Southeast Asia. He has a commitment to research excellence, and a strong track record in collaborative leadership. He is passionate about fostering scientific innovation while promoting diversity, openness, and responsible data use across our research ecosystem.

Hosted by: Prof Stephen Baker

Seminar is open to all. No registration required.

Questions? Contact us at seminars@idlabs.a-star.edu.sg

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