



Infectious
Diseases Labs

A*STAR IDL



Associate Prof Helder Nakaya

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University of São Paulo, Brazil

Head of Computational Systems Biology Laboratory



Monday 11 May 2026

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

Venue: Codon A & B, Matrix Level 5

From Cells to Context: Spatial Transcriptomics in the Study of Disease Mechanisms

Assoc Prof Helder Nakaya is a senior researcher at Hospital Israelita Albert Einstein and Professor at the University of São Paulo (USP), internationally recognized for pioneering systems vaccinology, which integrates immunology, genomics, and data science to understand vaccine responses. He has published over 200 papers in high-impact journals, including Nature, Science, Cell, and PNAS. Nakaya leads the Computational Systems Biology Laboratory (CSBL, csbiology.org), developing AI-driven tools for immunology, precision medicine, and digital epidemiology. His work bridges molecular and population health, advancing predictive and personalized approaches to vaccines and immune-mediated diseases.

Hosted by: Dr Matthew Tay

Seminar is open to all. No registration required.

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

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