



Infectious
Diseases Labs

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Dr Janice Goh

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Tuesday 26 September 2023
11:00am to 12:00pm (SGT)

Venue: Cistron A & B Matrix L5

Translational predictions of Phase 2a first in human trials for tuberculosis drugs using preclinical in vivo and in vitro data

Phase 2a trials in tuberculosis typically use early bactericidal activity (EBA), the decline in sputum colony forming units (CFU) over 14 days, as the primary endpoint for testing the efficacy of drugs as monotherapy. However, the cost of phase 2a trials can range from 7 to 19.6 million dollars on average, while more than 30% of drugs fail to progress to phase 3. Better utilizing preclinical data to predict and prioritize the most likely drugs to succeed will thus help accelerate drug development and reduce costs. In this talk, I will show how we can predict clinical EBA using preclinical in vitro and in vivo pharmacokinetic-pharmacodynamic (PKPD) data via a model-based translational pharmacology approach.

Dr Janice graduated from NUS Pharmacy and is a registered pharmacist with the Singapore Pharmacy Council. She recently completed her PhD in the lab of Professor Rada Savic at the UCSF School of Pharmacy. Her work focuses on applying translational pharmacometrics tools to by capitalizing on preclinical data to predict clinical outcomes prior to actual trials.

Hosted by : Prof Lisa Ng

Webinar is open to all. No registration required

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

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