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生物醫藥技術國家重點實驗室
STATE KEY LABORATORY OF
PHARMACEUTICAL BIOTECHNOLOGY

THE UNIVERSITY OF HONG KONG
DEPARTMENT OF PHARMACOLOGY AND PHARMACY
STATE KEY LABORATORY OF PHARMACEUTICAL
BIOTECHNOLOGY

Shared molecular vulnerabilities of human cortical neurons in C9ORF72 Amyotrophic Lateral Sclerosis

With: **Dr. Jimmy Tze Hang LEE**
Postdoctoral Fellow & Senior Data Scientist,
Wellcome Sanger Institute, United Kingdom

**Monday
Dec 2, 2024**

11 AM

**Seminar Room 608, 6/F
William MW Mong
Block, 21 Sassoon Road**

Biography:

Dr. Jimmy Lee obtained his PhD at the University of Hong Kong. His doctoral research focused on utilizing high-throughput proteomics assays to identify molecular targets that regulate glucose and lipid metabolism in the fat-liver crosstalk. This work led to the discovery of a novel lipocalin, LCN14, in a diabetic mouse model.

Dr. Lee then made a significant career transition into bioinformatics. He joined the Wellcome Sanger Institute in the UK, where he worked with Dr. Martin Hemberg to develop SCfind, a computational platform for multi-omics single-cell data analysis as part of the Human Cell Atlas Project.

In 2021, he joined Dr. Omer Bayraktar's lab at the Wellcome Sanger Institute as a computational postdoctoral fellow and now serves as a Senior Data Scientist. His research lies at the intersection of machine learning, molecular biology, cellular neuroscience, genetics, and genomics. He focuses on advancing spatial genomics to enhance the understanding of human neurodevelopment and neurological diseases.

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