



**THE CHINESE UNIVERSITY OF HONG KONG
FACULTY OF MEDICINE
SCHOOL OF BIOMEDICAL SCIENCES**

SBS PI Seminar Series 2023-2024

Professor Billy Wai-Lung Ng

Assistant Professor

School of Pharmacy, Faculty of Medicine

The Chinese University of Hong Kong

will present a seminar entitled

***“Rethinking Small-Molecule Drug Discovery –
A Medicinal Chemist’s Perspective”***

Throughout history, nature has provided the foundation for many medicines. These natural solutions were later refined using rational drug design. Yet, a significant realm of potential treatments remains untapped, largely due to the limited diversity in our drug-screening libraries.

The Ng lab at the Faculty of Medicine, The Chinese University of Hong Kong, focuses on creating novel small molecules to tackle various human diseases. By integrating insights from both modern chemistry and biology, we are developing platforms to design more effective small-molecule therapeutics. A cornerstone of our strategy involves transforming readily available natural products, such as sugars, into intricate drug-screening libraries with rich information content. During this presentation, Prof. Ng will detail the recent endeavors using these versatile libraries for drug discovery, underscoring their potential in treating viral infections, cancers, and neurodegenerative diseases.

7 February 2024, Wednesday, 4:00 pm – 5:00 pm

Room G02, Lo Kwee-Seong Integrated Biomedical Sciences Building,
Area 39, The Chinese University of Hong Kong