



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

SBS PI Seminar Series 2023-2024

Prof. POON Ngar Yun Ellen

Assistant Professor

School of Biomedical Sciences

Faculty of Medicine, The Chinese University of Hong Kong

will present a seminar entitled

“Applying mitochondria-rich human pluripotent stem cell derived cardiomyocytes to investigate cardiac diseases”

Human pluripotent stem cell-derived (hPSC) cardiomyocytes are of significant value to cardiac disease modelling and drug testing. However, their uses are limited by the immaturity of hPSC-cardiomyocytes and their inability to fully recapitulate the (patho)physiological attributes of adult cardiomyocytes. In this seminar, I will present updates on our recent work to generate mature cardiomyocytes from patient-specific hPSCs and how mature cardiomyocytes may be applied for studies of cardiotoxicity and COVID-19.

17 August 2023, Thursday, 4:00 – 5:00 pm

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