



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

**SBS PI Seminar Series 2023-2024**

**Prof. FOK Kin Lam Ellis**

Assistant Professor

School of Biomedical Sciences

Faculty of Medicine, The Chinese University of Hong Kong

will present a seminar entitled

***“Extracellular vesicles - the messenger for germline stem cell and the inheritable paternal epigenome”***

Extracellular vesicles (EVs) are crucial mediators of intercellular communication, playing vital roles in various physiological processes. In the male reproductive tract, EVs are abundantly present in seminal plasma and have been shown to be released by the epididymis, prostate, and testicular cells. While much research has been conducted on the roles of epididymal and prostatic EVs in sperm maturation, recent studies have revealed exciting new insights into the functions of EVs derived from testicular cells in regulating normal spermatogenesis.

In this talk, we will delve into two ongoing research projects aimed at exploring the roles of testicular EVs in regulating the self-renewal of spermatogonial stem cells and shaping the inheritable sperm epigenome. These projects aim to shed light on the mechanisms underlying sperm production and may pave the way for the development of novel interventions for reproductive health in men.

**3 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