



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

**SBS PI Seminar Series 2023-2024**

**Prof. CHEN Yangchao**

Professor

School of Biomedical Sciences

Faculty of Medicine, The Chinese University of Hong Kong

will present a seminar entitled

**“Exploration of novel gene regulation mechanisms of circular RNAs in cancer”**

Circular RNAs are a class of non-coding RNAs which is featured by the covalently end joining of the 3' end of the RNA transcript back to its 5' end to form a circular structure. CircRNAs are well implicated in various diseases including cancer. We and others previously demonstrated that circRNAs heavily contributed to pancreatic cancer progression. However, the mechanism underlying their important roles remains largely unexplored. Emerging evidence demonstrates that many circRNAs have lower abundance than microRNAs, suggesting that microRNA sponge which is the first identified mechanism of circRNAs may not be the major role of circRNAs. Therefore, we attempt to explore the novel and important mechanistic roles of circRNAs in cancer. In this presentation, our recent work on the exploration of novel gene regulation mechanism of circRNAs in cancer will be discussed.

**22 February 2024, Thursday, 4:00 pm– 5:00 pm**

Room G02, Lo Kwee-Seong Integrated Biomedical Sciences Building,

Area 39, The Chinese University of Hong Kong