

INFLAMMATORY DISEASES

Research Progress Summary

Professor Erik Fung joined the Faculty of Medicine, The Chinese University of Hong Kong in October 2016. Currently, he is establishing and developing the Laboratory for Heart Failure and Circulation Research at the Li Ka Shing Institute of Health Sciences to conduct translational research. In addition, he is also establishing the Shatin Advanced Heart Failure REgistry (SAHFIRE), with which to conduct prospective observational longitudinal studies on multimodal biosignatures to forecast heart failure decompensation episodes. The Registry will be coupled with the Biobank, a repository for specimens including blood, urine and other samples, together with the Bioresource, a database management system.

Apart from that, Prof. Erik Fung is working with Prof. Hui-yao Lan to establish a mouse model for cardiomyopathy and heart failure. The animal model will induce cardiomyopathy and heart failure with / without chronic infusion of angiotensin, and therefore determine if genetic knockout of specific genes and molecular inhibitors can attenuate or reverse the cardiac insult.



Principal Investigator

Professor Erik Fung

Team

Laboratory for Heart Failure and Circulation Research

Impact of frailty on mortality and hospitalisation in patients with chronic heart failure



Impact of frailty on mortality and hospitalisation in patients with chronic heart failure: opportunities for translational and experimental pre-clinical research

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