



**HKU  
Med**

**LKS Faculty of Medicine  
Department of Pharmacology  
& Pharmacy  
香港大學藥理及藥劑學系**

# Spatiotemporal regulation of intracellular cyclic nucleotide signaling in myocytes and neurons: Implications in heart failure and Alzheimer's disease

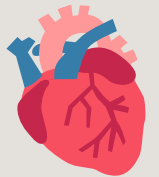
## Prof. Kevin Xiang

Professor, Department of Pharmacology,  
University of California at Davis



**Mar 28, 2023 (Tuesday)**

**3:00 – 4:00 PM**



**Lecture Theatre 1, G/F William  
MW Mong Block, LKS Faculty  
of Medicine, HKU**

### Bio

Prof. Xiang's research focuses on membrane receptor signaling pathways (GPCRs, RTKs, and cytokine receptors) and downstream signaling molecules, including phosphatases, phosphodiesterases, kinases, and their roles in cardiac and brain diseases. He applies multidisciplinary cutting edge molecular, cellular, electrophysiological, and behavioral methods, including single molecular SiMPull analysis, FRET and FLIM analysis, superresolution microscopy, and single Ca<sup>2+</sup> channel recording. Many of his peer-reviewed publications are in journals that demand highly comprehensive studies (Circulation Research, Circulation, Cell, PNAS, Nature, Science, Nature Communication, Elife, etc.). He was awarded an AHA Established Investigator award in 2010 and VA Career Scientist Award in 2021. He has established a globally leading research program and has established an international network of productive collaborations with other investigators.



+852 3917 9123



esther09@hku.hk



Department of Pharmacology and Pharmacy