City University of Hong Kong

Department of Biomedical Sciences

presents a seminar on

The role of the motor protein KIF5B and the scaffolding protein JLP in proteasomal degradation of the oncoprotein c-MYC

Dr Clement M. Lee
Department of Oncological Sciences
Icahn School of Medicine at Mount Sinai
USA

Date: 15 October 2014 (Wednesday)
Time: 3:00 pm – 4:00 pm
Venue: P4302, Purple Zone, 4/F Academic 1,
City University of Hong Kong, Kowloon Tong

Abstract

In the seminar, you will learn that

1) the motor protein KIF5B transports the oncoprotein c-MYC for the proteasomal degradation in the cytoplasm;
2) the scaffolding protein JLP tethers KIF5B and c-MYC to form a ternary complex and the complex is involved in transporting c-MYC for the proteasomal degradation;
3) KIF5B determines the subcellular localization of the complex; and,
4) KIF5B and JLP regulate c-MYC degradation and c-MYC-mediated transformation.

About the Speaker

Dr Clement M. Lee got his PhD from Temple University in 1997. He discovered the scaffolding protein JLP as an associated protein for the oncogenic c-MYC/Max complex. He continues to dissect the functions of JLP, which is involved in cell signaling, intracellular trafficking and cell differentiation. His latest works focus on nucleocytoplasmic shuttling of JLP and the role of JLP and the motor protein Kinesin-1 in regulating the transport of c-MYC for proteasomal degradation.

Contact: Dr David Chiu (Tel: 3442-5781 / Email: kaychiu@cityu.edu.hk)

All are welcome