DUKE NUS
GRADUATE MEDICAL SCHOOL SINGAPORE

Signature Seminar Series

The role of sorting nexin 27 (SNX27) in endocytic recycling of cell surface proteins

ABOUT THE LECTURE

My lab has been studying proteins such as SNAREs in protein sorting/trafficking. Our study of Sorting Nexin 3 (SNX3) enabled us to discover that Phox (PX) domain is a novel motif for interacting with phosphoinositides (particularly PI3P). Among the 47 or so PX domain proteins, SNX27 is unique as it contains a PDZ domain. Studies from our lab and others suggest that SNX27 is a general sorting protein regulating recycling of many surface proteins containing C-terminal PDZ-binding motifs.

Speaker: **Prof. Hong WanJin**
Executive Director
Institute of Molecular and Cell Biology, A-STAR

Host: **Prof. Shirish Shenolikar**
Interim Director, Neuroscience & Behavioural Disorders Program
Professor, Cardiovascular & Metabolic Disorders Program
Duke-NUS Graduate Medical School

Date: Tuesday , 21 October 2014

Time: 12.00 PM — 1.00 PM
(Light refreshments will be served at 11.30 AM)

Venue: Duke-NUS Graduate Medical School
Amphitheatre, Level 2

Contact Person: Ms Cynthia Lim, Duke-NUS Research Affairs Department
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ABOUT THE SPEAKER

Wanjin Hong joined IMCB as a PI in 1989 and is currently a Professor and Executive Director. His research has identified many proteins such as tethering factors, GTPases, SNAREs and Sorting nexins involved in membrane trafficking. His recent work in Hippo pathway has defined the transcriptional co-activator TAZ as a novel oncogene and identified several new players in the Hippo pathway. His lab has published over 200 papers with about 10000 citations. He received National Science Award in 1999.