

**MODULATION OF LYSOSOMAL FUNCTION IN AUTOPHAGY
AND CELL STRESS RESPONSES**

ABOUT THE LECTURE

Autophagy is a self-digestive process in which the cellular components are delivered to lysosome for degradation. In this presentation, I will discuss some of our recent work related to (i) inhibitory effects of mTORC1 on lysosomal function in the course of autophagy, and (ii) regulatory role of caveolin-1 (a critical scaffolding protein in caveolae) and lipid rafts in lysosomal function and autophagy, and their implication in cell stress responses and possibly in breast cancer development.

Speaker: Dr. Shen Han-Ming

*Associate Professor, Department of Physiology
National University of Singapore*

Host: Dr. Mei Wang-Casey

*Assistant Professor, Cancer and Stem Cell Biology
Duke-NUS Graduate Medical School*

Date: Tuesday, 9 September 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**

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ABOUT THE SPEAKER

Dr. Shen Han-Ming is an Assoc Prof from Department of Physiology, NUS. He obtained Bachelor of Med and Master of Med from Zhejiang Med University, China and PhD from NUS. The focuses of his lab include (1) autophagy-lysosome in cancer cell biology, and (2) mechanisms of cell death (apoptotic and necrotic cell death). Up to date, he has published more than 130 peer-reviewed journal articles, with an H-index at 48. He is the Member of the Editorial Board of Autophagy and academic editor of PLOS ONE.

