

ASYMMETRIC CELL DIVISION AND TUMORIGENESIS IN DROSOPHILA

ABOUT THE LECTURE

We and others have established *Drosophila* neuroblast as a new model for stem cell self-renewal and tumor formation. In the past few years, we have isolated several novel brain tumor suppressor-like proteins in *Drosophila*. I will present the molecular mechanisms underlying their phenotypes in the brain. I will focus on brain tumors that are caused by asymmetric division defects in neural stem cells. These mechanisms may be broadly applied to mammalian neural stem cell lineages.

Speaker: **Dr Hongyan WANG**

*Asst Professor of Neuroscience & Behavioural Disorders Program,
Duke-NUS Graduate Medical School
Asst Professor of Dept of Physiology, National University of Singapore*

Host: **Prof Shirish Shenolikar**

*Interim Director, Neuroscience & Behavioural Disorders Program
Professor, Cardiovascular and Metabolic Disorders Program
Duke-NUS Graduate Medical School*

Date: Tuesday, 28 January 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

Tel: 6601 2275 or Email: cynthia.lim@duke-nus.edu.sg

ABOUT THE SPEAKER

Dr. Hongyan Wang received her PhD from Temasek Life Sciences Laboratory, Singapore in 2004. She then joined Prof. William Chia's laboratory at the same institution as a Research Fellow and focused on establishing *Drosophila* neural stem cell as a new model for tumor formation. She joined Duke-NUS Graduate Medical School Singapore as an Assistant Professor in late 2007. She is a recipient of Singapore Young Scientist Award in 2008 and National Research Foundation (NRF) fellow in 2009.



