

# CSCB Virtual Seminar Series

## Modeling neurodevelopmental disorders in flies.

**Date:** 15<sup>th</sup> March 2021 (Monday)

**Time:** 12noon-1pm (SGT)

**Venue:** *via Zoom*

For details, please contact:

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### Abstract:

Neural stem cells (NSCs) are crucial for the development, regeneration, and repair of the nervous system. The delicate balance between NSC proliferation and differentiation is crucial for the brain development. We and others are establishing *Drosophila* NSCs as a model system to elucidate the disease mechanisms underlying neurodevelopmental disorders. Currently, we are interested in addressing the following key questions: What are the molecular mechanisms underlying NSC lineage development? What are the intrinsic mechanisms underlying NSC reactivation? What are the molecular signatures of quiescent NSCs? What are the extrinsic signals “waking up” quiescent NSCs?



### Speaker:

#### **Professor Wang Hongyan**

Professor

Deputy Programme Director

Principal Investigator

Laboratory of Neural Stem Cells

Neuroscience and Behavioural Disorders, Duke-NUS Medical School

**Prof. Wang Hongyan** was among the first a few researchers who established *Drosophila* neuroblasts as a new model for studying stem cell self-renewal and brain tumor formation. She is an elected EMBO Associate Member (2020), recipient of the Singapore Young Scientist Award (2008), and the National Research Foundation (NRF) Research Fellowship (2009). She serves as Associate Editor of PLOS Genetics and Genetics, and the founding president of Society of Developmental Biologists Singapore.

### Host:

#### **Tang Hong-Wen**

Assistant Professor

Programme in Cancer & Stem Cell Biology

Duke-NUS Medical School

Singapore

**No registration is required.  
All are welcome.**