

Invited Speaker Seminar Series

Building the first heart

Abstract:

The heart vessel forms from two opposing lines of cells that meet at the embryo midline. We use *Drosophila* embryogenesis to explore how the first heart vessel is made. Utilising optogenetics, laser ablation and quantitative imaging, we dissect the mechanisms driving heart formation.



Biography:

Following a D. Phil. in theoretical physics from the University of Oxford, Dr Saunders did post-docs at the John Innes Centre and EMBL-Heidelberg. He started his own lab at the Mechanobiology Institute, Singapore in 2013, where he built up a research program exploring the mechanisms underlying the formation of complex organ shape. Dr Saunders' lab has moved to Warwick full-time in August 2021, where they will explore the biophysical and biochemical processes that shape the internal structures of organs.

Speaker:	Dr Timothy Saunders Associate Professor, Mechanobiology Institute National University of Singapore
Host:	Assoc Prof Hyunsoo Shawn Je Principal Investigator Neuroscience & Behavioural Disorders Programme, Duke-NUS
Date:	22 April 2022, Friday
Time:	4:00pm to 5:00pm
Zoom Detail:	Join Zoom Meeting https://nus-sg.zoom.us/j/83950379509?pwd=MnNITFhYZTZrSHICWkJXM0I2M3Jsdz09 Meeting ID: 839 5037 9509 Passcode: 791652
Contact Person:	Joyceline Ng (joyceline.ng@duke-nus.edu.sg) Neuroscience & Behavioural Disorders Programme, Duke-NUS

All are welcome. No registration is required.