Singapore Developmental Biology Club



Dr. Ray Dunn

Principal Investigator
Institute of Medical Biology, A*STAR

19 May 2015, Tuesday
Aspiration Theatrette, Level 2M, Matrix, Biopolis
5.30PM – 6.30PM

The PDZ domain protein Mutated in Colorectal Cancer (Mcc) is a novel effector of non-canonical WNT signaling

During vertebrate gastrulation, a complex set of mass cellular rearrangements shapes the embryonic body plan and appropriately positions the organ primordia. In zebrafish and *Xenopus*, convergence and extension (CE) movements simultaneously narrow the body axis mediolaterally and elongate it from head to tail. This process is governed by polarized cell behaviors that are coordinated by components of the non-canonical/ß-catenin-independent Wnt signaling pathway, including Wnt5b and the transmembrane planar cell polarity (PCP) protein Vangl2. However, the intracellular events downstream of Wnt/PCP signals are not fully understood. In my talk, I will introduce the evolutionarily-conserved PDZ-domain containing protein Mutated in Colorectal Cancer (Mcc) as an obligate intracellular effector of Wnt5b/Vangl2 signals during CE.

No registration required.
For more details on Singapore Developmental Biology Club,
please visit www.singaporedbc.blogspot.sg