

The first international symposium
jointly organized by JSDB and SDBS

Multi-scale Patterning in Development

May 30, 2022
Virtual symposium via online

Session	Time		Speaker	Affiliation	Title
	JPT	SGT			
Opening remark	9:55-10:00	8:55-9:00	Hongyan Wang	Duke NUS, Singapore	
Cellular patterning Chair: H. Wang	10:00-10:25	9:00-9:25	Fumio Motegi	Hokkaido Univ., Japan	Mechano-chemical feedback in embryonic patterning
	10:25-10:50	9:25-9:50	Hongyan Wang	Duke NUS, Singapore	Waking up "sleeping" neural stem cells
	10:50-11:15	9:50-10:15	Takafumi Ichikawa	Kyoto Univ., Japan	Tissue pattern emerging through cellular symmetry breaking and ordering
	11:15-11:25	10:15-10:25	10 min Tea break		
	11:25-11:50	10:25-10:50	Fengwei Yu	Temasek Lifesci. Lab., Singapore	Mechanisms of Dendrite Pruning of Nociceptive Sensory Neurons in <i>Drosophila</i>
Evo-devo phenotypic plasticity Chair: A. Monteiro	11:50-12:15	10:50-11:15	Teruyuki Niimi	NIBB, Japan	Towards the elucidation of the molecular mechanism of horn development in <i>Trypoxylus dichotomus</i>
	12:15-12:40	11:15-11:40	Denise Cheah	DBS, NUS, Singapore	How to build a sex tickler? The development & evolution of a novel abdominal appendage in male black scavenger flies
	12:40-13:30	11:40-12:30	50 min Lunch		
	13:30-13:55	12:30-12:55	Takayuki Suzuki	Nagoya Univ., Japan	Multi-scale analysis to understand positional diversity of the hindlimb in tetrapods
	13:55-14:20	12:55-13:20	Suriya Murugesan	DBS, NUS, Singapore	Evolution of modular and pleiotropic enhancers
Technical & theoretical biology Chair: M. Kengaku	14:20-14:45	13:20-13:45	Yuchen Long	DBS, NUS, Singapore	The hydraulic control of plant growth and development
	14:45-14:55	13:45-13:55	10 min Tea break		
	14:55-15:20	13:55-14:20	Kyogo Kawaguchi	RIKEN, Japan	Properties of cell-cell interactions shaping multicellular dynamics
	15:20-15:45	14:20-14:45	Jun Nishiyama	Duke NUS, Singapore	Imaging protein localization, dynamics, and interactions in the brain
	15:45-16:10	14:45-15:10	Naoki Irie	The Univ. of Tokyo, Japan	Developmental bias toward evolutionary outcome
	16:10-16:20	15:10-15:20	10 min Tea break		
Morphogenetic patterning Chair: F. Motegi	16:20-16:45	15:20-15:45	Asako Shindo	Kumamoto Univ. Japan	Nutritional control of thyroid morphogenesis
	16:45-17:10	15:45-16:10	Yusuke Toyama	MBI and DBS, NUS, Singapore	Decoding the spatial pattern of apoptosis-induced compensatory proliferation
	17:10-17:35	16:10-16:35	Minako Ueda	Tohoku Univ., Japan	Live-cell imaging of body axis formation in plant embryos
	17:35-17:50	16:35-16:50	Tim Saunders	MBI and DBS, NUS, Singapore	Building skeletal muscle during zebrafish development
Closing remark	17:50-18:00	16:50-17:00	Fumio Motegi	Hokkaido Univ., Japan	