



Technical Parallel Session – Computation and Systems Biology (CSB)

Day 2: Thursday, 22 January 2009

Location: NUS Kent Ridge Guild House

Time	Programme Schedule
Morning Session: CSB Approaches to Tissue Biology and Therapy Chair: Wu Yingting Alice	
9:00 am – 10:00 am	Keynote Speaker: Steve LI, Arsenal Capital Partners <i>Career Development and Transformation</i>
10:00 am – 10:20 am	Wang Zheng Yuan <i>Characterization of the Regional Differences of the Intestine of Zebrafish (Danio rerio)</i>
10:20 am – 10:40 am	Venkatraman Lakshmi <i>Ultrasensitivity in Urokinase-Mediated Plasmin Activation</i>
10:40 am – 11:00 am	Zheng Baixue <i>Image-based Multi-dimensional and Multi-variate Profiling System of Anti-fibrotic Compounds</i>
11:00 am – 11:20 am	Xu Shuoyu <i>An Automated Two-channel Morphology-based Quantification System for Liver Fibrosis Assessment with Second Harmonic Generation Microscopy</i>
11:20 am – 11:40 am	Wang Junjie <i>A Quantitative Model of TGF-β Signaling Pathway Reveals Distinct Roles of Dephosphorylation and Degradation in Negatively Controlling the Signal</i>
11:40 am – 12:00 pm	Chua Huey Eng <i>Ischemia / Reperfusion Injury Network in Heart and Liver</i>
12.30 – 1.30 pm	Lunch
Afternoon Session 1: Cell Differentiation and Dynamics Chair: Wang Zheng Yuan	
1:30 pm – 1:50 pm	Liu Yachao <i>Stromal Cells in Early Mouse Embryo</i>
1:50 pm – 2:10 pm	Le Thi Nguyet Minh <i>Systemic Discovery of microRNA Function in Neurogenesis</i>
2:10 pm – 2:30 pm	Fang Fang <i>Characterization of Embryonic Stem Cell-Specific Enhanceosome</i>
2:30 pm – 2:50 pm	Jayapal Senthil Raja <i>Study of Mammalian Terminal Erythroid Development Using In Vitro Cultured Mice Fetal Erythroblasts</i>
2:50 pm – 3:10 pm	Merlin Veronika Arokiamary James <i>Classification of Cell Morphologies Based on Kinetic Features</i>
3:10 pm – 3:40 pm	Break
Afternoon Session 2: Molecular interactions and measurement Chair: Li Yan	



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3:40 pm – 4:00 pm	Low Hooi Ping Diana <i>Dual role of GBP in Pathogen Detection and Infection-induced Interactome Formation</i>
4:00 pm – 4:20 pm	Tang Wai Teng <i>Surface Plasmon-Coupled Emission Microscopy</i>
4:20 pm – 4:40 pm	Balla Naveen Kumar <i>Discrete Dipole Approximation – From Linear to Non-linear Scattering by Gold Nanoparticles</i>
4:40 pm – 5:00 pm	Sankaran Jagadish <i>Imaging Total Internal Reflection – Fluorescence Cross-correlation Spectroscopy (ITIR-FCCS)</i>
5:00 pm – 5:15 pm	Closing remarks by Prof Paul MATSUDAIRA