

Mini-Workshop on Bio-System Instrumentation and Computation

Thursday, 19th June 2014
In BioSyM Conference Room 2
(In front of Bala's Office)

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|------------|---|
| 10:00 am | Min-Cheol Kim, BioSyM
"Filopodia Penetration Dynamics into Three Dimensional Extracellular Matrix Fiber Network" |
| 10:30 am | Michaëlle Mayalu, MIT
"Agent-Based Model of Collective Cell Migration in Reduced State Space" |
| 11:00 am | Meng-Meng Wang, NTU-BioSyM
"Cell Detection from Phase Contrast Images and the Alignment of Time-Lapse Phase Contrast Images and End-Point Confocal Images" |
| 11:30 am | Sharon Ong, BioSyM
"Segmentation and Tracking of Cell Nuclei from Confocal Image's Stacks Using 3D Non-Parametric Shape Priors" |
| 12:00 noon | Group Lunch at the U-Town Italian Restaurant |
| 1:00 pm | Vincent Chan, MIT
TBA |
| 1:30 pm | Yaron Silberberg, BioSyM
"Development of an Automated System for Selective Cell Harvesting in 3D Matrices" |
| 2:00 pm | Evan Tan, NUS-BioSyM
"The role of Exosome-Mediated Notch Signaling in Angiogenesis" |
| 2:30 pm | Sahan Herath, NUS-BioSyM
"Design and Characterization of an Electromagnetic Needle and its Effect on Angiogenesis" |
| 3:00 pm | Closing Remarks, Harry Asada |