

CryoEM workshop @ NUS

9-13 July 2012

Venue

Monday, 9 July 2012

8:30	Registration/Welcome reception		S1A, level 2 lobby
9:00	Image contrast theory	Wah Chiu	S1A, 02-17
10:30	Coffee break		S1A, level 2 lobby
11:00	Image processing basics	Steve Ludtke	S1A, 02-17
12:30	Lunch break		S1A, level 2 lobby
14:00	Practicals	Steve Ludtke	S1A, 04-06

Tuesday, 10 July 2012

9:00	Single particle reconstruction-I	Steve Ludtke	S1A, 02-17
10:30	Coffee break		S1A, level 2 lobby
11:00	Single particle reconstruction-II	Steve Ludtke	S1A, 02-17
12:30	Lunch break		S1A, level 2 lobby
14:00	Practicals	Steve Ludtke	S1A, 04-06

Wednesday, 11 July 2012

9:00	CryoET basics	Lu Gan	S1A, 02-17
10:30	Coffee break		S1A, level 2 lobby
11:00	Post-tomographic single particle averaging	Michael Schmid	S1A, 02-17
12:30	Lunch break		S1A, level 2 lobby
14:00	Practicals	Michael Schmid	S1A, 04-06

Thursday, 12 July 2012

9:00	Visualization I	Tom Goddard	S1A, 04-06
10:30	Coffee break		S1A, level 2 lobby
11:00	Visualization II	Tom Goddard	S1A, 04-06
12:30	Lunch break		S1A, level 2 lobby
14:00	Modelling	Wah Chiu	S1A, 02-17
16:00	Quiz (for students registered for MC)		S1A, 02-17

Friday, 13 July 2012 Minisymposium on latest EM technologies and biological applications

9:00	Recent Advances in Sample Preparation Techniques for Electron Microscopy	Ian Lamswood (Leica)	S1A, 02-17
9:30	Aberration corrected Zernike phase contrast TEM	Hirofumi Iijima (JEOL)	S1A, 02-17
10:00	Energy filtered cryo-electron tomography	Stephan Nickell (Zeiss)	S1A, 02-17
10:30	Coffee break		S1A, level 2 lobby

11:00	Latest experimental results from direct detection detector for biological EM	Liang Jin (Direct Electron)	S1A, 02-17
11:30	K2Summit	Christopher Booth (Gatan)	S1A, 02-17
12:00	Latest developments delivering improved time to new results for automated cryo-EM data collection workflow	Matthijn Vos (FEI)	S1A, 02-17
12:30	Lunch break		S1A, level 2 lobby
14:00	Digital dissection of mitotic picoplankton by electron tomography	Lu Gan (NUS)	S1A, 02-17
14:40	Capture chromatin in ice	Sara Sandin (NTU)	S1A, 02-17
15:20	Dengue virus structures	Lok Sheemei (DUKE-NUS)	S1A, 02-17
16:00	CryoET of eukaryotic flagellum	Michael Schmid(BCM)	S1A, 02-17