Croucher Symposium in Advanced Imaging:
From Systems Biology to Single Cell & Single Molecule Analysis

Date: 7 August 2015

Venue: Cheung Kung Hai Lecture Theatre 4

Program	
8:30 – 8:45	**Registration**
8:45 – 9:00	**Welcome address:** **Mr. David Foster (Director), Croucher Foundation** **Prof. Peter Mathieson (President), The University of Hong Kong** **Prof. Suet Yi Leung (Associate Dean), LKS Faculty of Medicine, The University of Hong Kong** **Photo session: (Invited guests, Speakers, Organizing Committee)**
	Chairman : Shuk Han Cheng & Musa Mhlanga
9:00 – 09:30	**L1: Microscopes, movies and cells** **Tomas Kirchhausen** ***Harvard Medical School, USA***
9:30 – 9:55	**L2: Optical microscopy for 21st century life scientists** **Michael Loy** ***Hong Kong University of Science & Technology, HK***
9:55 – 10:25	**L3: Using Vaccinia virus to understand Arp2/3 driven actin polymerization** **Michael Way** ***The Francis Crick Institute, UK***
10:25 – 11:00	**Coffee Break**
	Chairman : Randy Poon & Michael Loy
11:00 – 11:30	**L4: Vacuolar rupture caused by invasive bacterial pathogens- causes and consequences** **Jost Enninga** ***Institut Pasteur, France***
11:30 – 12:00	**L5: Applications of light sheet microscopy in biology** **Peter Gabriel Pitrone** ***Max Planck Institute of Molecular Cell Biology and Genetics, Germany***
	Chairman: George Tsao & Roberto Bruzzone & Musa Mhlanga
12:15– 14:00	**Lunch & Advanced Imaging Platform presentation (Sandwich & drinks provided)** **Sponsored by Carl Zeiss, NBI, PerkinElmer and Coherent** *(Please see page 10 for titles of lunch presentation)*
	Chairman: Chenghan Yu & Jade Shi
14:00 – 14:30	**L6: Mechanisms of cell invasion** **Gareth Jones** ***King's College London, UK***
14:30 – 14:55	**L7: Adhesion transformation, integrin signaling, and endocytosis in the absent of matrix force** **Chenghan Yu** ***The University of Hong Kong, HK***
14:55 – 15:25	**L8: Bayesian analysis of localization microscopy reveals nanoscale podosome dynamics** **Susan Cox** ***King's College London, UK***
15:25 – 16:00	**Coffee Break**
	Chairman: George Tsao & Roberto Bruzzone
16:00 – 16:25	**L9: Cytotoxic dynamics of Natural Killer cells at the single cell level** **Jade Shi** ***Hong Kong Baptist University, HK***
16:25 – 16:55	**L10: A high content single cell imaging method for the denovo identification of subcellular localizations of mRNAs and proteins** **Musa Mhlanga** ***University of Cape Town, South Africa & Institute for Molecular Medicine, Portugal***