# Croucher Symposium in Advanced Imaging:
## (From Systems Biology to Single Cell & Single Molecule Analysis)
### Single Molecule & Super-resolution Microscopy in Biomedical Research

**Date:** 25 August 2017  
**Venue:** Cheung Kung Hai Lecture Theatre 1

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<td>8:45 – 9:00</td>
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| 9:00 – 9:15| 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) |
| 9:15 – 09:45| L1: Cellular imaging from molecules to organisms  
Tomas Kirchhausen  
*Harvard Medical School, USA* |
| 9:45 – 10:15| L2: Transcription factor dynamics during Drosophila development  
Pavel Tomancak  
*Max Planck Institute of Molecular Cell Biology and Genetics, Germany* |
| 10:15 – 10:45| L3: Optical single-cell imaging – How much faster and deeper can we go?  
Kelvin Tsia  
*The University of Hong Kong, Hong Kong* |
| 10:45 – 11:15| Coffee Break                                                           |
| 11:15 – 11:45| L4: Drug repurposing and phenotypic screening as fast response strategies against emerging arboviruses  
Lucio Freitas-Junior  
*Instituto Butantan, Brazil* |
| 11:45 – 12:15| L5: Computationally enhancing localization microscopy in 3D and time  
Christophe Zimmer  
*Institut Pasteur, France* |
| 12:15 – 13:30| Lunch                                                                |
| 13:30 – 14:00| L6: Higher-order genome architecture and lncRNAs permit robust transcription of immune genes  
Musa Mhlanga  
*University of Cape Town, South Africa* |
| 14:00 – 14:30| L7: Beyond the diffraction limit by light-sheet microscopy  
Bi-Chang Chen  
*Academia Sinica, Taiwan* |
| 14:30 – 15:00| L8: Understanding synapses through imaging  
Kwok-On Lai  
*The University of Hong Kong, Hong Kong* |
| 15:00 – 15:30| Coffee Break                                                           |
| 15:30 – 16:00| L9: Imaging life with the emerging microscopy frontiers at HHMI Janelia Research Campus  
Teng-Leong Chew  
*HHMI Janelia Research Campus, USA* |
| 16:00 – 16:30| L10: Nanoscale architecture of cadherin-based cell adhesions  
Pakorn Tony Kanchanawong  
*National University of Singapore, Singapore* |