

**City University of Hong Kong  
Institute for Advanced Study**

**IAS Workshop on Gene Dynamics and Chromosomes  
11 – 15 August 2016**

Venue: Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2],  
City University of Hong Kong

**Program**

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**Day 1: 11 August 2016 (Thursday)**

Time	Event
08:45 – 09:30	Registration (outside Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2])
09:30 – 10:15	Opening Ceremony
10:15 – 11:15	<b>Ada YONATH</b> Species-specific Genetic Diversity in Susceptibility of Pathogens: Current Situation and Future Expectations
11:15 – 11:45	Tea Break
11:45 – 12:45	<b>Stephen SMALE</b> Emergence of Function ( <i>work with Indika RAJAPAKSE</i> )
12:45 – 15:00	Lunch#
15:00 – 16:00	<b>Gilbert OMENN</b> Dynamics of the ERBB2 Chromosome 17q12-21 Amplicon and Related Splice Isoforms in ERBB2+ Breast Cancers
17:00 – 19:00	Reception (City Top Staff Lounge, 9/F, Amenities Building)

**Day 2: 12 August 2016 (Friday)**

Time	Event
09:45 – 10:15	Registration (outside Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2])
10:15 – 10:30	Group Photo Session
10:30 – 11:30	<b>Peng LI</b> The Biology and Mechanism of Lipid Storage
11:30 – 12:00	Tea Break
12:00 – 13:00	<b>Peter FRASER</b> 3D Genome Dynamics
13:00 – 15:00	Lunch#
15:00 – 16:00	<b>Hanhui MA</b> CRISPR-Based Imaging of Genomic DNA Dynamics in Living Cells
16:00 – 16:30	Tea Break
16:30 – 17:30	<b>Christian MACEDONIA</b> What Is a “Gene” ...No Really, What Is a Gene?
18:00 – 21:00	Banquet ( <i>for invited guests only</i> )

# Not provided by the Organizer.

**Day 3: 13 August 2016 (Saturday)**

Time	Event
09:45 – 10:30	Registration (outside Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2])
10:30 – 11:30	<b>Christoph CREMER</b> Localization Microscopy of Nuclear Genome Nanostructure: Imaging the Epigenetic Landscape
11:30 – 12:00	Tea Break
12:00 – 13:00	<b>Thomas CREMER</b> 3D Nuclear Topography of Active and Inactive Regulatory Sequences Studied with Structured Illumination Microscopy
13:00 – 15:00	Lunch#
15:00 – 16:00	<b>Limsoon WONG</b> Enabling More Sophisticated Analysis of Proteomics Profiles

**Day 4: 14 August 2016 (Sunday)**

Time	Event
09:45 – 10:30	Registration (outside Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2])
10:30 – 11:30	<b>Peter COOK</b> Transcription Factories: Genome Organization and Gene Regulation
11:30 – 12:00	Tea Break
12:00 – 13:00	<b>G.V. SHIVASHANKAR</b> Nuclear Mechanics of Genome Reprogramming
13:00 – 15:00	Lunch#
15:00 – 16:00	<b>Serafim BATZOGLU</b> Personal Genomics and Computation

**Day 5: 15 August 2016 (Monday)**

Time	Event
09:45 – 10:30	Registration (outside Lecture Theatre 1503, 1/F, Li Dak Sum Yip Yio Chin Academic Building [Academic 2])
10:30 – 11:30	<b>Christophe ZIMMER</b> Imaging and Modeling Chromosome Architecture and Dynamics
11:30 – 12:00	Tea Break
12:00 – 13:00	<b>Indika RAJAPAKSE</b> Mathematics of Cellular Reprogramming ( <i>work with Stephen SMALE</i> )
13:00 – 15:00	Lunch#
15:00 – 16:00	<b>Shuai Cheng LI</b> Large Scale 3D Chromatin Reconstruction Form Chromosomal Contacts
16:00 – 16:30	Closing Remarks

# Not provided by the Organizer.