



3D Electron Microscopy of Organelles and Macromolecules



Date: 20 - 21 Jan, 2020

Venue: LT1, Yasumoto International Academic Park (YIA)

~ Invited Speakers ~



Benjamin David ENGEL

*Principle Investigator
Helmholtz Center Munich, Germany*

**Exploring Molecular Landscapes
Inside Cells with In-Situ Cryo-ET**



Wilson Chun Yu LAU

*Research Assistant Professor
The Chinese University of Hong Kong,
Hong Kong SAR*

**Structural Analyses of ATG9 and
Hsp21 by Cryo-EM**



Lu GAN

*Associate Professor of Biology
National University of Singapore, Singapore*

**Exploration of Eukaryotic Nuclei
In-Situ with Cryo-ET**



Ori AVINOAM

*Senior Scientist
Weizmann Institute of Science, Israel*

**Correlative Imaging across Scales to
Understand Membrane Remodeling
at the Cell Surface**



Philipp S. ERDMANN

*Subgroup Leader
Max-Planck Institute of Biochemistry,
Germany*

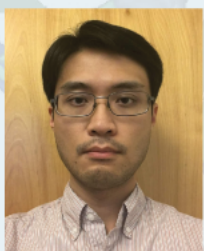
**From Autophagy to Pollen Tubes
– Harnessing the Full Potential of
In-Situ Cryo-ET**



Kiminori TOYOOKA

*Senior Technical Scientist
RIKEN Center for Sustainable Research Science
(CSRS), Japan*

**Development of Rapid and Accurate
CLEM System and Application for
Tissues and Cells of Plant and Animal**



Calvin Kam-Kit YIP

*Associate Professor
The University of British Columbia, Canada*

**Investigating the Structures and
Functions of Key Guardians of
Protein Homeostasis**



Byung-Ho KANG

*Associate Professor
The Chinese University of Hong Kong,
Hong Kong SAR*

**Electron Tomography of Plant
Organelles and the Outlook for
Correlative Microscopic Approaches**



Shang-Te Danny HSU

*Associate Research Fellow
Academia Sinica, Taiwan*

**Synergistic Use of CryoEM and
Mass Spectrometry to Study the
Structure of a Highly Glycosylated
Coronavirus Spike Protein**



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🌐 **Register**

<http://www.bch.cuhk.edu.hk/emom2020/>

**Participating
Vendors:**



Jan 20, 2020 (Mon)

Venue: LT1, Yasumoto International Academic Park (YIA)

09:30 - 09:50	Opening Remarks by Dr. Kam Bo WONG & Dr. Liwen JIANG (The Chinese University of Hong Kong, Hong Kong SAR)
09:50 - 10:40	Dr. Benjamin David ENGEL (Helmholtz Pioneer Campus, Germany) "Exploring Molecular Landscapes Inside Cells with <i>In-Situ</i> Cryo-ET"
10:40 - 11:30	Dr. Lu GAN (National University of Singapore, Singapore) "Exploration of Eukaryotic Nuclei <i>In-Situ</i> with Cryo-ET"
11:30 - 11:50	Group Photo and Break
11:50 - 12:40	Dr. Philipp ERDMANN (Max Planck Institute of Biochemistry, Germany) "From Autophagy to Pollen Tubes – Harnessing the Full Potential of <i>In-Situ</i> Cryo-ET"
12:40 - 14:15	Lunch
14:15 - 15:05	Dr. Calvin Kam-Kit YIP (The University of British Columbia, Canada) "Investigating the Structures and Functions of Key Guardians of Protein Homeostasis"
15:05 - 15:55	Dr. Shang-Te Danny HSU (Academia Sinica, Taiwan) "Synergistic Use of CryoEM and Mass Spectrometry to Study the Structure of a Highly Glycosylated Coronavirus Spike Protein"
15:55 - 16:25	Light Refreshment and Discussion
16:25 - 17:15	Dr. Wilson Chun Yu LAU (The Chinese University of Hong Kong, Hong Kong SAR) "Structural Analyses of ATG9 and Hsp21 by Cryo-EM"
17:15 - 19:30	Dinner and Discussion

Jan 21, 2020 (Tue)

Venue: Rm LG31, Science Centre

09:30 - 11:00	CryoEM Workshop Venue: G/F Lobby, Run Run Shaw Science Building
11:00 - 12:00	Poster Session
12:00 - 14:00	Lunch and Discussion Venue: LT1, Yasumoto International Academic Park (YIA)
14:00 - 14:50	Dr. Ori AVINOAM (Weizmann Institute of Science, Israel) "Correlative Imaging across Scales to Understand Membrane Remodeling at the Cell Surface"
14:50 - 15:20	Dr. Byung-Ho KANG (The Chinese University of Hong Kong, Hong Kong SAR) "Electron Tomography of Plant Organelles and the Outlook for Correlative Microscopic Approaches"
15:20 - 15:50	Light Refreshment and Discussion
15:50 - 16:40	Dr. Kiminori TOYOOKA (RIKEN Center for Sustainable Research Science, Japan) "Development of Rapid and Accurate CLEM System and Application for Tissues and Cells of Plant and Animal"
16:40 - 17:00	Closing Remarks by Dr. Byung-Ho KANG (The Chinese University of Hong Kong, Hong Kong SAR)