International Symposium on Frontiers in Bioimaging
October 26 – 27, 2015
Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan

Program in Detail

Monday, October 26th, 2015	
09:00 –	Registration
09:20 – 09:30	Opening Remarks
09:30 – 10:30	**Wah Chiu** (Baylor College of Medicine) *Recent advances in cryo-electron microscopy and tomography for basic and translational biology*
10:30 – 11:00	Break
Session I, Chair: Tsyr-Yan Yu	
11:00 – 11:45	**Markus Sauer** (University of Würzburg) *dSTORM coming of age: From concepts to biological impact*
11:45 – 12:15	**Jung-Chi Liao** (Academia Sinica) *Superresolved distal appendages: jewels on the crown of the mother centriole*
12:15 – 12:30	Group Photo
12:15 – 14:30	Lunch and Poster session
Session II, Chair: Chau-Chung Han	
14:30 – 15:15	**Robert M. Dickson** (Georgia Tech) *Optically modulated fluorescent proteins: Spying on hidden interactions*
15:15 – 15:45	**Fu-Jen Kao** (National Yang-Ming University) *Stimulated emission based fluorescence detection*
15:45 – 16:15	**Ta-Chau Chang** (Academia Sinica) *Direct evidence of G-quadruplex DNA in live cells by using fluorescent anti-cancer agents*
16:15 – 16:35	Break
Session III, Chair: Jung-Chi Liao	
16:35 – 17:20	**Akihiro Kusumi** (Kyoto University) *Organizing principles of the plasma membrane for signal transduction as revealed by single-molecule tracking*
17:20 – 17:50	**Chia-Lung Hsieh** (Academia Sinica) *Nanoscopic substructures in membrane rafts detected by high-speed single-particle tracking*
17:50	Dinner (Speaker Only)

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Tuesday, October 27th, 2015	
09:00 – 12:00	Registration
Session IV, Chair: Dah-Yen Yang	
09:30 – 10:15	**Haw Yang** (Princeton University) *3D multi-resolution microscopy*
10:15 – 10:45	**Hung-Wen Li** (National Taiwan University) *How DNA helicases and recombinases function? A single-molecule optical microscopy study*
10:45 – 11:05	Break
Session V, Chair: Ta-Chau Chang	
11:05 – 11:50	**Yung-Ya Lin** (University of California, Los Angeles) *Magnetic resonance molecular imaging for early cancer detection*
11:50 – 12:20	**Huan-Cheng Chang** (Academia Sinica) *Biomaging and quantum sensing using nitrogen-vacancy centers in fluorescent nanodiamonds*
12:20 – 14:00	Lunch
Session VI, Chair: Chia-Lung Hsieh	
14:00 – 14:30	**Chau-Hwang Lee** (Academia Sinica) *Label-free observation of cancer-cell filopodium activities using structured illumination nano-profilometry*
14:30 – 15:00	**Chin-Lin Guo** (Academia Sinica) *Imaging cell shape symmetry breaking via cytoskeleton mechanical instability and topological constraint*
15:00 –	Closing Remarks