

QBiC Symposium 2016 "Decoding Organisms by Quantitative Cell Profiling"

Program (Final)

Day 1, 5 September (Mon)

Time	Contents	Speaker	Title
13:00		Toshio Yanagida (RIKEN QBiC)	Opening Remarks
13:20	Session 1 Super Resolution Imaging Chair: Miki Ebisuya (RIKEN QBiC)	Bo Huang (UCSF)	Imaging the Genome in Living Cells
14:00		Coffee Break	
14:20		Akihiko Nakano (RIKEN RAP)	Super-resolution Live Imaging Approach to Membrane Trafficking
15:00		Yasushi Okada (RIKEN QBiC)	Development and the application of super-resolution live cell imaging
15:40	Coffee Break		
16:00	Session 2 Fusing Data and Models Chair: Chikara Furusawa (RIKEN QBiC)	Pierre Baldi (UC Irvine)	Deep Learning and Integrative Systems Biology of Circadian Rhythms
16:40		Koichi Takahashi (RIKEN QBiC)	Automating Life Sciences
17:20		Tohru Natsume (AIST molprof)	LabDroid: All Purpose Humanoid Robot for Life Science

18:00

Day 2, 6 September (Tue)

Time	Contents	Speaker	Title
10:00	Session 3 Decoding Cells Chair: Yuichi Taniguchi (RIKEN QBiC)	Thomas Cremer (LMU München)	Nuclear Landscape of Regulatory Sequences Studied with Super-resolution Fluorescence Microscopy
10:50		Coffee Break	
11:10		Katsuyuki Shiroguchi (RIKEN QBiC)	A Novel Method for High Throughput Single Cell Identification and Counting by Target Gene Sequencing
11:50		Hiroyuki Takeda (Univ. Tokyo)	Deciphering the Logic of Pluripotent Epigenome in Medaka
12:30	Meeting Photo & Lunch		
13:30	Poster Session (Odd Numbered Posters)		
14:30	Session 4 Whole-organ / body Imaging 1 Chair: Tatsuo Shibata (RIKEN QBiC)	Ali Ertürk (LMU München)	Shrinkage Mediated Imaging of Entire Organs and Organisms using uDISCO
15:10		Hiroki R. Ueda (RIKEN QBiC)	Toward Organism-level Systems Biology in Mammals ~Whole-body and Whole-organ Clearing and Imaging with Single-cell Resolution~
15:50		Coffee Break	
16:10		Michiyuki Matsuda (Kyoto Univ.)	Lateral Propagation of ERK MAP Kinase Activation
16:50	Selected Poster Talks 1	Markita del Carpio Landry (UC Berkeley)	Detection of Single Protein Efflux from an Isolated Cell Using Infrared Fluorescent Protein Sensors
17:10	Break		
17:30	Banquet		
19:30			

Day 3, 7 September (Wed)

Time	Contents	Speaker	Title
10:00	Session 5 Whole-organ / body Imaging 2 Chair: Tomonobu Watanabe (RIKEN QBiC)	Kwanghun Chung (MIT)	Multi-scale High-dimensional Imaging and Phenotyping of Complex Biological Systems
10:40		Takeshi Imai (RIKEN CDB)	Large-scale Synapse Mapping with an Index-optimized Clearing Agent, SeeDB2
11:20		Coffee Break	
11:40		Atsushi Miyawaki (RIKEN BSI)	Cruising Inside Cells
12:20	Selected Poster Talks 2	Yoshihiro Shimizu (RIKEN QBiC)	Body time detection by a novel protein quantification method using mass spectrometry and cell-free protein synthesis system
12:40	Lunch		
13:40	Poster Session (Even Numbered Posters)		
14:40	Session 6 Decoding Neural Circuit Chair: Makoto Tajiri (RIKEN QBiC)	Josh L. Morgan (Washington Univ.)	How to Digitize a Neural Network using Large Scale Electron Microscopy
15:20		Kenichi Ohki (Univ. Tokyo)	Decoding the developmental program of the functional architecture of the visual cortex
16:00		Koichi Takahashi (RIKEN QBiC)	Closing Remarks

16:10