International Conference on Single Cell Research 2016
Ito International Research Center, The University of Tokyo, Tokyo, Japan

Day1: Wednesday November 16th, 2016

Category	Time	Name	Affiliation	Title
Opening Remark	08:50-09:00	**Haruko Takeyama**	Waseda Univ., JAPAN	
Special talk	09:00-09:20	**Hideki Kambara**	The Society for Single-Cell Surveyor	
Session1: Single-cell Omics Part1, Single-cell genomics				
KEYNOTE 1	09:20-09:45	**Sten Linnarsson**	Karolinska Inst., Sweden	TOWARDS A COMPLETE ATLAS OF MAMMALIAN BRAIN CELL TYPES
KEYNOTE 2	09:45-10:10	**Andreas Schlitzer**	Bonn Univ., Germany	UNRAVELLING MYELOID CELL HETEROGENEITY IN THE AGE OF SINGLE CELL BIOLOGY
Invited	10:10-10:25	**Sumio Sugano**	Univ. Tokyo, JAPAN	SINGLE CELL RESPONSE TO A TYROSINE KINASE INHIBITOR
Invited	10:25-10:40	**Kun Zhang**	UCSD, USA	SEQUENCING AND MAPPING OF RNA MOLECULES IN HUMAN ADULT BRAIN
	10:40-10:55	BREAK		
Invited	10:55-11:10	**Itoshi Nikaido**	RIKEN, JAPAN	DISASSEMBLING REGIONALIZATION OF NEUROECTODERM BY SINGLE-CELL TRANSCRIPTOME ANALYSIS
Invited	11:10-11:25	**Joakim Lundeberg**	KTH, Sweden	PROFILING THE TRANSCRIPTOME IN SITU
Invited	11:25-11:40	**Yi Eve Sun**	UCLA, USA/ Tongji Univ., China	SINGLE CELL TRANSCRIPTOME ANALYSIS AND ITS APPLICATION IN STEM CELL RESEARCH
Contributed	11:40-11:52	**Nozomu Yachie**	Univ. Tokyo, JAPAN	BARCODE FUSION GENETICS FACILITATES MEASURING THE DYNAMICS OF MOLECULAR NETWORKS
Contributed	11:52-12:04	**Masataka Shirai**	Hitachi Ltd., JAPAN	VERTICAL FLOW ARRAY CHIPS FOR HIGHLY SENSITIVE SINGLE-CELL GENE EXPRESSION ANALYSIS
Industry	12:04-12:14	**Mike Hawes**	Dolomite Bio	TECHNOLOGY FOR HIGH THROUGHPUT SINGLE CELL RNA-SEQ AND OTHER SINGLE CELL RESEARCH
	12:15-13:15	LUNCH		
		Lunch seminar	Illumina K.K.	
	13:15-14:45	**POSTER SESSION (DAY 1)**		
Award ceremony	14:45-14:50	**Award ceremony for Prof. Tomas Laurell**		
Session2: Microfluidics/MEMS				
KEYNOTE 3	14:50-15:15	**Thomas Laurell**	Lund Univ., Sweden	ACOUSTOFLUIDIC PURIFICATION OF EXTRACELLULAR VESICLES AND SUBMICRON PARTICLES
KEYNOTE 4	15:15-15:40	**Takehiko Kitamori**	Univ. Tokyo, JAPAN	MICRO/NANOFLUIDICS FOR SINGLE CELL ANALYSIS
KEYNOTE 5	15:40-16:05	**Daniel Chiu**	Univ. Washington, USA	SINGLE CELL ANALYSIS OF SUSPENSION AND ADHERENT CELLS FOR UNDERSTANDING CANCER BIOLOGY
	16:05-16:20	BREAK		
Invited	16:20-16:35	**Masanobu Yamamoto**	Purdue Univ., USA	MICROPARTICLE DETECTION ON REFLECTIVE PHASE GRATING DISC
Invited	16:35-16:50	**Shih-Kang Fan**	National Taiwan Univ., Taiwan	ELECTROMICROFLUIDIC ASSEMBLY ON CELL AND HYDROGEL
Invited	16:50-17:05	**Jin-Ming Lin**	Tsinghua Univ., China	SINGLE CELL ANALYSIS USING DROP-ON-DEMAND INKJET PRINTING AND PROBE ELECTROSPRAY IONIZATION MASS SPECTROMETRY
Contributed	17:05-17:17	**Katsuyuki Shiroguchi**	RIKEN, JAPAN	HIGH TROUGHTPUT SINGLE CELL ANALYSIS FOR TARGET GENOMIC SEQUENECES
Contributed	17:17-17:29	**Kazuma Mawatari**	Univ. Tokyo, JAPAN	MICRO/EXTENDED-NANO SAMPLING INTERFACE FOR LIVING SINGLE CELL ANALYSIS
Contributed	17:29-17:41	**Masahito Hosokawa**	Waseda Univ., JAPAN	DROPLET MICROFLUIDICS FOR MASSIVELY PARALLEL AND ACCURATE GENOME AMPLIFICATION OF SINGE CELLS
	18:30-20:30	Banquet @ Capo PELLICANO		

Day2: Thursday November 17th, 2016

Category	Time	Name	Affiliation	Title
Session3: Imaging/Detection Technology			
KEYNOTE 6	09:00-09:25	**Ulf Landegren**	Uppsala Univ., Sweden	MOLECULAR TOOLS FOR PARALLEL ANALYSES, EVEN AT SINGLE CELL RESOLUTION
KEYNOTE 7	09:25-09:50	**Steven Boxer**	Stanford Univ., USA	NEW APPROACHES TO STUDY SINGLE VIRUS FUSION AND PROXIMITY IN CELL MEMBRANES
Invited	09:50-10:05	**Amy Shen**	OIST, JAPAN	NANOPLASMONIC SENSORS FOR SENSITIVE DETECTION OF BIOMOLECULES
Invited	10:05-10:20	**Young-Tae Chang**	NUS, Singapore	BACKGROUND-FREE FLUORESCENT IMAGING IN LIVE CELLS
	10:20-10:35	BREAK		
Invited	10:35-10:50	**Alan Nelson**	VisionGate, Inc., USA	NON-INVASIVE SINGLE CELL SPUTUM TEST FOR ENDOBRONCHIAL DYSPLASIA, ENABLING CHEMOPREVENTION THERAPY FOR LUNG CANCER
Invited	10:50-11:05	**Caroline Gallant**	Uppsala Univ., Sweden	SIMULTANEOUS MULTIPLEX MEASUREMENT OF RNA AND PROTEINS IN SINGLE CELLS
Invited	11:05-11:20	**Itaru Hamachi**	Kyoto Univ., JAPAN	LIGAND-DIRECTED CHEMISTRY FOR PROTEIN LABELING AND IMAGING IN LIVE CELL SYSTEMS
Contributed	11:20-11:32	**Kazuaki Sawada**	Toyohashi Univ. Tech., JAPAN	NON LABEL NEUROTRANSMITTER IMAGE SENSOR SYSTEM FOR SPATIOTEMPORAL ANALYSIS OF CEREBRAL FUNCTION
Contributed	11:32-11:44	**Hiroko Bannai**	RIKEN, JAPAN	APPROACH TO THE BRAIN FUNCTION BY IMAGING SINGLE MOLECULE BEHAVIOR IN SINGLE, LIVING CELLS
Contributed	11:44-11:56	**Etsuo Susaki**	Univ. Tokyo, JAPAN	CUBIC: CELL-OMICS ANALYSIS OF WHOLE ORGAN/BODY TOWARD THE ORGANISM-LEVEL SYSTEMS BIOLOGY
	11:56-13:00	LUNCH		
	13:00-14:30		**POSTER SESSION (DAY 2)**	
Session4: Single-cell Omics Part2, Proteomics, Metabolomics Cellomics and Bioinfomatics			
KEYNOTE 8	14:30-14:55	**Nader Pourmand**	UCSC, USA	SINGLE CELL AND BEYOND: NANOPIPETTE TECHNOLOGY FOR CONTINUOUS SINGLE-CELL INTERROGATION
KEYNOTE 9	14:55-15:20	**Deirdre Meldrum**	Arizona State Univ., USA	SINGLE CELL CELLOMICS AND METABOLOMICS FOR PREDICTIVE HEALTH
Invited	15:20-15:35	**Jian Han**	HudsonAlpha, USA	SINGLE CELL MULTIPLEX PCR AND NGS PAIGING TCR CHAINS AND PROFILE GENES IMPORTANT FOR IMMUNE FUNCTIONS
	15:35-16:05	BREAK		
Invited	16:05-16:20	**Gyungah Jun**	Eisai Inc., USA	SINGLE CELL CONCEPT FOR ALZHEIMER DISEASE DRUG DEVELOPMENT
Contributed	16:20-16:32	**Hans Tanke**	Leiden Univ., Netherlands	MONITORING OF IMMUNOTHERAPY: TOWARDS HOME DIAGNOSTICS
Contributed	16:32-16:44	**Tomoko Yoshino**	Tokyo Univ. Agri. & Tech., JAPAN	HIGH-THROUGHPUT SINGLE-CELL MANIPULATION TOWARDS CIRCULATING TUMOR CELL SEQUENCING
Contributed	16:44-16:56	**Takeshi Bamba**	Kyusyu Univ., JAPAN	SINGLE-CELL MULTIMOLECULAR PHENOTYPING BY USING THE CELL CHIP MS SYSTEM
Contributed	16:56-17:08	**Yuichi Taniguchi**	RIKEN, JAPAN	TOWARDS UNDERSTANDING THE LINKAGE BETWEEN MULTIPLE OMICS LAYERS
Contributed	17:08-17:20	**Kakuro Hirai**	Hitachi Ltd., JAPAN	IDENTIFICATION OF UNDIFFERENTIATED iPS CELLS WITH COHERENT ANTI-STOKES RAMAN SCATTERING MICROSCOPY
	17:20-17:45		**Award ceremony**	
			Announcement of next meeting	
Closing remark		**Kazuma Mawatari**		

Post-conference meeting: Saturday November 19th, 2016