

CONFERENCE PROGRAM (ORALS)

Wednesday September 10th, 2014

Category	Time	Number	Name	Affiliation	TITLE
KEYNOTE 1	08:15-08:40	KN1	Dr. Hideki Kambara	Hitachi Central Research Laboratory, JAPAN	SINGLE-CELL DNA/RNA SEQUENCING
Single-Cell Biomaniplulation and Analysis (CHAIR: Prof. Kazuma MAWATARI, The University of Tokyo)					
Session 1	08:40-08:55	WS1-1	Dr. Alex Chenchik	Cellecta, Inc., USA	MOLECULAR PROFILING OF HETEROGENEOUS CIRCULATING TUMOR CELLS
	08:55-09:10	WS1-2	Dr. Ryosuke Takahashi	Hitachi Central Research Laboratory, JAPAN	3D CELL CULTURE USING NANOPILLAR PLATE FOR NEW DRUG DEVELOPMENT
	09:10-09:25	WS1-3	Prof. Haruko Takeyama	Waseda University, JAPAN	ANALYSIS OF MARINE INVERTEBRATE HOLOBIONTS AND SUPPORTING SINGLE-CELL ANALYSIS TECHNOLOGIES
	09:25-09:40	WS1-4	Prof. Masao Washizu	The University of Tokyo, JAPAN	BIOMANIPULATION, CELL FUSION, SINGLE-CELL SURGERY
	09:40-09:55	WS1-5	Dr. Tsutomu Masujima	RIKEN, JAPAN	DIRECT METABOLOMICS AND MOLECULAR TRACING BY THE LIVE SINGLE CELL MASS SPECTROMETRY
	09:55-10:10	WS1-6	Dr. Masahiro Ando	Waseda University, JAPAN	LABEL-FREE SINGLE-CELL DISCRIMINATION BY RAMAN MULTIVARIATE CURVE RESOLUTION APPROACHES
10:00-10:20 BREAK					
KEYNOTE 2	10:20-10:45	KN2	Prof. Steven Boxer	Stanford University, USA	ORGANIZATION AND ASSOCIATION OF MEMBRANE COMPONENTS BY IMAGING MASS SPECTROMETRY
Imaging and Charaterization of Cellular Functions (CHAIR: Prof. Collins Ouma, Maseno University, KENYA)					
Session 2	10:45-11:00	WS2-1	Prof. Takeharu Nagai	Osaka University, JAPAN	EXPANDED PALETTE OF SUPER-DUPER LUMINESCENT PROTEINS FOR REAL-TIME MULTI-COLOR LONG-TERM IMAGING
	11:00-11:15	WS2-2	Prof. Afadhali D. Russa	Muhimbili University of Health and Allied Sciences, TANZANIA	BRDU IMMUNOFLOURESCENCE DIFFERENTIAL INTERFERENCE CONTRAST IMAGING CAN PRECISELY SEGREGATE ADHERENT MONOLAYER CELLS INTO SPECIFIC CELL-CYCLE PHASES
	11:15-11:30	WS2-3	Dr. Nozomu Takata	RIKEN Center for Developmental Biology, JAPAN	VISUALIZATION AND MANIPULATION OF DEVELOPING TISSUES IN VITRO BY EDITING GENOME WITH TALEN AND ZFN
	11:30-11:45	WS2-4	Dr. Marianne Mureithi	University of Nairobi/ Kenya AIDS Research Initiative, KENYA	STEM CELL RESEARCH POTENTIAL FOR SINGLE CELL THERAPY: IT IS TIME AFRICAN EMBRACED THE RESEARCH
	11:45-12:00	WS2-5	Dr. Hiromi Miyoshi	RIKEN, JAPAN	MICROGROOVED SURFACES TO CONTROL CELL MIGRATION FOR BIOTECHNOLOGICAL AND MEDICAL APPLICATIONS
	12:00-12:15	WS2-6	Prof. Taiji Adachi	Kyoto University, JAPAN	SINGLE-MOLECULE ANALYSIS OF ADHERENS JUNCTION-MEDIATED MECHANOTRANSDUCTION USING AFM
12:15-13:15 LUNCH					
13:15-14:30		POSTER SESSION (DAY 1)		13:15-13:35	FLASH PRESENTATION (WP1~WP21)
13:15-14:30		POSTER SESSION (DAY 1)		13:35-14:30	POSTER VIEWING (WP1~WP21)
KEYNOTE 3	14:30-14:55	KN3	Prof. Masood Kamali-Moghaddam	Uppsala University, SWEDEN	ADVANCED MOLECULAR TOOLS FOR PROTEOME ANALYSES IN SINGLE CELLS AND PLASMA SAMPLES
Insilico and Other Biomedical techniques (CHAIR: Dr. Meshack Abonyo, Egerton University, Kenya)					
Session 3	14:55-15:10	WS3-1	Dr. Satoru Okuda	RIKEN Center for Developmental Biology, JAPAN	VERTEX MODEL FOR SIMULATING MULTICELLULAR DYNAMICS DURING DEVELOPMENTAL MORPHOGENESIS
	15:10-15:25	WS3-2	Prof. Tsuneo Urisu	Nagoya University/Research Center for Nanobio Devices, JAPAN	DEVELOPMENT OF DISEASE MODEL NEURON-NETWORK AND IT'S ANALIZING METHOD
	15:25-15:40	WS3-3	Prof. Michiko Sugawara	Chiba University, JAPAN	CELL TURNING DURING SLOW MIGRATION IN SWISS 3T3 FIBROBLASTS
	15:40-15:55	WS3-4	Dr. Kevin Kariuki Wamae	University of Nairobi, KENYA	IN SILICO PREDICTION OF B-CELL AND T-CELL EPITOPES IN PLASMODIUM FALCIPARUM MEROZOITE INVASION PROTEINS (EBA175-RII AND RH5)
	15:55-16:10	WS3-5	Dr. Kennedy O. Okeyo	The University of Tokyo, JAPAN	MICROSTRUCTURED SHOJI-LIKE MESHES FOR STEM CELL CULTURE AND FABRICATION OF CELLULAR STRUCTURES
16:10-16:25 BREAK					
KEYNOTE 4	16:25 -16:50	KN4	Prof. Takehiko Kitamori	The University of Tokyo, JAPAN	PICO-, FEMTO-, ATTO-LITER CHEMICAL PROCESSES ON EXTENDED-NANO FLUIDIC DEVICE FOR SINGLE AND COUNTABLE BIO-MOLECULE ANALYSIS
Micro/Nano Fluidics, Biochips and Biosensors (CHAIR: Dr. Kennedy O. OKEYO, The University of Tokyo, Japan)					
Session 4	16:50-17:05	WS4-1	Prof. Manabu Tokeshi	Hokkaido University, JAPAN	DEVELOPMENT OF IMMUNO-PILLAR AND IMMUNO-WALL DEVICES FOR POINT-OF-CARE TESTING
	17:05-17:20	WS4-2	Dr. Kazuhito V. Tabata	The University of Tokyo, JAPAN	ANALYSIS OF A SINGLE CELL FUSED MICRODEVICE
	17:20-17:35	WS4-3	Prof. Kyohei Terao	Kagawa University, JAPAN	INDUCION AND MEASUREMENT OF INTRACELLULAR HETEROGENEITY USING MICRO/NANO STRUCTURES
	17:35-17:50	WS4-4	Dr. Yutaka Kazoe	The University of Tokyo, JAPAN	DYNAMICS OF NANOPARTICLES IN EXTENDED NANOCHANNEL MEASURED BY EVANESCENT WAVE-BASED PARTICLE VELOCIMETRY
	17:50-18:05	WS4-5	Dr. Masahito Hosokawa	Waseda University, JAPAN	DROPLET-BASED MICROFLUIDICS FOR SINGLE-CELL ANALYSIS
	18:05-18:20	WS4-6	Prof. Kazuma Mawatari	University of Tokyo, JAPAN	ENZYME-LINKED IMMUNOSORBENT ASSAY INTEGRATED IN EXTENDED NANOSPACE FOR SINGLE CELL AND SINGLE MOLECULE ANALYSIS

Thursday September 11th, 2014					
Category	Time		Name	Affiliation	TITLE
KEYNOTE 5	08:15 -08:40	KN5	Prof. Omu Anzala	University of Nairobi/ Kenya AIDS Research Initiative, KENYA	HIV VACCINE RESEARCH PAST, PRESENT AND FUTURE
Mechanisms of Diseases and Infections (CHAIR: Dr. Marianne Mureithi, University of Nairobi, Kenya)					
Session 5	08:40-08:55	TSS-1	Prof. Collins Ouma	Maseno University, KENYA	SALIVA-DERIVED GENOMIC DNA USING OMNIGENE KIT IN DETECTION OF MALARIA AND HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS GENOTYPING
	08:55-09:10	TSS-2	Prof. Wataru Sugiura	Nagoya Medical Center, JAPAN	HIGH SENSITIVE DRUG RESISTANCE HIV-1 GENOTYPING USING NEXT-GENERATION SEQUENCER: EVALUATION OF VIRAL QUASISPECIES AND MINORITY DRUG RESISTANT POPULATIONS
	09:10-09:25	TSS-3	Dr. David Mulama	Masinde Muliro University of Science and Technology/Centre for Global Health Research Kemri-Kisumu	THE EFFECT OF P FALCIPARUM TRANSMISSION PRESSURE ON NK CELL IMMUNITY AND ENDEMIC BURKITT LYMPHOMA
	09:25-09:40	TSS-4	Prof. Matilu Mwau	Kenya Medical Research Institute/Jomo Kenyatta University of Agriculture and Technology, KENYA	TECHNICAL PERFORMANCE EVALUATION OF THE MYT4 POINT OF CARE TECHNOLOGY FOR CD4+ T CELL ENUMERATION
	09:40-09:55	TSS-5	Dr. Hassan Nurudeen	Cardiff Metropolitan University, UK	ANTI-INFLAMMATORY EFFECTS USING HUMAN CELLULAR MODELS
	09:55-10:10	TSS-6	Ms Winnie Okeyo	ICIPE	POLYMORPHISMS WITHIN THE INTERLEUKIN-23 RECEPTOR (IL-23R) EXON ARE ASSOCIATED WITH SUSCEPTIBILITY TO PEDIATRIC SEVERE MALARIAL ANAEMIA IN WESTERN KENYA
10:10-10:20 BREAK					
KEYNOTE 6	10:20-10:45	KN6	Prof. Paul Robinson	Purdue University, USA	CELL CYTOMETRY
Detection/ Diagnostics & Therapeutic Approaches I (CHAIR: Dr. Benson Nyambega, Maseno University, Kenya)					
Session 6	10:45-11:00	TS6-1	Dr. Satoshi Yamazaki	The University of Tokyo	EFFECTIVE TREATMENT AGAINST SEVERE GRAFT-VERSUS-HOST DISEASE WITH ALLELE-SPECIFIC ANTI-HLA MONOCLONAL ANTIBODY
	11:00-11:15	TS6-2	Dr. Ramadhan S. Mwakubambanya	Foundation for Research and Technology - Hellas, Heraklion, Greece	ECTOPIC EXPRESSION OF A NEOSPORA CANINUM KAZAL TYPE INHIBITOR TRIGGERS DEVELOPMENTAL DEFECTS IN PLASMODIUM
	11:45-12:00	TS6-3	Prof. Yuzuru Takamura	Japan Advanced Institute of Science and Technology (JAIST)	FULL-AUTOMATED PAPER-BASE DEVICE CONDUCTING ENZYME-ENHANCED MULTISTEP ELISA AIMING POWER-LESS HIGH SENSITIVE POINT OF CARE TESTING
	11:15-11:30	TS6-4	Dr. Samuel B. Anyona	Maseno University/Kenya Medical Research Institute, KENYA	SUPPRESSED CIRCULATING BICYCLO-PGE2 LEVELS AND LEUKOCYTE COX-2 TRANSCRIPTS IN CHILDREN CO-INFECTED WITH P. FALCIPARUM MALARIA AND HIV-1 OR BACTEREMIA
	12:00-12:15	TS6-5	Prof. Ola Soderberg	Uppsala Universitet, SWEDEN	SELECTIVE AND SENSITIVE DETECTION OF PROTEINS
	11:30-11:45	TS6-6	Dr. Bhavna Chohan	Kenya Medical Research Institute, KENYA/ University of Washington, USA	NEVIRAPINE (NVP) RESISTANCE IN NVP UNEXPOSED HIV-1 INFECTED INFANTS INITIATING EARLY ANTIRETROVIRAL THERAPY, IN NAIROBI, KENYA
12:15-13:15 LUNCH					
13:15-14:30		POSTER SESSION (DAY 2)		13:15-13:35	FLASH PRESENTATIONS (TP1~TP20)
13:35-14:30		POSTER VIEWING (TP1~TP20)			
KEYNOTE 7	14:30-14:55	KN7	Prof. Hidetoshi Kotera	Kyoto University, JAPAN	FUNCTION OF SINGLE CELL AND TISSUE FOR REGENERATIVE MEDICINE
Proteomics, Genomics and Epigenomics (CHAIR: Prof. Haruko Takeyama, Waseda University, Japan)					
Session 7	14:55-15:10	TS7-1	Prof. Hidehiro OANA	University of Tokyo, JAPAN	IMMUNOFLUORESCENCE STAINING AND EXTENDING OF INDIVIDUAL INTACT CHROMATIN FIBERS ISOLATED FROM SINGLE CELLS UTILIZING A MICROFLUIDIC DEVICE
	15:10-15:25	TS7-2	Mr. Abkallo Hussein	Nagasaki University, JAPAN	QUANTITATIVE WHOLE GENOME RESEQUENCING AND GENETIC LINKAGE ANALYSES TO IDENTIFY GENES CONTROLLING VIRULENCE IN MALARIA PARASITES
	15:25-15:40	TS7-3	Dr. Hiroshi Tarui	RIKEN, JAPAN	HETEROGENEITY OF NEURAL CELLS REVEALED BY SINGLE-CELL GENE EXPRESSION ANALYSIS
	15:40-15:55	TS7-4	Dr. Michiko Nemoto	National Hospital Organization Nagoya Medical Center, JAPAN	EXOME SEQUENCING IDENTIFIED A NOVEL TYK2 COMPOUND HETEROZYGOUS MUTATION IN 2 SIBLINGS WITH PRIMARY IMMUNODEFICIENCY
	15:55-16:10	TS7-5	Dr. Fumiaki Hamazato	Hitachi Central Research Laboratory, JAPAN	MULTICELLULAR ANALYSES OF SINGLE-CELL GENE EXPRESSION PROFILES
16:10-16:25 BREAK					
KEYNOTE 8	16:25-16:50		Prof. Aman Russon	KTH Royal Institute of Technology, SWEDEN	SAMPLE PREPARATION FOR CLINICAL AND POINT OF CARE DIAGNOSTICS
Detection/ Diagnostics & Therapeutic Approaches II (CHAIR: Prof. Paul Robinson, Purdue University, USA)					
Session 8	16:50-17:05	TS8-1	Dr. Benson Nyambega	Maseno University, KENYA	TETRATRICOPEPTIDE REPEAT PROTEINS AS TARGETS FOR NOVEL TRYpanocIDALS
	17:05-17:20	TS8-2	Dr. Kanyiva Stephen	The University of Tokyo, JAPAN	DEVELOPMENT OF PALLADIUM-CATALYSED C-H BOND Silylation AND GERMANylation REACTIONS
	17:20-17:35	TS8-3	Dr. Wilson Okumu	Maseno University, JAPAN	THE LIPID ACYL-CHAIN DYNAMICS IN GIANT VESICLES
	17:35-17:50	TS8-4	Dr. Danny Köhler	Sysmex Partec GmbH, GERMANY	SINGLE CELL DETECTION WITH HIGH SENSITIVE SYSMEX - PARTEC FLOW
	17:50-18:05	TS8-5	Dr. Ryo Matoba	DNA CHIP, JAPAN	RNA CHECK: THE DIAGNOSTIC TECHNOLOGY FOR 'MIBYOU' (PRE-SICKNESS) SOCIETY
KEYNOTE 9	18:05-18:30	KN9	Prof. Dr. Hans Tanke	Leiden University Medical Center, NETHERLANDS	POINT-OF-CARE TESTING FOR INFECTIOUS DISEASE USING LOW-COST LATERAL FLOW ASSAYS
CONFERENCE BANQUET AND POSTER AWARDS (19:15~)					