

PROGRAM

2009-9-16 (WED)	Registration (Xijiao Hotel, Beijing)		
	Data (poster & PPT file) receiving desk		
	16:30 - 17:30 Pre-meeting (Xijiao Hotel) Scientific Committee Member		
2009-9-17 (THU)	Meeting (8:00-18:40) Meeting Hall of No. 5 Building in Xijiao Hotel		
8:00	Opening ceremony		
	Chaired by Prof. Guoan Luo and Prof. Haruko Takeyama		
8:20-10:17	Session 1: Genomic and Proteomic Analysis		
	Chaired by Prof. Zuhong Lu and Prof. Masafumi Yohda		
8:20	KEYNOTE LECTURE-Yukui ZHANG (Dalian Institute of Chemical Physics, China) "Novel separation and identification techniques for proteome study"	Page 1	
8:50	KEYNOTE LECTURE-Kenichi MATSUBARA (DNA Chip Research Inc., Japan) "Application of RNA check: Gene expression profiles of dissected specimen for prediction of metastases of colon cancer"	Page 2	
9:20	Chao CHEN (Northwest University, Xi'an, China) "A HTS Platform for Evaluation of CVP SNPs Effects on Drug-drug Interaction and Its Application in Drug Development"		
9:35	Yoshihiro ITO (RIKEN, RIKEN Advanced Science Institute, Japan) "Automation for Microarray Analysis"	Page 40	
9:50	Chengzhi HUANG (Southwest University, China) "DNA scaffolds for the assembly of nanomaterials"	Page 25	
10:05	Hossein Farkhraid (Stanford Genome Technology Center, USA) "What do we learn by letting our Genome out of the bottle?"	Page 46	
10:17-10:40	Taking photo & coffee break		
10:40-12:30	Session 2: DNA Sequencing		
	Chaired by Professor Haruko Takeyama and Professor Chao Chen		
10:40	Zuhong LU (Southeast University, China) "New development of low-cost and high-throughput DNA sequencing"	Page 16	
11:00	Ren XU (Lawrence Berkeley National Lab, USA) "Putting genome in context: transcriptional regulation in three dimensional ECM microenvironment"	Page 19	
11:20	Chiaki OGINO (Kobe University, Japan) "Selection of DNA aptamers using Atomic Force Microscopy"	Page 8	
11:40	Baback Gharizadeh (Stanford University, USA) "High Throughput DNA Sequencing, applications and disease investigation"	Page 27	

11:55	Qun FANG (Zhejiang University, China) "Fast capillary electrophoresis separation of DNA fragments"	Page 28
12:10	Chunlin WANG (Stanford Genome Technology Center, USA) "New virus discovery with next-generation sequencing"	Page 42
12:20	Guohua ZHOU (Nanjing University/Huadong Research Institute for Medicine and Biotechnics, China) "Detection of DNA sequence variation and expression profiling of mRNA by pyrosequencing coupled with sequence-tagged PCR"	Page 52
12:30-13:30	Buffet lunch & poster	
13:30-15:42	Session 3: Mass Spectrometry and New Technologies Chaired by Prof. Guoan LUO and Dr. Baback Gharizadeh	
13:30	KEYNOTE LECTURE- Charles R. Cantor (SEQUENOM, Inc, USA) "Nucleic Acid Mass Spectrometry: A Technique with Unusual Sensitivity and Precision"	Page 3
14:00	KEYNOTE LECTURE- Jing CHENG (Tsinghua Univetrstity, Beijing, China) "The Progress of Biochip Development for Research and Consumer Market"	Page 6
14:30	Lequn HUANG (Nanjing University, China) "Homogeneous detection of DNA sequences based on mass spectrometry in combination with nanoparticles probe"	Page 36
14:42	Qingge LI (Xiamen Univerisity, China) "New developments in mutation detection"	Page 29
14:57	Hany NASSEF (Fluidigm Corporation, USA) "Stem cell gene expression profiling and digital detection using a novel, ultrasensitive and highly versatile microfluidic platform."	Page 39
15:12	Jian HAN (Hudson Alpha Institute of Biotechnology, USA) "The development of a multiplex PCR method and an automatic device for molecular differential diagnosis"	Page 43
15:22	Nongyue HE (Southeast University, China) "Current advances in high throughput SNP genotyping based on hybridization on magnetic nanoparticles"	Page 48
15:32	Danke XU (Nanjing University, China) "Ultrasensitive DNA electrochemical detection based on silver nanoparticles"	
15:42-16:00	Coffee break & Poster	
16:00-18:40	Session 4: Methods and Oral Poster Presentation Chaired by Prof. Zhengping LI and Dr. Jian HAN	
16:00	Kamran Tahamtanzadeh (PrognosDx Health, Inc.,USA) "PrognosDx Health Tissue-based Epigenetic Test for Predicting Cancer Progression and Response to Therapy"	Page 51

16:10	Shohei Yamamura (National Institute of Advanced Industrial Science and Technology, Japan) "Cell microarray chip for the rapid and high-sensitive detection of malaria-infected erythrocytes "	Page 117
16:20	Wataru Fujibuchi (National Institute of Advanced Industrial Science and Technology, Japan) "Designing Pyro-Primer Sequences Using a Simulated Annealing Algorithm, to Critically Target mRNAs in Quantitative Cell Analysis"	Page 253
16:30	Blake Cesarin (Thermo Fisher SCIENTIFIC, USA) "Total HCS solution: New Cellomics platform"	Page 101
16:40-18:31	Oral poster presentation (38*3min)	
18:31	Banquet (Xijiao Hotel)	
20:00	Poster	
2009-9-18 (FRI)	Meeting (8:00-12:30)	
8:00-10:15	Session 5: Single-cell analysis & Stem cell Chaired by Prof. Mitsuyoshi UEDA and Prof. Qun FANG	
8:00	KEYNOTE LECTURE- Hideki Kambara (Hitachi Ltd. /Tokyo University of Agriculture and Technology, Japan) "Development of DNA Analysis Technologies--What comes next--"	Page 4
8:30	KEYNOTE LECTURE- Qingbo XU (St George's Hospital Medical School, UK) "Stem Cell Proteomics and Cardiovascular Diseases"	Page 7
9:00	Sten LINNARSSON (Karolinska Institutet, Sweden) "Embryology at the single-cell level: gene expression, lineage, and cell identity"	Page 15
9:20	Mikako SAITO (Institute of Symbiotic Science and Technology, Tokyo University of Agriculture and Technology, Japan) "Single-Cell Technology for Regenerative Cell Engineering"	Page 13
9:40	Toshihisa MIZUNO (Nagoya Institute of Technology, Japan) "Construction of the Stimuli-dependent Natural Protein Mutants Using the De Novo Designed Ligand-responsible alpha-Helical Coiled-coil"	Page 20
10:00	Hitoshi SHIKU (Tohoku University, Japan) "Development of multi-functional probes for gene expression analysis at single cell level"	Page 261
10:15-10:25	Coffee break	
10:25-12:34	Session 6: Biomolecule Analysis & Microfluidics Chaired by Professor Chengzhi HUANG and Prof. Sten LINNARSSON	
10:25	Dong-Pyo KIM (Chungnam National University, Korea) "Novel Polymeric Microfluidic Devices for Bio & Chemical Applications"	Page 24
10:45	Takashi OHTSUKI (Okayama University, Japan) "Applications of peptide nucleic acids for RNA purification, RNA detection, and intracellular RNA delivery"	Page 22

11:05	Jun QU (University at Buffalo, State University of New York) "Accurate and precise profiling of pathological proteomes by utilization of high resolution nano-LC/Orbitrap/ETD"	Page 30
11:25	Zhenping LI (Hebei University, China) "Homogenous detection of microRNAs using cationic conjugated polymers and Branched Rolling-circle Amplification"	Page 44
11:37	Masahiro TAKAGI (National Institute of Advanced Industrial Science and Technology, Japan) "Construction of Asymmetric Cell-Sized Lipid Vesicles from Lipid-Coated Water-in-Oil Microdroplets"	Page 31
11:49	Zhiyong WU (Northeastern University, China) "Simple, cheap and practical chip for bio-analysis of post genome age"	Page 47
11:59	Guoan LUO (Tsinghua University, China) "Modern Research of Traditional Chinese Medicine in the Post-genome Era"	Page 18
12:19	Ceremony for awarding poster-prize and Closing remark Chaired by Dr. Uchida KENKO from Hitachi	
12:34	Buffet lunch	
13:30 - 18:00	City Tour in Beijing	
18:00-19:30	Dinner (Xijiao Hotel)	
2009-9-19 (SAT)	8:30-17:30 Optional sightseeing	
	9:00-12:00 Optional Lab-tour (assemble in the Xijiao-Hotel hall)	