

Conference Schedule

1 st December, 2010 (Wednesday)	
08:30 - 09:00	Registration
09:00 - 09:05	Opening Remark I
09:05 - 09:10	Opening Remark II
Session 1: Interferomics Chair: I-Lin Wu & Jiun-Huang Ju	
09:10 - 09:55	Hsien-Da Huang/ Invited Speaker <i>Institute of Bioinformatics and Systems Biology; Department of Biological Science & Technology, National Chiao Tung University, Taiwan</i> (L01) MicroRNA Resources in Cancer Biology: Databases and Tools
09:55 - 10:15	Kahori Takane <i>Institute for Advanced Biosciences, Keio University, Japan</i> (T01) Computational Prediction and Experimental Validation of Evolutionary Conserved microRNA Target Genes in Bilaterian Animals
10:15 - 10:35	Yukyung Jun <i>Ewha Research Center for Systems Biology , Ewha Womans University, Korea</i> (T02) miRGator v2.0: An Integrated System for Functional Investigation of microRNAs
10:35 - 11:15	Poster Session - Day 1
Session 2: Expressomics & Regulomics Chair: Joshua SungWoo Yang & Sun-Gou Ji	
11:15 - 12:00	Sanghyuk Lee/ Invited Speaker <i>Korean Bioinformation Center; Ewha Research Center for Systems Biology; Ewha Womans University, Korea</i> (L02) Accurate Quantitative of Transcriptome from RNA-Seq Data by Effective Length Normalization
12:00 - 12:20	Hsing-Jen Sun <i>Institute of Biomedical Informatics, National Yang-Ming University, Taiwan</i> (T03) Discovering Monotonic Genes from Multiclass and Time-Series Microarray Data
12:20 - 13:15	Lunch
13:15 - 14:00	Jung Kyoon Choi/ Invited Speaker <i>Genome Institute of Singapore, Singapore; Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology, Korea</i> (L03) Expanding the Boundaries of Epigenetics by Genomics Technologies
14:00 - 14:20	Dukyong Yoon <i>Department of Biomedical Informatics, Ajou University School of Medicine, Korea</i> (T04) A Gene Expression Signature of Congenital Muscular Torticollis and Its Correlation with MRI Findings
14:20 - 14:40	Inkyung Jung <i>Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology, Korea</i> (T05) LinkNMF: Discovery of Chromatin Signatures through Analysis of Genome-Wide Chromatin Architecture in Human Genome

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Session 3: Protein Biology	
Chair: Lawrence Wee & Hanhae Kim	
14:40 - 15:25	Patrice Koehl/ Invited Speaker <i>Department of Biological Sciences, National University of Singapore</i> (L04) The Protein World: It is All About Geometry
15:25 - 15:45	Minho Lee <i>Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology, Korea</i> (T06) High Throughput Docking for Yeast Proteome and Drugs
15:45 - 16:05	Jae Wan Jang <i>Neuro-Medicine Center, Life & Health Division, Korea Institute of Science and Technology; Department of Medicinal & Pharmaceutical Chemistry, University of Science and Technology, Korea</i> (T07) Identification of Structural Determinants for Ligand Selectivity on 5-HT₂ Receptor Subtypes Based on Protein-Ligand Interaction
16:05 - 16:40	Poster Session - Day 1
16:40 - 17:00	Shou-Cheng Yen <i>Institute of Biomedical Informatics and Center for Systems and Synthetic Biology National Yang-Ming University, Taiwan</i> (T08) Discovering Sequence Patterns that are Relevant to Protein Localization
17:00 - 17:20	Yen-Kuang Chen <i>Institute of Biomedical Informatics, National Yang-Ming University, Taiwan</i> (T09) Identify Membrane Protein Types by Support Vector Machines Using Physical and Biochemical Properties
17:20 - 17:50	"Live" with Day 1 speakers
17:50 - 18:15	Debate Group Announcement & Networking

Conference Schedule

2nd December, 2010 (Thursday)	
Session 4: Developmental & Evolutionary Biology Chair: Angela Jean & Takeshi Saito	
09:00 - 09:45	Christopher W. V. Hogue/ Invited Speaker <i>Department of Biological Sciences, National University of Singapore, Singapore</i> (L05) Bootstrapping Life From the RNA World - A Chronology for the Origin of the Bacterial Ribosome
09:45 - 10:30	Shuichi Onami/ Invited Speaker <i>Laboratory for Developmental Dynamics, RIKEN, Japan</i> (L06) Genome-Wide Collection of Quantitative Cell Division Dynamics Information in Gene Knockdown Embryos Reveals the Program of <i>C.elegans</i> Development
10:30 - 10:50	Wataru Iwasaki <i>Department of Computational Biology, the University of Tokyo, Japan</i> (T10) A Travelling Salesman Approach to Phylogenetic Trees
10:50 - 11:30	Poster Session - Day 2
Session 5: Network Biology Chair: Thanet Praneenararat & Felix Jonas	
11:30 - 11:50	Jittima Piriyaopongsa <i>Biostatistics and Informatics Laboratory, Genome Institute, National Center for Genetic Engineering and Biotechnology, Thailand</i> (T11) Correlation-Based Filtering Technique Coupled with Machine Learning for Detecting Gene-Gene Interaction in Genome-Wide Association Study
11:50 - 12:10	Sun-Gou Ji <i>Department of Biotechnology, College of Life Science & Biotechnology, Yonsei University, Korea</i> (T12) Gene Function Prediction of <i>Pseudomonas aeruginosa</i> through PseudomonasNet
12:10 - 13:00	Lunch
13:00 - 13:45	Ko-ichi Takahashi/ Invited Speaker <i>Laboratory for Biochemical Simulation, RIKEN, Japan</i> (L07) Particle Simulations of Cellular Signalling Pathways
13:45 - 14:05	Takeshi H. Saito <i>Department of Biophysics and Biochemistry, Graduate School of Science, University of Tokyo, Japan</i> (T13) Data Driven Modeling of Immediate Early Genes Regulation by MAPKs
14:05 - 14.25	Shen Jean Lim <i>Department of Biochemistry, National University of Singapore, Singapore</i> (T14) Intrinsically Disordered Residues as a Possible Feature Determining the Specificity of NF-κB proteins

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Session 6: Therapeutics & Biomarkers Chair: Junko Tsuji & Jeslin Tan	
14:25 - 15:10	Chunming Ding/ Invited Speaker <i>Singapore Institute for Clinical Sciences, Singapore</i> (L08) Bioinformatics and Biostatistics in Biomarker Discovery
15:10 - 15:30	Zhibo Gao <i>Beijing</i> <i>Genomics Institute-Shenzhen, China</i> (T15) Multi-omics Analysis of a Colon Cancer
15:30 - 16:00	Poster Session - Day 2
16:00 - 16:45	Ueng-Cheng Yang/ Invited Speaker <i>Institute of Biomedical Informatics, National Yang-Ming University, Taiwan</i> (L09) Why is a Complex Disease Complex?
16:45 - 17:05	Durai Sundar <i>Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, India</i> (T16) Getting a Handhold on Designing Proteins for Human Therapeutics
17:05 - 17:25	Marsia Gustiananda <i>Eijkman Institute for Molecular Biology, Indonesia</i> (T17) What T-Cells See in Bird Flu Virus: Immunoinformatic Analysis to Identify CTL-Based Influenza Vaccine Candidates
17:25 - 17:45	Pongsakorn Wangkumhang <i>Biostatistics and Informatics Laboratory, Genome Institute, National Center for Genetic Engineering and Biotechnology, Thailand</i> (T18) An Efficient Machine Learning Based Framework to Select Minimal Set of Informative Markers for Bovine Breed Classification
17:45 - 18:15	"Live" with Day 2 speakers
18:15 - 18:30	Debate group Discussion
18:30 - 22:00	Dinner à la Nostalgia (By Invitation)

Conference Schedule

3rd December, 2010 (Friday)	
09:00 - 09:30	Salil Kumar Bose/ Invited Speaker <i>Visiting Professor, School of Biological Sciences, Nanyang Technological University, Singapore</i> (L10) “What a Difficult Thing it is to Write Correctly”
09:30 - 10:00	Debate I: Team 1 vs Team 2
10:00 - 10:30	Debate II: Team 3 vs Team 4
10:30 - 11:00	Debate Feedback
11:00 – 11:30	Refreshments
11:30 - 11:40	Closing Remark I
11:40 - 11:50	Closing Remark II
11:50 - 12:20	Presentation of Awards & Certificates