

8th AYRCOB Program Schedule

January 19, 2015

08:10 - 09:00 Registration and poster setup

09:00 - 09:20 Opening Remark

09:20 - 10:20 Session 1 (Session Chair: Xue Chen)

09:20 - 10:00 Pheromonomics: Deciphering the Chemical Language of Insects by Mass Spectrometry

Joanne Yew, National University of Singapore, Singapore (Keynote Speaker)

10:00 - 10:20 Development of Insilico based Universal Markers, their Characterization and Potential ability of Polymorphism in Asteraceae Family of Plants

Raghvendra Kumar Mishra, Amity University, India

10:20 - 10:35 Coffee Break

10:35 - 11:35 Session 2 (Session Chair: Cheng-Ju Pan)

10:35 - 11:15 Characterizing the function of ECS ubiquitin ligase by GPS profiling

Hsueh-Chi Sherry Yen, Academia Sinica, Taiwan (Keynote Speaker)

11:15 - 11:35 Computational methods to estimate error rates for peptide identifications in mass spectrometry-based proteomics

Xiao Liang, Free University of Berlin, Germany

11:35 - 11:50 Coffee Break

11:50 - 12:30 Session 3 (Session Chair: Jinn-Jy Lin)

11:50 - 12:10 TCS: A New Multiple Sequence Alignment Reliability Measure to Estimate Alignment Accuracy and Improve Phylogenetic Tree Reconstruction

Jia-Ming Chang, Institute of Human Genetics, France

12:10 - 12:30 A network guided approach towards identification of novel drug targets in MRSA

Kaito Kikuchi, The University of Tokyo, Japan

12:30 - 14:00 Lunch

14:00 - 15:00 Session 4 (Session Chair: Tsukasa Fukunaga)

14:00 - 14:40 DNA Gray code and its application to motif discovery

Natsuhiko Ichinose, Kyoto University, Japan (Keynote Speaker)

14:40 - 15:00 MethHC: a database of DNA methylation and gene expression in human cancer

Wei-Yun Huang, National Chiao Tung University, Taiwan

15:00 - 15:15 Workshop I: How to Publish with Genomics, Proteomics & Bioinformatics

Jialei Xie, Chinese Academy of Sciences, China

15:15 - 15:55 Session 5 (Session Chair: Tak Lee)

15:15 - 15:55 Systems biology brings new dimensions for structure-based drug design

Jianfeng Pei, Peking University, China (Keynote speaker)

15:55 - 16:10 Coffee Break

16:10 - 17:00 Poster Session (odd numbered posters)

17:00 - 17:40 **Live with Today's Speakers (Joanne Yew, Hsueh-Chi Sherry Yen, Pei Jianfeng)**

17:40 - 19:40 **Banquet**

8th AYRCOB Program Schedule

January 20, 2015

09:00 - 10:00 Session 6 (Session Chair: Tong-Qing Li)

- 09:00 - 09:40 Statistical methods for the network analysis of biological data
Minghua Deng, Peking University, China (Keynote Speaker)
- 09:40 - 10:00 A probabilistic model to predict clinical phenotypic traits from genome sequencing
Yun-Ching Chen, National Institutes of Health, USA

10:00 - 10:15 Coffee Break

10:15 - 11:15 Session 7 (Session Chair: Chi-Chun Chen)

- 10:15 - 10:55 Allosteric Regulation Sites for Enzyme Catalysis Are Co-localized with Communication Centers of Mechanical Signals
Lee-Wei Yang, National Tsing Hua University, Taiwan (Keynote Speaker)
- 10:55 - 11:15 Intrinsically unstructured regions: Versatile tool for tissue specific interactions
Sanghita Banerjee, Indian Statistical Institute, India

11:15 - 11:30 Coffee Break

11:30 - 12:10 Session 8 (Session Chair: Nai-Wen Chang)

- 11:30 - 11:50 Transcriptional Regulatory Relationships Unraveled by Sentence-based Text-mining
Heonjong Han, Yonsei University, Korea
- 11:50 - 12:10 Automatically Recognize Medication Using Conditional Random Fields in Medical Record
Chou-Yang Chien, National Central University, Taiwan

12:10 - 13:30 Lunch

13:30 - 14:00 Session 9 (Session Chair: Heonjong Han)

- 13:30 - 14:10 Genome-scale Hypothesis Scanning for Bacterial Genome Science
Byung-Kwan Cho, KAIST, Korea (Keynote Speaker)
- 14:10 - 14:30 The whipworm genome and dual-species transcriptomics of an intimate host-pathogen interaction
Isheng Jason Tsai, Wellcome Trust Genome Campus, UK; Academia Sinica, Taiwan

14:30 - 14:55 Workshop II: The introduction of the most powerful servers
Alex Wen, iServer Co., Ltd, Taiwan

14:55 - 15:10 Coffee Break

15:10 - 16:00 Poster Session (even-numbered posters)

16:00 - 16:40 **Live with Today's Speakers (Lee-Wei Yang, Byung-Kwan Cho, Minghua Deng)**

16:40 - 17:00 **Taking group photo, Best poster awards and Closing remark**