

Conference Day 1: Tuesday, 8 September 2015

8.00 am - 9.00 am | **Registration**

9.00 am - 9.45 am | **Welcome Note & Opening Ceremony**

9.45 am - 10.15 am | **Photography Session**
Coffee Break

PLANT SYSTEMS BIOLOGY

Conference Emcee: Assoc Prof Dr Roohaida Othman

Keynote Chair: Prof Dr Normah Mohd. Noor

10.15 am - 10.45 am | **Keynote 1**
Prof Dr William Paul Quick (IRRI, Philippines)
Engineering a C4 Rice

Session Chair: Prof Dr Ismanizan Ismail

10.45 am - 11.05 am | **Talk 1**
Assoc Prof Dr Roohaida Othman (UKM)
Transcriptome Profiling and Functional Analysis of Phytoremediation Related Gene in *Kappaphycus alvarezii*

11.05 am - 11.25 am | **Talk 2**
Assoc Prof Dr Zeti Azura Mohamed Hussein (UKM)
Computational Systems Biology Research in *Polygonum minus* Towards Interesting Biological Knowledge Discovery

11.25 am - 11.40 pm | **Young Researcher Presentation 1**
Muhammad Redha Abdullah Zawawi (MARDI)
Protein-Protein Interactions Between *Erwinia Mallotivora*-*Carica Papaya* Using Interolog and Domain-Based Approaches

11.40 am - 11.55 pm | **Young Researcher Presentation 2**
Reyhaneh Rahnamaie-Tajadod (INBIOSIS, UKM)
Effect of Methyl Jasmonate Elicitation on the Transcriptomic and Metabolomic Profiles of *Polygonum minus* Leaves

11.55 pm - 12.10 pm | **Young Researcher Presentation 3**
Raghunath Pariyani (UPM)
Discriminating the Effect of Different Drying Methods on the Biological and Chemical Properties of Java Tea Through Metabolomics Approach

12.10 pm - 12.30 pm | **Technical Talk 1**
Dr Frydman Chiraz (HORIBA Scientific)
Characterisation of the Breast Cancer Marker Candidate LAG3 in Human Plasma by Hyphenated SPRI-MALDI-MS Analysis

12.30 pm - 2.00 pm | **Lunch**

Conference Day 1: Tuesday, 8 September 2015

HUMAN/ANIMAL SYSTEMS BIOLOGY

Conference Emcee: Assoc Prof Dr Roohaida Othman

Session Chair: Prof Dr Sheila Nathan

2.00 pm - 2.20 pm	Talk 3 Prof Dr Katsuhisa Horimoto (AIST, Japan) "Cyber Drug Discovery": A Computational Pipeline for Drug Repositioning
2.20 pm - 2.40 pm	Talk 4 Assoc Prof Dr Jung Kyoon Choi (KAIST, Korea) Prediction of Noncoding Cancer Driver Mutations Based on Epigenome Maps and Machine Learning
2.40 pm - 3.00 pm	Talk 5 Prof Dr Hui Lu (Shanghai Jiao Tong University, China) Data Driven Biomedical Research
3.00 pm - 3.20 pm	Talk 6 Dr Takatsugu Hirokawa (AIST, Japan) Molecular Modelling of G Protein-coupled Receptors for <i>in silico</i> Drug Discovery
3.20 pm - 4.00 pm	Poster Viewing Session 1 Coffee Break
4.00 pm - 4.15 pm	Young Researcher Presentation 4 Farhana Mohd Ghani (UM) Transcriptome Analysis of <i>Penaeus monodon</i> in Response to White Spot Syndrome Virus Infection
4.15 pm - 4.30 pm	Young Researcher Presentation 5 Jan Harold Alcantara (De La Salle University, Philippines) Stability Analysis of the ODE Model Representation of Amyloidogenic Processing in Alzheimer's Disease in the Presence of SORLA
4.30 pm - 4.45 pm	Young Researcher Presentation 6 Rabiatul Adawiah Zainal (MARDI) Pathway Analysis of Genome Wide Association Study in Goat Birth Weight
4.45 pm	END OF DAY 1
4.45 pm - 5.30 pm	ARCSB2015-TriSys Meeting
8.00 pm - 10.00 pm	Conference Dinner

Conference Day 2: Wednesday, 9 September 2015

CELL SYSTEMS BIOLOGY

Conference Emcee: Assoc Prof Dr Roohaida Othman

Keynote Chair: Dr Ng Chyan Leong

9.00 am - 9.30 am | **Keynote 2**
Dr Madan Babu (MRC-LMB, Cambridge, UK)
The Contribution of Intrinsically Disordered Regions to Protein Function, Cellular Complexity and Human Diseases

Session Chair: Prof Dr Mohd Basyaruddin Abdul Rahman

9.30 am - 9.50 am | **Talk 7**
Prof Dr Luonan Chen (CAS China)
Detecting Early-Warning Signals for Complex Diseases by Dynamical Network Biomarkers

9.50 am - 10.10 am | **Talk 8**
Prof Dr Sunghoon Kim (SNU, Korea)
Interactome of Multi-tRNA Synthetase Complex and its Functional Insights

10.10 am - 10.30 am | **Talk 9**
Dr Koh Takeuchi (AIST, Japan)
Identification, Structural Characterisation and Drug Development of an Intracellular GTP Sensor for Metabolism and Tumorigenesis

10.30 am - 11.00 am | Coffee Break
Poster Viewing Session 2

11.00 am - 11.20 am | **Talk 10**
Prof Dr Louxin Zhang (NUS, Singapore)
Profiling Cell Specific Human Gene Regulation Networks

11.20 am - 11.40 am | **Talk 11**
Dr Hojung Nam (GIST, Korea)
Systematic Analysis of Genetic Alterations and Their Effects in Human Metabolism

11.40 am - 12.00 pm | **Talk 12**
Dr Daehyun Baek (SNU, Korea)
Comprehensive Rules for Functional MicroRNA Targeting

12.00 pm - 12.15 pm | **Young Researcher Presentation 7**
Nooramy Aida Mohd Yusof (UTM)
Structure of Aquaglyceroporin 9 and its Selectivity for Arsenite

12.15 pm - 12.30 pm | **Young Researcher Presentation 8**
Siti Aisyah Razali (UTM)
Protein-Ligand Interaction Analysis of Galactitol -1 Phosphate 5-Dehydrogenase from *Peptoclostridium difficile*

12.30 pm - 2.00 pm | Lunch

Conference Day 2: Wednesday, 9 September 2015

SYNTHETIC BIOLOGY

Conference Emcee: Assoc Prof Dr Roohaida Othman

Session Chair: Prof Dr Mohd Nazalan Mohd Najimudin

2.00 pm - 2.20 pm	Talk 13 Prof Dr Weidong Tian (Fudan University, China) LEGO: A Novel Method for Gene Set Over-Representation Analysis by Incorporating Network-based Gene Weights
2.20 pm - 2.40 pm	Talk 14 Dr Afnizanfaizal Abdullah (UTM) Characterisation of Biological Parts for Modular Genetic Devices: A Comparative Analysis
2.40 pm - 3.00 pm	Talk 15 Prof Dr Mohd Nazalan Mohd Najimudin (USM) Nitrogen Fixation in Gram Positive Bacteria and the Hunt for the Holy Grail of Agriculture – a Nitrogen Fixing Plant
3.00 pm - 3.20 pm	Talk 16 Assoc Prof Dr Mohd Firdaus Mohd Raih (UKM) Searching and Comparing of 3-Dimensional Amino Acid Arrangements – The Capacity for Discovery of Motifs Present Only in a Structural Context
3.20 pm - 3.50 pm	Coffee Break
3.50 pm - 4.10 pm	Talk 17 Assoc Prof Dr Mario Andrea Marchisio (Harbin Institute of Technology, China) Yeast Biosensor Design and Construction
4.10 pm - 4.25 pm	Young Researcher Presentation 9 Nurhafiza Rosdi (UTM) A New Hyper-heuristic Algorithm for Gene Sequence Characterisation and Assembly
4.25 pm - 4.40 pm	Young Researcher Presentation 10 Jayson Lucilo (Bicol University, Philippines) BAT Algorithm for Parameter Estimation of S-System Models
4.40 pm - 5.30 pm	Closing Ceremony Best Poster Awards Best Young Researcher Presentation Awards Refreshment CONFERENCE END
