

Summary Report: Bioinformatics: “Omics” Approach and Data Analysis Session

Chaired by

Associate Professor Simon Poon PhD MPH
Faculty of Engineering and IT



15th Meeting of Consortium for Globalization of Chinese Medicine (CGCM 2016)

Bioinformatics: “Omics” Approach and Data Analysis Session
(2nd Conference Room, H55B)
August 23, 9:30-12:00

Organizing Team:

Chair: Associate Professor Simon K. Poon
Co-chairs: Professor Nevin Zhang, Associate Professor Kornkanok Ingkaninan, Dr. Daniel Sze
Panelists: Professor Sushing Chen, Professor Suqin Sun

Time	Topic	Presenter
09:30-09:35	Welcome & Introduction	A/Professor Simon Poon
PART I: Data Analysis Chair: Dr Daniel Sze		
09:35-09:53	34. Identification and Classification of TCM Syndrome Types among Patients with Vascular Mild Cognitive Impairment Using Latent Tree Analysis	Professor Nevin Zhang
09:53-10:11	42. A Network-Based Deterministic Model for Causal Complexity: A Potential Application to Analyze Complex TCM Formulation	A/Professor Simon Poon
10:11-10:29	29. Systems Pharmacology – A Computational Platform for Drug Discovery of TCM Herbs	Professor Sushing Chen
PART II: Approach Chair: Professor Nevin Zhang		
10:29-10:47	45. Evaluation of Chemical Profiles and Lipid Peroxidation Inhibitory Activities of <i>Bocopa monnieri</i> and other <i>Bocopa</i> spp. from Different Geographical Areas Using Metabolomic Approach	A/Professor Kornkanok Ingkaninan
10:47-11:05	53. Prediction of Radix Astragal Immunomodulatory Effect of CD80 Expression from Chromatograms by Different Chemometrics Analysis Platforms	Dr Daniel Sze
PART III: Spotlights Chair: Associate Professor Kornkanok Ingkaninan		
11:05-11:12	52. Clustering of TCM Herbal Prescriptions Using Deep Convolutional Neural Networks	Professor Sun-Chung Wang
11:12-11:19	41. Extraction of Effect Relation in Chinese unstructured Text	Jingcheng Wang
11:19-11:26	30. Metabolomics-Based Literature Study of Chinese Medicine Syndrome	Dr Wei Mao
11:26-11:33	25. Proteomic Analysis of the Anti-Tumor Effect of Coptidis Rhizoma and Its Active Component Berberine on Human Hepatocellular Carcinoma by 2D LC-MS/MS	Dr Liu Yungen
11:33-11:40	33. Ultra-Performance Liquid Chromatography-Quadrupole Time of Flight-Mass Spectrometry (UPLC-QTOF-MS) Based Serum Metabolomics of the Protective Effect of Ramulus of <i>Sambucus williamsii</i> HANCE (JieGuMu) Against Ovarioectomized Rats	Irene Sham
11:40-11:47	39. Big Data Analysis on Molecular Modeling for Cyclodextrins	Dr Qianshan Zhao
11:47-11:54	27. Integrated Analysis of Network Pharmacology-Based Prediction and Experimental Validation Reveals that Gushi-Shao-Yao-Zhima Decoction Attenuates Rheumatoid Arthritis Partially by Reversing Inflammation-Immune System Imbalance	Dr Qiuyan Guo
11:54-12:00	Concluding Remarks	A/Professor Simon Poon

Organisation:

- Organizing Team:
 - Chair: Associate Professor Simon K. Poon (Sydney)
 - Co-chairs: Professor Nevin Zhang (HKUST, HK), Associate Professor Kornkanok Ingkaninan (Naresuan, Thailand), Dr. Daniel Sze (RMIT, Melbourne)
 - Panelists: Professor Sushing Chen (Florida USA), Professor Suqin Sun (Tsinghua, China)
- Total 27 abstracts submitted
- Schedule:
 - Contacted all authors to confirm attendance
 - Grouped 3 classes of presentations: Analysis, Approach, Spotlights

Participation & Discussions

PART III: Spotlights	Chair: Associate Professor Kornkanok Ingkaninan	
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The Omics Session: ~ 80 attendees



Thank You!

