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940th Conference

Scientific Program

8th International Conference and Exhibition on

Metabolomics & Systems Biology

May 08-10, 2017 Singapore



Conference Series

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Day 1 May 08, 2017

08:30-09:00 **Registrations**

Seletar Room 3, Level 3

conferenceseries.com **09:00-09:30** **Opening Ceremony**

Keynote Forum

Introduction

09:30-10:15
Title: Integration of metabolomic and other OMIC datasets to gain insights in human health and disease
Scott J. Tebbutt, University of British Columbia & PROOF Centre of Excellence, Canada

10:15-11:00
Title: Identification by metabolomic analysis of a novel cellular arsenal against inflammation and cancer metastasis
Kenneth K. Wu, CMU, NHRI and NTHU, Taiwan

Group Photo

Networking and Refreshments Break: 11:00-11:20 @ Seletar Foyer

Sessions:
Clinical Metabolomics & Lipidomics | Cancer Therapeutic Approaches | Metabolic Syndrome

Session Chair: Sean Pin Ng, Nanyang Technological University, Singapore
Session Co-Chair: Takeshi Kimura, Ajinomoto Co., Inc., Japan

Session Introduction

11:20-11:50
Title: LC-MS-based plasma free amino acid profiling for the early detection and risk assessment of cancers and metabolic syndrome
Takeshi Kimura, Ajinomoto Co., Inc., Japan

11:50-12:20
Title: Peroxisome homeostasis, dysfunctions and disorders
Yukio Fujiki, Kyushu University, Japan

12:20-12:50
Title: Singapore Phenome Centre: Filling the metabolic phenotyping gap in Singapore
Sean Pin Ng, Nanyang Technological University, Singapore

Lunch Break: 12:50-13:50 @ Atrium Restaurant

13:50-14:20
Title: Metabolomic analysis of a brain metastasis cell line of lung cancer origin revealed differential adaptive responses to metabolic stresses
Andrwe Chan, Chinese University of Hong Kong, Hong Kong

14:20-14:50
Title: Thyroid hormone regulation of autophagy and metabolism
Paul M. Yen, Duke-NUS Medical School, Singapore

14:50-15:20
Title: The effect of Bee venom on inflammation in an ALS animal Model
Eun Jin Yang, Korea Institute of Oriental Medicine, Republic of Korea

Networking and Refreshments Break: 15:20-15:40 @ Seletar Foyer

Special Session

15:40-16:20
Title: From bench to bedside: Developing clinical routine diagnostics using NMR facilitated metabolomics
Maximilian Zucker, Numares HEALTH AG, Germany

16:20-16:50
Title: Metabolomics profiling distinguishes elite power and endurance athletes
Mohamed Elrayess, Anti-Doping Laboratory Qatar, Qatar

Panel Discussion

Day 2 May 09, 2017

Seletar Room 3, Level 3

Keynote Forum

09:30-10:15

Title: Metabolic rewiring during liver regeneration

Philipp Kaldis, National University of Singapore, Singapore

10:15-11:00

Title: PPARα in hepatocytes integrates microbiome-derived signals and is protective against fatty liver in both neonate and adult mice

Walter Wahli, Nanyang Technological University, Singapore

Sessions:

Metabolomic Profiling | Metabolomics in Precision Medicine | Frontiers of Metabolomics Research

Session Chair: Yukio Fujiki, Kyushu University, Japan

Session Co-Chair: Wai Leong TAM, Genome Institute of Singapore, A*STAR, Singapore

Session Introduction

11:00-11:30

Title: Metabolite profiling in identifying metabolic biomarkers in older people with late-onset diabetes mellitus

Zhi Yang Tam, Nanyang Technological University, Singapore

Networking and Refreshments Break: 11:30-11:50 @ Seletar Foyer

11:50-12:20

Title: Metabolomics study of human seminal plasma of infertile male

Kambiz Gilany, Avicenna Research Institute, Iran

12:20-12:50

Title: Metabolic syndrome: Evidences from the Korean National Health and Nutrition Examination Survey

Binh Thang Tran, National Cancer Center Graduate School of Cancer Science and Policy, South Korea

Poster Presentations @ 12:50-13:30

Lunch Break: 13:30-14:30 @ Atrium Restaurant

Special Session

14:30-15:10

Title: Anthocyanin acts as scavenger for heavy metal ions, attack cancer cell and interacts with uric acid and urea to expel it through urine system

Jaleel k Ahmed, Babylon University, Iraq

15:10-15:40

Title: Enhancement of aromatase inhibitors action by extra virgin olive oil (EVOO) through cholesterol metabolism pathway in MCF-7 cells

Amar Mohamed Ismail, Neelain University, Sudan

15:40-16:10

Title: An oncogenic role of Agrin in hepatocellular carcinoma: Mechanisms and therapeutic strategies of targeting Agrin in cancer

Sayan Chakraborty, Institute of Molecular and Cell Biology – A Star, Singapore

16:10-16:40

Title: Search for new potential biomarkers of Non-alcoholic fatty liver disease progression in morbid obese patients

Xiangping Lin, University of Paris 13, France

Networking and Refreshments Break: 16:10-16:30 @ Seletar Foyer

Poster Presentations @ 12:30-13:30

P01

Title: Targeted profiling of neurotransmitters in the central nervous system of marine medaka (Oryzias melastigma) for environmental neurotoxicological assessments

Man-Shan Yau, City University of Hong Kong, China

P02

Title: *In vitro* metabolism of BOD by human liver microsomes using liquid chromatography-high resolution mass spectrometry

Kyoung-Moon Han, Ministry of Food and Drug Safety, South Korea

P03

Title: UPLC-Q-TOF/MS-based metabonomic studies on the preventive effects of Aspirin eugenol ester in atherosclerosis hamsters

Xi-Wang Liu, Lanzhou Institute of Husbandry and Pharmaceutical Science of Chinese Academy of Agricultural Sciences, China

P04	**Title: Effect of negative energy balance on postpartum anestrus in an intensive dairy farm from Chinese province Heilongjiang** **Ziling Fan,** Heilongjiang Bayi Agriculture University, China
P05	**Title: Metabolomics profiling distinguishes elite power and endurance athletes** **Fatima AL-Khelaifi,** Anti-Doping Laboratory Qatar, Qatar

Day 3 May 10, 2017

Seletar Room 3, Level 3

Sessions:
Analytical Platforms in Metabolomics | Data Analysis & Systems Biology

Session Chair: Takeshi Kimura, Ajinomoto Co., Inc., Japan
Session Co-Chair: Kambiz Gilany, Avicenna Research Institute, Iran

Session Introduction

10:00-10:20	**Title: Low level of pdz domain containing 1 (PDZK1) predicts poor clinical outcome in patients with clear cell renal cell carcinoma** **Junfang Zheng,** Capital Medical University, China
10:20-10:40	**Title: Metabolic vulnerabilities in cancer stem cells** **Wai Leong TAM,** Genome Institute of Singapore, A*STAR, Singapore
10:40-11:00	**Title: Is the eicosanoids profile a helpful marker in the diagnosis of NAFLD progression?** **Dominika Maciejewska,** Pomeranian Medical University, Poland
11:00-11:20	**Title: A computed biochemical conversion network revealed a broad spectrum of hydroxycinnamic acid ester conjugates of glucaric acid in Isatis tinctoria leaves** **Kieu Oanh Nguyen T,** University of Science and Technology of Hanoi, Vietnam
11:20-11:50	**Title: Chemical constituents of the leaves of *Boscia senegalensis*** **Abubaker M A Morgan,** Chungnam National University, South Korea

Networking and Refreshments Break: 11:50-12:10 @ Seletar Foyer

12:10-12:30	**Title: UPLC-Q-TOF/MS-based urine and plasma metabonomics study on the ameliorative effects of Aspirin eugenol ester in hyperlipidemia rats** **Ya-Jun Yang,** Lanzhou Institute of Husbandry and Pharmaceutical Science of Chinese Academy of Agricultural Sciences, China
12:30-12:50	**Title: Effect of glycometabolism disorder on follicular growth of dairy cows postpartum based on GC/MS** **Shi Shu,** Heilongjiang Bayi Agriculture University, China
12:50-13:20	**Title: Water and wax for low energy and non–polluted iron and steel industry** **Jaleel K Ahmed,** Babylon University, Iraq
13:20-13:40	**Title: Prevention and treatment of cancer: Huaier regulates tissue homeostasis and cell proliferation by modulation of disrupted transcription control in the Hippo signaling pathway** **Tomoo Tanaka,** Tokai University, Japan

Lunch Break: 13:40-14:00 @ Atrium Restaurant

Panel Discussion

Awards & Closing Ceremony

Bookmark Your Dates

11th International Conference and Exhibition on

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May 14-16, 2018 Osaka, Japan