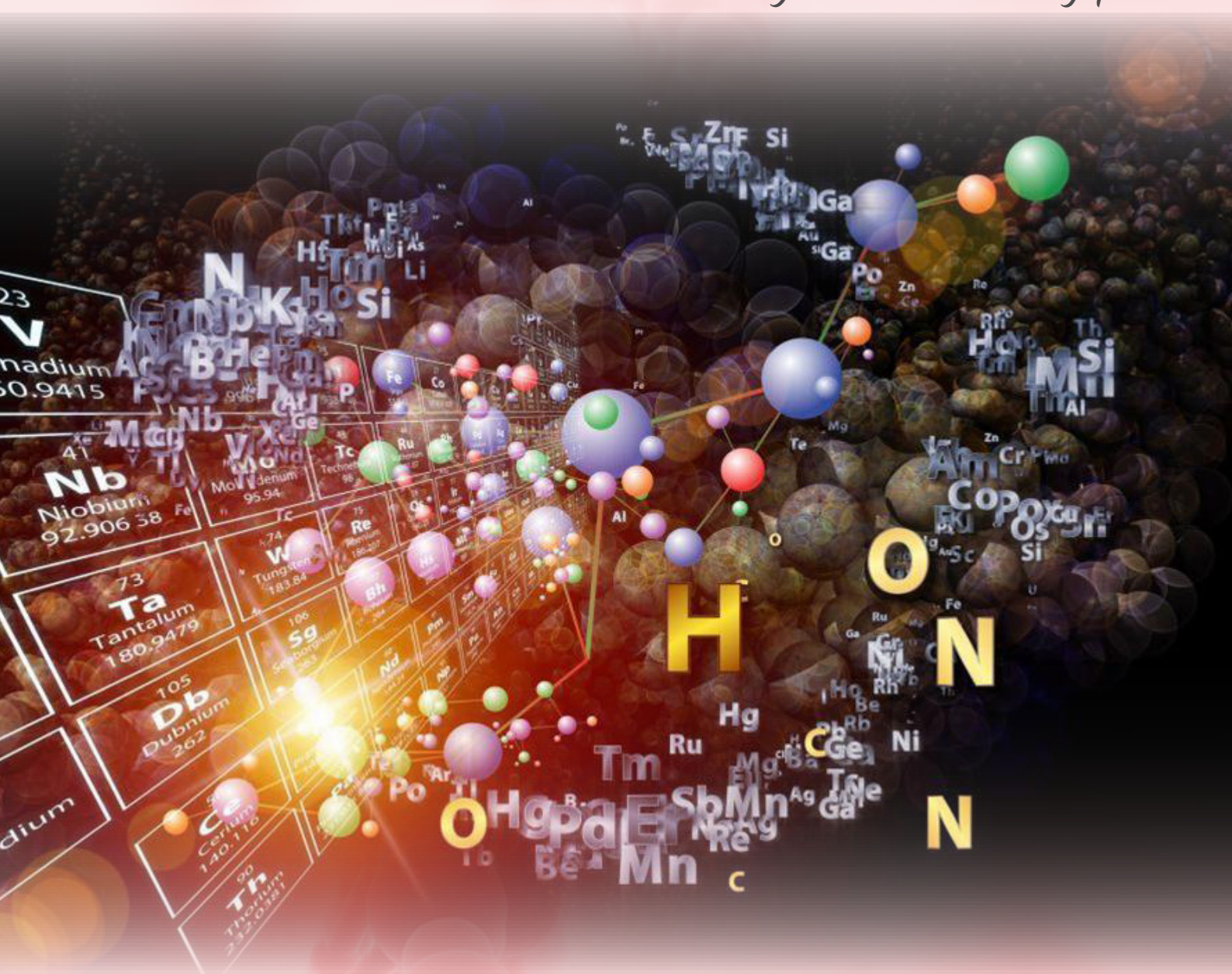


Scientific Program

8th International Conference and Exhibition on

Metabolomics & Systems Biology

May 08-10, 2017 Singapore



Conference Series

One Commerce Center-1201
Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169

Kemp House, 152 City Road
London EC1V 2NX, UK
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Toll Free: Japan: 81-345780247 | Singapore: 800-852-6126 | General Number: 1-650-889-4686
Email: worldmetabolomics@conferenceseries.net | worldmetabolomics@biochemconferences.org

Day 1 May 08, 2017

08:30-09:00 Registrations

Seletar Room 3, Level 3

conference**series**.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: PPAR α 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 metabolomics 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

13th International Conference and Exhibition on

Metabolomics

May 23-24, 2018 New York, USA