conferenceseries.com
933rd Conference

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
Toll Free: +0-800-014-8923

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

Salon VI & VII

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

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

Session Chair: Sean Pin Ng, Singapore Phenome Center, 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, Singapore Phenome Center, Singapore

Lunch Break: 12:50-13:50

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 neuroinflammation in a vascular dementia animal model

Eun Jin Yang, Korea Institute of Oriental Medicine, Republic of Korea

Networking and Refreshments Break: 15:20-15:40

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

Salon VI & VII

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: Andrwe Chan, Chinese University of Hong Kong, Hong Kong

Session Introduction

11:00-11:30

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

Zhi Yang Tam, Singapore Phenome Center, Singapore

Networking and Refreshments Break: 11:30-11:50

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

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:

Xiangping Lin, Université Sorbonne Paris Cité, France

Networking and Refreshments Break: 16:10-16:30

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

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

Session Chair: To be updated
Session Co-Chair: To be updated

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: Is the eicosanoids profile a helpful marker in the diagnosis of NAFLD progression?** **Dominika Maciejewska,** Pomeranian Medical University, Poland
10:40-11:00	**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
11:00-11:20	**Title: Chemical constituents of the leaves of Boscia senegalensis** **Abubaker M A Morgan,** Chungnam National University, South Korea

Networking and Refreshments Break: 11:20-11:40

11:40-12:00	**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
12:00-12:20	**Title: Effect of glycometabolism disorder on follicular growth of dairy cows postpartum based on GC/MS** **Shi Shu,** Heilongjiang Bayi Agriculture University, China
12:20-12:50	**Title: Water and wax for low energy and non–polluted iron and steel industry** **Jaleel K Ahmed,** Babylon University, Iraq
12:50-13:20	**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: 13:20-13:40

Panel Discussion

Awards & Closing Ceremony

Bookmark Your Dates

11th International Conference and Exhibition on

Metabolomics & Systems Biology

May 14-16, 2018 Osaka, Japan