8th International Conference and Exhibition on

Metabolomics & Systems Biology

Singapore May 08-10, 2017



Conference Secretariat

5716 Corsa Ave., Suite 110, West Lake, Los Angeles, CA 91362-7354, USA, Ph: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499

Email: worldmetabolomics@conferenceseries.net, worldmetabolomics@conferenceseries.com

http://metabolomicsconference.com



Welcome Message

On behalf of the Organizing Committee I am honored to invite industrial and academic researchers to participate in the 8th International Conference and Exhibition on Metabolomics & Systems Biology that will be held in Singapore, on May 08-10, 2017. The main theme of Metabolomics Congress 2017 is "Rise of New Era in Metabolomics Research". Multiple conference topics will cover major directions in the field, such as novel analytical technique, applications to disease diagnostics and biomarkers discovery, precision medicine, metabolic modeling; clinical, plant, environmental and nutritional metabolomics; data analysis and integration with systems biology. Metabolomics Congress 2017 offers 14 tracks and 76 sessions including exciting keynote lectures, poster presentations, workshops and informal exchange of opinions, scientific discussions between conference attendees. Conference offers friendly meeting atmosphere and opportunity for the industry to sponsor exhibit their products. We look forward to seeing you at the conference!

Vladimir Tolstikov
Director of Metabolomics
BERG, USA

Conference Highlights

- **Metabolomic Profiling**
- **Metabolomic Database**
- **Metabolomic Analysis**
- **Human Metabolomics**
- **Single Cell Metabolomics**
- **Mass Spectrometry based Metabolomics**
- **Urine Metabolomics**
- **Clinical Metabolomics & Lipidomics**
- **Cancer Therapeutic Approaches**
- **Plant & Environmental Metabolomics**
- **Metabolic Syndrome**
- **Metabolomics in Precision Medicine**
- **Food & Nutritional Metabolomics**
- **Frontiers of Metabolomics Research**
- **Metabolomic Devices**
- **Therapeutic Metabolomics**
- **Analytical Platforms in Metabolomics**
- **Transcriptomics & Metabolic pathways**
- **Data Analysis & Systems Biology**
- **Enhancing Analytical Approaches**
- **Metabolic Modelling**

This year, we'll host the event in beautiful city Singapore.

come early and treat yourself to a weekend vacation before the event!



Program

Day 1: May 08, 2017

Opening Ceremony

Conference Souvenir Launch
Keynote Forum (& Exhibitions Full day)
(Panel discussions and Reviews)
Coffee Break: Networking & Refreshments
Group Photo

Speaker Forum

Sessions Chair's Introduction
Metabolomic profiling
Metabolomic Database
Metabolomic Analysis
Human Metabolomics
Panel discussions and Reviews

Lunch Break

Single Cell Metabolomics
Mass Spectrometry based Metabolomics
Urine Metabolomics
Clinical Metabolomics & Lipidomics
(Panel discussions and Reviews)
Coffee Break: Networking & Refreshments
B2B Meetings
Certificates Felicitation by the organizing Committee

Day 2: May 09, 2017

Introduction

Keynote Forum (& Exhibitions Full day)
(Panel discussions and Reviews)
Coffee Break: Networking & Refreshments

Speaker Forum

Sessions Chair's Introduction
Cancer Therapeutic Approaches
Plant & Environmental Metabolomics
Metabolic Syndrome
Metabolomics in Precision Medicine

Lunch Break

Transcriptomics & Metabolic pathways
Data Analysis & Systems Biology
Enhancing Analytical Approaches
Metabolic Modelling
Coffee Break: Networking & Refreshments
Poster Sessions Evaluation by the Committee
B2B Meetings
Certificates Felicitation by the organizing Committee

Day 3: May 10, 2017

Introduction

Keynote Forum (& Exhibitions Full day)
(Panel discussions and Reviews)
Coffee Break: Networking & Refreshments

Speaker Forum

Sessions Chair's Introduction
Food & Nutritional Metabolomics
Frontiers of Metabolomics Research
Therapeutic Metabolomics
Analytical Platforms in Metabolomics
Panel discussions and Reviews
Young Research Forum
(Panel discussions and Reviews)

Lunch break

Speaker Sessions (Cont...)
Poster Sessions Evaluation by the Committee
Young Research Forum
Refreshments
Award Ceremony
Felicitation of the best poster awards

Closing Ceremony



Tentative Program

Keynote Presentation
Introduction
Title: Metabolic rewiring during liver regeneration
Scott J. Tebbutt , University of British Columbia & PROOF Centre of Excellence, Canada
Title: Metabolic rewiring during liver regeneration
Philipp Kaldis, National University of Singapore (NUS), Singapore
Title: Identification by metabolomic analysis of a novel cellular arsenal against inflammation and cancer metastasis
Kenneth K. Wu, CMU, NHRI and NTHU, Taiwan
Title: To be Updated….
Ching-Wan Lam, The University of Hong Kong, Hong Kong
Special Sessions
Title: From bench to bedside: Developing clinical routine diagnostics using NMR facilitated metabolomics
Maximilian Zucker, numares HEALTH AG, Germany
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
Speaker Presentations
Title: Focused metabolic profiling' of methylarginines and related biological amines
Blerina Ahmetaj-Shala, Imperial College London, UK
Title: Macrophage Polarization: Role Of PPARγ Activation In Chronic Inflammation-Associated Breast Cancer
Shreya Kar, National University of Singapore, Singapore
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
Title: Polymorphism of HFE Gene in Ischemic Heart Diseases and its Relation with Iron Overload
Fadhil Jawad Al-Tu'ma, University of Kerbala, Iraq
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
Title: Metabolomics study of human seminal plasma of infertile male
Kambiz Gilany, Avicenna Research Institute, Iran
Title: Insight into the biochemical, kinetic and spectroscopic characterization of garlic (Allium sativum) phytocystatin: Implication for cardiovascular disease
Mohd Faizan Siddiqui, Aligarh Muslim University, India
Title: Withania coagulans Fruit Extract protects Diabetic Nephropathy through Inhibition of Inflammatory cytokines and Oxidative Stress in Streptozotocin-Induced Diabetic Rats
Naheed Amir, United Arab Emirates University, UAE
Title: Effect of glycometabolism disorder on follicular growth of dairy cows postpartum based on GC/MS
Shi Shu, Heilongjiang Bayi Agriculture University, China
Title:1H-NMR Based Metabolomic Study for Identifying Serum Metabolite Profiles Associated with Thyroid Functional Disorders
Sirisha Katukuri, CSIR-Indian Institute of Chemical Technology, India
Title: Interplay between mevalonate and hippo pathways regulates DDX20 transcription via YAP-TEAD complex in triple negative breast cancer
Wang Chao, National University of Singapore, Singapore
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

Note: Conference schedule is subject to change.

Keynote Speakers @ Metabolomics Congress 2017

Metabolomics Congress 2017



Keynote Talk

Identification by metabolomic analysis of a novel cellular arsenal against inflammation and cancer metastasis

Kenneth K. Wu
CMU, NHRI and NTHU
Taiwan.

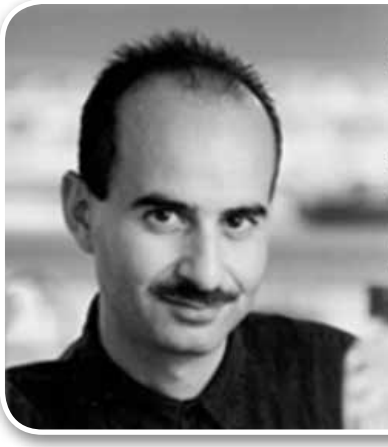


Keynote Speech on

Metabolomics Congress 2017

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



Keynote Speech on

Metabolomics Congress 2017

Metabolic rewiring during liver regeneration

Philipp Kaldis
Institute of Molecular and Cell Biology (IMCB) and Dept. of Biochemistry,
National University of Singapore (NUS)
Singapore

Special Session on

Metabolomics Congress 2017

From bench to bedside: Developing clinical routine diagnostics using NMR facilitated metabolomics

Maximilian Zucker
numares HEALTH AG, Germany

numares HEALTH





Metabolomics Sponsors and Exhibitors

Metabolomics-2012 Sponsors and Exhibitors

Agilent Technologies

BIOCRATES LIFE SCIENCES

MONTAGE HEALTHCARE SOLUTIONS

Waters THE SCIENCE OF WHAT'S POSSIBLE.™

Metabolomics-2013 Sponsors and Exhibitors

Cambridge Isotope Laboratories CIL

AB SCIEX

BIOCRATES LIFE SCIENCES

IsoSciences an MPD Chemicals Company

Thermo SCIENTIFIC

Waters THE SCIENCE OF WHAT'S POSSIBLE.™

Metabolomics-2014 Sponsors and Exhibitors

AB SCIEX

BIOCRATES LIFE SCIENCES

Thermo SCIENTIFIC

Metabolomics-2015 Sponsors and Exhibitors

NASA

Agilent Technologies

PREMIER Biosoft

Thermo SCIENTIFIC

Glimpses of Metabolomics Congress

















About Singapore

Singapore, officially the Republic of Singapore, is a sovereign city-state and island country in Southeast Asia. It lies off the southern tip of the Malay Peninsula and is 137 kilometres (85 mi) north of the equator. The country's territory consists of the lozenge-shaped main island, commonly referred to as Singapore Island in English and Pulau Ujong in Malay, and more than 60 significantly smaller islets. Singapore is separated from Peninsular Malaysia by the Straits of Johor to the north and from Indonesia's Riau Islands by the Singapore Strait to the south. The country is highly urbanized, and little of the original vegetation remains. The country's territory has consistently expanded through land reclamation.

Singapore's progress over the past three decades has been remarkable, yet the island has not been overwhelmed by development. Visitors will discover a wealth of historical treasures from the past, in the beauty of older buildings, values and traditions that have survived in the face of profound social and geographical change.

Singapore is both an island and a country, but perhaps its best description is that of city-state. Like the great city-states of the past, it offers civilization and order in the highest degree. Its combination of Western-style development and Eastern-style calm seems to present the best of both hemispheres: It's a modern metropolis where you feel safe walking the streets, and it's an Asian business center that's a model of efficiency. Singapore is also a multicultural city, and close to one-quarter of its population are expatriates or foreign workers from all over the world. Known for its desire to become the technology hub of Asia, Singapore is the most wired country in the region.



The field of Metabolomics & Systems Biology is growing rapidly and its development is making tremendous impacts in Food and Beverages Industry. The importance and significance can be gauged by the fact that it has made huge advancements over the course of time and is continuing to influence various sectors.

Metabolomics Congress 2017

- Opportunity to attend the presentations delivered by eminent scientists from all over the world
- Selected contributions will be published in following Conference Series LLCJournals
    - Metabolomics: Open Access
    - Journal of Computer Science & Systems Biology
- Participation in sessions on specific topics on which the conference is expected to achieve progress
- Global networking: In transferring and exchanging Ideas
- Conference brings together Scientific Researchers, Food and Beverages Industrialists

Important Dates

Abstract submission opens: August 16, 2016
Registration opens: August 20, 2016
Early bird registration: December 29, 2016
On spot registration: May 08, 2017

Venue

Singapore



Best Tourist Destinations in Singapore

Gardens by the Bay



Marina Bay



Chinatown



The Merlion



Raffles Hotel



Universal Studios



Little India



Clarke Quay

