



Scientific Program

13th International Conference on
**Metabolomics and
Systems Biology**

October 11-12, 2018 | Zurich, Switzerland



UK: Conference Series LLC Ltd
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DAY-1

October 11, 2018

Meeting Hall: **Athens**

08:00-09:00 Registrations

Opening Ceremony **09:00-09:30**

KEYNOTE FORUM

09:30-09:40 Introduction

09:40-10:25 **Title: Deciphering the mechanisms of complex diseases using network and machine learning approaches**
Tao Huang, Shanghai Institutes for Biological Sciences, China

Networking & Refreshments 10:25-10:45 @ Europa Foyer

10:45-11:30 **Title: Metabolomics and lipidomic profile of clinical serum samples from patients with liver disease**
Andrea Ragusa, University of Salento, Italy

11:30-12:15 **Title: Relationship between metabolism and obesity along with type 2 diabetes and cardiovascular risk**
Gerald C Hsu, eclaireMD, USA

Sessions: Computational Methodologies | Systems Biology | Metabolomics

Chair: Tao Huang, Shanghai Institutes for Biological Sciences, China

Co-Chair: Andrea Ragusa, University of Salento, Italy

INTRODUCTION

12:15-12:45 **Title: Effects of boron supplementation on peripartum dairy cows' health: A metabolomic approach**
Abdullah Basoglu, Selcuk University, Turkey

12:45-13:15 **Title: Tools for data-driven network analysis of metabolomics data**
Alla Karnovsky, University of Michigan, USA

GROUP PHOTO 13:15-13:20

Lunch Break 13:20-14:20 @ La Place AB

14:20-14:50 **Title: SR splicing, splicing-ratio based splicing detection method**
Yan Ji, Shanghai Institutes for Biological Sciences, China

14:50-15:20

Title: Enabling discovery through multi-omics and systems genetics

Maroun Bou Sleiman, Swiss Federal Institute of Technology in Lausanne, Switzerland

15:20-15:50

Title: Classification of biosynthesis pathways of alkaloids using graph convolutional neural networks

Ryohei Eguchi, Nara Institute of Science and Technology, Japan

Networking & Refreshments 15:50-16:10 @ Europa Foyer

WORKSHOP

16:10-17:10

Title: The applications of deep learning in biomedicine

Tao Huang, Shanghai Institutes for Biological Sciences, China

17:10-18:10

Title: Differences between fasting plasma glucose and postprandial plasma glucose

Gerald C Hsu, eclaireMD, USA

Panel Discussion

DAY-2

October 12, 2018

Meeting Hall: **Athens**

KEYNOTE FORUM

10:00-10:45

Title: Tissue lipidomics analysis of eicosanoids using tissue microwave fixation and chiral LC-MS/MS quantification

Mikhail Y Golovko, University of North Dakota, USA

Networking & Refreshments 10:45-11:05 @ Europa Foyer

11:05-11:50

Title: Plasma metabolomics for identifying diagnostic and prognostic biomarkers of oral cancer

Eloiza H Tajara, University of São Paulo, Brazil

SPECIAL SESSION

11:50-12:35

Title: NMR based Screening in Metabolomics Applications

Manfred Spraul, CTO Bruker BioSpin, Germany

Sessions: Metabolomics in Drug Discovery | Cancer Metabolomics | Transcriptomics and Proteomics

Chair: Philip J Jackson, University of Sheffield, UK

Co-Chair: Eloiza H Tajara, University of São Paulo, Brazil

INTRODUCTION

12:35-13:05

Title: Transcriptomic and metabolic analysis of the plant hormones signalling pathways in the resistant "Calcutta 4" and susceptible "Williams" banana genotypes during the interaction with the pathogenic fungus *Pseudocercospora fijiensis*

William Hidalgo, Industrial University of Santander, Colombia

13:05-13:35

Title: Proteomic adaptation in high and low light ecotypes of the marine picocyanobacterium *Prochlorococcus marinus*, an important global primary producer

Philip J Jackson, University of Sheffield, UK

Lunch Break 13:35-14:35 @ La Place AB

14:35-15:05

Title: Electronic water can reduce oxidative stress in cancer and diabetes patients for 3 weeks drinking

Masahiro Onuma, Trisguide CO.,LTD, Japan

15:05-15:35

Title: Elimination the chemically modified proteins from the cell membranes prevents the cell degeneration

Halina Malina, Axanton Technology GmbH, Switzerland

15:35-16:05

Title: Case study of insulin dependent diabetes: Healing without medicines

Vivek Kamath, Heal The World, India

Networking & Refreshments 16:05-16:25 @ Europa Foyer

WORKSHOP

16:25-17:25

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 Kareem Ahmed, University of Babylon, Iraq

17:25-18:10

Merck KGaA, Germany

Panel Discussion

Awards & Closing Ceremony

Bookmark your Dates

15th International Conference on

Metabolomics and Systems Biology

August 29-30, 2019 | Vienna, Austria

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