



Scientific Program

15th International Conference on
**Metabolomics and
Systems Biology**

August 29-30, 2019 | Vienna, Austria

DAY-1

August 29, 2019

Meeting Hall: **Wien 3**

09:15-09:45 Registrations

Opening Ceremony **09:45-10:00**

KEYNOTE FORUM

10:00-10:30 **Title: GH-method: methodology of math-physical medicine**
Gerald Hsu, EclairMD Foundation, USA

10:30-11:00 **Title: Exogenous glutamate plus antibiotics kills multidrug-resistant bacteria through a novel pathway that controls the TCA cycle**
Xuanxian Peng, Sun Yat-sen University, China

Networking & Refreshments 11:00-11:15

11:15-11:45 **Title: Alanine exerts immunomodulatory functions by promoting phagocytosis but limiting tissue injury**
Bo Peng, Sun Yat-sen University, China

11:45-12:15 **Title: NaCl promotes antibiotic resistance by reducing redox states in *Vibrio alginolyticus***
Hui Li, Sun Yat-sen University, China

GROUP PHOTO

Sessions: Transcriptomics and Proteomics | Metabolomics in the field of Oncology

Chair: Gerald C. Hsu, EclairMD Foundation, USA

Co-Chair: Bo Peng, Sun Yat-sen University, China

INTRODUCTION

12:15- 12:40 **Title: Cellulose membranes are more effective in holding back vital proteins and exhibit less interaction with plasma proteins during hemodialysis**
Marwa Eltoweissy, Georg August Medical University of Göttingen, Germany

12:40- 13:05 **Title: Phenylalanine modulates innate immune of *Danio rerio* to clear ceftazidime resistant *V. alginolyticus***
Ming Jiang, Sun Yat-sen University, China

Lunch Break 13:05-14:00 @ Hotel Restaurant

Sessions: Mass spectroscopy (MS) based metabolomics | Systems Biology

Chair: Xuanxian Peng, Sun Yat-sen University, China

Co-Chair: Hui Li, Sun Yat-sen University, China

INTRODUCTION

- 14:00- 14:25** **Title: Multiple 'omics'-Analysis Reveals the Role of Prostaglandin E2 in Hirschsprung's Disease**
Yankai Xia, Nanjing Medical University, China
- 14:25- 14:50** **Title: Malic acid boosted TCA cycle enhances survival of zebrafish to Vibrio alginolyticus infection**
Manjun Yang, Sun Yat-sen University, China
- 14:50- 15:15** **Title: Alanine Enhances Aminoglycosides-Induced ROS Production by Metabolic Regulation**
Jinzhou Ye, Sun Yat-sen University, China

WORKSHOP

- 15:15- 16:30** **Title : Sensor-based continuous glucose monitoring results and its impact on risk probability of cardiovascular disease and stroke using wave and energy theories (GH-Method: Math-Physical Medicine)**
Gerald C. Hsu, EclaireMD Foundation, USA

Networking & Refreshments 16:30: 16:45

POSTER PRESENTATIONS @ WEIN 3 16:45- 17:30

Panel Discussion

DAY-2

August 30, 2019

Meeting Hall: **Wien 3**

Extended Lunch and Networking

Awards & Closing Ceremony