Tentative Program

13th International Conference on

Metabolomics and Systems Biology

June 11-12, 2018 | London, UK



eurometabolomics@annualconferences.org

13th International Conference on

Metabolomics and Systems Biology

June 11-12, 2018 | London, UK

Program at A Glance

Day 1

Morning Sessions	**Reception/Registration**	**08.00-09.00**	
		Time	**General Session**
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
	11.00-12.40		Cancer Metabolomics and Biomarker Metabolomics
Evening Sessions	**Lunch Break 12.40-13.30**		
	13.30-15.30		Recent Advancements in Metabolomics and Systems Biology
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25		Transcriptomics and Proteomics

Day 2

Morning Sessions		**Time**	**Session 1**	**Session 2**
	09.00-10.40		Metabolic Modelling and Synthetic Biology	Clinical and Precision Medicine Metabolomics
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		Edibilomics and Lipidomics	Plant and Environmental Metabolomics
Evening Sessions	**Lunch Break 12.35-13.25**			
	13.25-15.05		Analytical Techniques in Metabolomics	Disease-Focused Research in Metabolomics
	Awards & Closing Ceremony			

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

Conference Highlights

- Metabolomics
- Cancer Metabolomics
- Diagnostic Biomarker Metabolomics
- Metabolic Modelling and Synthetic Biology
- Clinical and Precision Medicine Metabolomics
- Metabolomics in Drug Discovery
- Edibilomics
- Lipidomics
- Plant and Environmental Metabolomics
- Transcriptomics and Proteomics
- Systems Biology
- Computational Methodologies
- Analytical Techniques in Metabolomics
- Recent Advancements in Metabolomics and Systems Biology
- Metabolomic Syndrome
- Metabolomic Devices
- Disease-Focused Research in Metabolomics



Glimpses of Metabolomics Conferences













Glimpses of Metabolomics Conferences













Tourist attractions in London



Big Ben



Buckingham Palace



London Eye



Trafalgar Square



Londonoptimised

London is the capital and most populous city of the United Kingdom. It was founded by the Romans, who named it Londinium. It is one of the world's leading financial centres and has the fifth-or sixth-largest metropolitan area GDP in the world depending on measurement. London is a world cultural capital. It is the world's most-visited city as measured by international arrivals and has the world's largest city airport system measured by passenger traffic. It is the world's leading investment destination, hosting more international retailers and ultra high-net-worth individuals than any other city. London's 43 universities form the largest concentration of higher education institutes in Europe, and according to 2014 report it is placed first in the world university rankings. According to the report London also ranks first in the world in software, multimedia development and design, and shares first position in technology readiness.

Tourist Attraction: Tourism is one of London's prime industries. London is the most visited city in the world by international tourists. It is a leading global city, with strengths in the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism, and transport all contributing to its prominence. Famous landmarks include Buckingham Palace, the London Eye, Piccadilly Circus, St Paul's Cathedral, Tower Bridge, Trafalgar Square and The Shard. It is the home to numerous museums, galleries, libraries, sporting events and other cultural institutions, including the British Museum, National, Tate Modern, British Library and 40 West End theatres.

Conference Venue

Linda Grace
Program Director | Euro Metabolomics 2018 Conference Series Ltd
Kemp House, 152 City Road, London EC1V 2NX, UK
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940th 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
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Kemp House, 152 City Road
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Day 1 May 08, 2017

08:30-09:00 **Registrations**

Seletar Room 3, Level 3

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 @ 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: 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: 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 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
12:30-12:50	**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

11th International Conference and Exhibition on

Metabolomics & Systems Biology

May 14-16, 2018 Osaka, Japan

Scientific Program

5th International Conference and Exhibition on

Metabolomics

Osaka, Japan May 16-18, 2016

Conference Secretariat
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Email: worldmetabolomics@conferenceseries.net

Registrations

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Opening Ceremony

Keynote Forum

Title: ^{18}O-assisted ^{31}P NMR and mass spectrometry: From phosphometabolomics to fluxomics
Petras Dzeja, Metabolomics NMRS Core, Mayo Clinic, USA

Title: Diet, amino acids profile, and diabetes risk
Lu Qi, Tulane University, USA

Group Photo

Networking and Refreshments Break:

Session Introduction

Track 1: Metabolomic Profilingi
Track 2: Clinical Metabolomics & Lipidomics
Track 3: Cancer Therapeutic Approaches

Session Chair: Petras Dzeja, Metabolomics NMRS Core, Mayo Clinic, USA
Session Co-Chair: Björn Riefke, Bayer Pharma AG, Germany

Title: Metabolic and epigenetic alterations in patients with Alzheimer's disease
Eugenia Trushina, Mayo Clinic College of Medicine, USA

Title: Fucoidan inhibitory function in cancer in vivo and in vitro: Role in the development of human anti-cancer therapeutic intervention
Hsien-Yeh Hsu, National Yang-Ming University, Taiwan

Title: Interference with glutamine metabolism: A novel approach for treatment of acute myeloid leukemia
Ashkan Emadi, University of Maryland School of Medicine, USA

Title: Myc induces expression of glutamine synthetase through promoter demethylation
I-Chen Peng, National Cheng Kung University, Taiwan

Title: Slow-MAS NMR Metabolomics
Jian Zhi Hu, Pacific Northwest National Laboratory, USA

Lunch Break

Title: Prevention of metabolite change due to enzymatic post-sample activity using heat based enzyme inactivation
Mats Borén, Denator, Sweden

Title: Clinical metabonomics for biomarker discovery of malignant pleural effusions (MPE)
Ching-wan Lam, The University of Hong Kong, Hong Kong

Title: Mass spectrometry-based metabolomics reveals that serum lysophospholipids are associated with incident type 2 diabetes
Yonghai Lu, National University of Singapore, Singapore

Special Session

Title: Metabolomics in neuroscience: Old tools for new models and new tools for old models
Andrea Armirotti, Istituto Italiano di Tecnologia, Italy

Networking and Refreshments Break

Track 10: Plant & Environmental Metabolomics
Track 13: Food & Nutritional Metabolomics

Session Chair: Ching-wan Lam, The University of Hong Kong, Hong Kong

Session Co-Chair: Yongyu Zhang, Shanghai University of Traditional Chinese Medicine, China

Title: ERRα induces mitochondrial glutaminase expression guiding anaplerosis upon osteogenic differentiation of mesenchymal stem cells

Min Guan, Chinese Academy of Sciences, China

Title: Urine metabolomics study on unilateral ureteral obstruction induced renal fibrosis in rats and intervention effects of total aglycone extracts of Scutellaria baicalensis

Yongyu Zhang, Shanghai University of Traditional Chinese Medicine, China

Title: Serum lipid alterations identified in chronic Hepatitis b, Hepatitis b virus-related cirrhosis and carcinoma patients

Tao Wu, Shanghai University of Traditional Chinese Medicine, China

Title: Metabolism alterations in aggressive lymphomas

Pier Paolo Piccaluga, Bologna University School of Medicine, Italy

Title: The correlation of polar lipids changes with TAG accumulation under nitrogen deprivation in Nannochloropsis oceanica based on lipidomics

Song Xue, Dalian Institute of Chemical Physics-CAS, China

Panel Discussion

Day 2 May 17, 2016

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Keynote Forum

Title: Plasma metabolic profiles are associated with habitual dietary patterns

Choon Nam ONG, National University of Singapore, Singapore

Title: NMR Metabolomics Studies of Mice Exposed to Ionizing Radiation

Jian Zhi Hu, Pacific Northwest National Laboratory, USA

Track 11: Metabolic Syndrome

Track 12: Metabolomics in Precision Medicine

Session Chair: Robert Plumb, Imperial College London, UK

Session Co-chair: Houkai Li, Shanghai University of Traditional Chinese Medicine, China

Title: Biomarker Discovery in Cardiovascular Disease and role of LC/MS

Jose Castro-Perez, Waters Corp, USA

Title: Metabolomic study on the different responses to simvastatin therapy in normal and antibiotic-treated mice

Houkai Li, Shanghai University of Traditional Chinese Medicine, China

Title: Understanding human health and disease with LC/MS based metabolic phenotyping

Robert Plumb, Imperial College London, UK

Title: Treatment of natural plants on diabetes and metabolic syndrome

Jingxin Zhou, Beijing University of Chinese Medicine, China

Networking and Refreshments Break

Special Session

Title: Two cases of the serious dementia improved dramatically by placing denture

Yoshiro Fujii, Shin Kobe Dental Clinic, Japan

Poster Presentations

P01 **Title: Elevation in liver function marker (alanine aminotransferase) and plasma metabolites with aging**

Minjoo Kim, Yonsei University, Korea

P02 **Title: Fenofibrate regulates cell energy metabolism by restricting hypoxia-induced factor expression in human glioma cells**

Wan-Rou Shih, Central Taiwan University of Science and Technology, Taiwan

P03 **Title: Augmentation in LDL-cholesterol with aging leads to oxidative stress and disturb sphingolipid metabolism**

Miso Kang, Yonsei University, Korea

P04 **Title: Urine metabolomics revealed complex pesticide exposure in farmers in Chinese**

Yan-xin Zhang, Harbin Institute of Technology, China

P05 **Title: Ferrous glycinate reverses epithelial mesenchymal transition and drug resistance to BCNU by suppression of hypoxia-induced factor in human U87 glioma cells**

Yu-Syuan Lin, Taipei Medical University, Taiwan

P06 **Title: Combining in vitro and in silico techniques: a complex case of metabolite structural assignment**

Minkyung Kim, Yonsei University, Korea

P07 **Title: Development of quantitative analytical method using liquid chromatography-tandem mass spectrometry for the trytophan and its metabolites in serum and gastric juice to discovery biomakers for the diagnosis of gastric cancer**

Byung Hwa Jung, Korea Institute of Science and Technology, Republic of Korea

P08 **Title: Comparison of three mobile phase with liquid chromatography/time-of-flight mass spectrometry (LC/TOF-MS) for urine metabonomics analysis**

Pan Zou, Harbin Institute of Technology, China

P09 **Title: Ferrous glycinate regulates cell energy metabolism via suppression of hypoxia-induced factor in human A549 cells**

Jhong-Huei Jheng, Taipei Medical University, Taiwan

P10 **Title: The association between carbon and nitrogen stable isotope ratios of human hair and cardiovascular risk factors**

Song Vogue Ahn, Yonsei University, South Korea

P11 **Title: Alteration of plasma acylcarnitines and glycerophospholipids between metabolically healthy and unhealthy overweight subjects**

Seung Han Baek, Yonsei University, Korea

P12 **Title: Heat-killed and live Lactobacillus reuteri GMNL-263 exhibit similar effects on improving metabolic functions in high-fat diet-induced obesity rat**

Wu Ching-Shuang, Kaohsiung Medical University, Taiwan

P13 **Title: Replacing carbohydrate with protein and fat affects PBMC metabolites in prediabetes or type-2 diabetes: Comparison with plasma metabolites**

Hye Jin Yoo, Yonsei University, Korea

P14 **Title: Development and mechanism research of multi functional peptide product**

I-Chuan Sheih, Ta Hwa Institute of Technology, Republic of China

P15 **Title: A 1H-NMR-Based Metabolomics Investigation on The Effect of Saffron Extract and Crocin on Rats Fed a High Fat Diet**

Fatin Najwa, Universiti Putra Malaysia, Malaysia

P16 **Title: Nα-(carboxymethyl) lysine decreases insulin secretion in beta cells through mitochondrial dysfunction and mitophagy**

Mei-Chen Lo, Taipei Medical University, Taiwan

P17 **Title: Praeruptorin A regulates bone metabolic diseases via anti-osteoclastogenic acitivity by p38/Akt-c-Fos-NFATc1 signaling and PLCγ-independent Ca2+ oscillation**

Sik-Won Choi, National Institute of Crop Science, Republic of Korea

P18 **Title: The targeted and untargeted analysis of serum indicate changes in the urea cycle of psoriasis patients**

Aigar Ottas, University of Tartu, Estonia

P19 **Title: Plasma taurine, genetic predisposition, and changes of insulin sensitivity in response to weight-loss diets: The POUNDS lost**

Yoriko Heianza, Tulane University, USA

Ophthalmologists 2016

P20 **Title: Development of galectin-12 siRNA to defeat metabolic disorders**
Yen-Ju Lin, Industrial Technology Research Institute, Taiwan

P21 **Title Brain metabolic change in the dorsolateral prefrontal cortex and its correlation with anxiety levels in patients with generalized anxiety disorder: 1H-MR spectroscopy**
Gwang-Woo Jeong, Chonnam National University Hospital, Republic of Korea

P22 **Title: Skin metabolomics approach for the development of biomarkers in psoriatic disease**
Ewelina P Dutkiewicz, National Chiao Tung University, Taiwan

P23 **Title: Platelet activation markers overexpressed specifically in aspirin-exacerbated respiratory disease**
Chihiro Mitsui, Sagamihara National Hospital Clinical Research Center, Sagamihara, Japan

Lunch Break

Track 14: Frontiers of Metabolomics Research
Track 16: Therapeutic Metabolomics
Track 18: Transcriptomics & Metabolic pathways

Session Chair: Andrea Armirotti, Istituto Italiano di Tecnologia, Italy
Session Co-chair: Horng-Mo Lee, Taipei Medical University, Taiwan

Title: Metabolomic biomarkers for amyotrophic lateral sclerosis (ALS) in patients and animal models of ALS
Loeffler Jean Philippe, Université de Strasbourg, France

Title: Comparative assessment of phenolic compounds and antioxidant properties related to the harvest times from the leaves of Korean barley (Hordeum vulgare L.) cultivars
Woo Duck Seo, National Institute of Crop Science, Republic of Korea

Title: Crosstalk between the circadian clock and cancer metabolism reveals novel anticancer strategies
Benedetto Grimaldi, Istituto Italiano di Tecnologia, Italy

Title: Ferrous glycinate reverses Warburg effect and regulates cell energy metabolism via suppression of hypoxia-induced factor in human lung adenocarcinoma A549 cells
Horng-Mo Lee, Taipei Medical University, Taiwan

Title: NMR-based metabolomics analysis of 2D with 3D (Spheroids) of breast cancer cells
Björn Riefke, Bayer Pharma AG, Germany

Networking and Refreshments Break

Special Session

Title:Translational Research in Targeting Glucose or Glutamine Dependency in Solid and Hematologic Neoplasms
Ashkan Emadi, University of Maryland School of Medicine, USA

Day 3 May 18, 2016

RUBY

Track 17: Analytical Platforms in Metabolomics
Track 19: Data Analysis & Systems Biology

Session Chair: Andrea Armirotti, Istituto Italiano di Tecnologia, Italy
Session Co-Chair: Takeshi Kimura, Ajinomoto Co., Inc., Japan

Title: Molecular Mechanism for modulationof a multiple transcriptionfactorcomplexformed on enhancer site upon phosphorylation
Kazuhiro Ogata, Yokohama City University Graduate School of Medicine, Japan

Title: Development and commercialization of a plasma amino acid based risk diagnosis service
Takeshi Kimura, Ajinomoto Co., Inc., Japan

Title: Studying Conformational Changes on GDP and GTP Binding with a Novel Visualization Platform
Darby Tien-Hao Chang, National Cheng Kung University, Taiwan

Title: Using chlorophyll as gamma absorber generated from uranium coated weapons to protect Iraqi children from cancer
Jaleel Kareem Ahmed, Babylon University, Iraq

Networking and Refreshments Break

Title: Recent advancements in Mendelian genomics and data management at the Yale Center for Genome Analysis
Shrikant Mane, Yale University School of Medicine, USA

Ophthalmologists 2016

Title: ERRα induces mitochondrial glutaminase expression guiding anaplerosis upon osteogenic differentiation of mesenchymal stem cells

Min Guan, Chinese Academy of Sciences, China

Title: Development and mining of a volatile organic compound database

Md. Altaf-Ul-Amin, Nara Institute of Science and Technology, Japan

Title: Detection of Bt protein metabolites presence in insect and their predator transferred through GM rice using ELISA technique

Zunnu Raen Akhtar, University of Agriculture Faisalabad, Pakistan

Lunch Break

Awards and Closing Ceremony