Day 1, February 26, 2018 @ Busarakam Room I

08:30 - 09:00  Registrations
09:00 - 09:30  Opening Ceremony and Group Photo

Keynote Forum

09:30 - 10:15  Title: A prebiotic bonding entity is functioning in all contemporary living cells
Ada E. Yonath, Nobel Laureate (2009), Weizmann Institute of Science, Israel

Session Introduction
Chair: Prof. Ada E. Yonath, Weizmann Institute of Science, Israel
Co-Chair: Amandio Vieira, Simon Fraser University, Canada

10:15 - 11:00  Title: Obesity and related metabolic disorders: From epigenetics to possible therapeutics
Amandio Vieira, Simon Fraser University, Canada

Coffee Break 11:00 - 11:15 @ Pre-function Foyer on 2nd Floor

11:15 - 11:45  Title: Universal healthcare
Ravindran R Naidu, Malaysian Medical Association, Malaysia
Title: Integrative metabolomics oncology in clinical practice in Thailand
Kamon Chaiyasit, Integrative Nutrition and Herbal Medicine Association, Thailand

Title: Immunological treatment of cancer by CpG and antigen peptide hybridized DNA nanoparticle
Jun-O Jin, Fudan University, China

Title: Genetic improvement of chickpea classical breeding to genomics assisted breeding
Prakash Mruthunjaya Salimath, University of Agricultural Sciences, India

Lunch Break 13:05 - 14:05 @ PUBLIC Restaurant

Session Introduction
Chair: Amandio Vieira, Simon Fraser University, Canada
Co-Chair: Nicole Benjamin-Fink, Conservation Beyond Borders, USA

Title: Metabolomics in clinical practice
Narin Voravud, Bumrungrad International Hospital, Thailand

Workshop
Title: Second Messengers (p)ppGpp and Cyclic di-GMP mediated regulation of cell shape, cell division and antibiotic sensitivity in Mycobacterium smegmatis
Dipankar Chatterji, Indian Institute of Science, India

Technical Sessions
Title: Adipose cell targeting with hunter-killer peptides
Mikhail Kolonin, University of Texas, USA

Title: Simplifying Object Oriented Bayesian Networks (OObNs) construction and verification; the case for applying OObNs to solve for the most challenging conservation concerns of our time
Nicole Benjamin-Fink, Conservation Beyond Borders, USA

Title: Cytotoxic abilities of the extracts from the edible fruiting body & discard stipe of Flammulina velutipes on human prostate cancer cells
Yuan-Li Huang, Asia University, Taiwan

Coffee Break 15:55 - 16:10 @ Pre-function Foyer on 2nd Floor

Title: Study of the molecular mechanisms of cellular processes during folliculogenesis in mammalian ovary - are putative stem cells involved in carcinogenesis
Malgorzata Duda, Jagiellonian University, Poland

Title: Metabolomics and transcriptomics complement each other to better elucidate tissue-specific key mechanisms associated with dietary methionine restriction
Sujoy Ghosh, Duke-NUS Medical School, Singapore
Keynote Forum

Session Introduction
Chair: Kamon Chaiyasit, Integrative Nutrition and Herbal Medicine Association, Thailand
Co-Chair: Mikhail Kolonin, University of Texas, USA

09:30 - 10:00
Title: NMR insights into metabolomics of mental disorders such as Schizophrenia, Bipolar Disorder and Crack-Cocaine Addiction
Ljubica Tasic, University of Campinas, Brazil

10:00 - 10:30
Title: Structural similarity based multifaceted analysis of metabolites using KNAPSAcK database and DPClus algorithm
Altaf-Ul-Amin, Nara Institute of Science & Technology, Japan

10:30 - 11:00
Title: Metabolomics analysis of blood and urine to identify alcohol-dependence biomarkers
Baharudin Ibrahim, Universiti Sains Malaysia, Malaysia

Coffee Break 11:00 - 11:15 @ Pre-function Foyer on 2nd Floor

Technical Sessions

11:15 - 11:35
Title: Comparative studies of nutrient/hormone extracellular binding proteins and their cellular transport
Amandio Vieira, Simon Fraser University, Canada

11:35 - 11:55
Title: Taurodeoxycholate increases in number of myeloid-derived suppressor cells that ameliorates sepsis in mice
Seung-Yong Seong, Seoul National University Hospital, Korea

11:55 - 12:15
Title: Mechanism of intercellular fatty acid transport
Mikhail Kolonin, University of Texas, USA

12:15 - 12:35
Title: Spatial relationship of metabolomics, OSA and Diabetes mellitus
P.V. Prabhakar Rao, Washington University of Barbados, Barbados

12:35 - 12:55
Title: Developing methods for truly untargeted metabolomics analysis with and without stable isotope tracing
Hunter N.B. Moseley, University of Kentucky, USA

Lunch Break 12:55 - 13:55 @ PUBLIC Restaurant

Session Introduction
Chair: Bernd Kaina, University Medical Center, Germany
Co-Chair: Dipankar Chatterji, Indian Institute of Science, India

13:55 - 14:15
Title: Regulation of DNA repair and death pathways in cancer therapy
Bernd Kaina, University Medical Center, Germany

14:15 - 14:35
Title: Molecular genetics of endometrial carcinoma
Sabhyata Gupta, Medanta, India
Title: A novel synthetic miR-143 exhibited a potent anti-cancer activity through impairment of K-Ras networks in K-Ras-driven colon cancer cells
Yukihiro Akao, Gifu University, Japan

Round Table Discussion

14:55 - 15:40
Title: MS & NMR & metabolomics in research
Ljubica Tasic, University of Campinas, Brazil

Technical Sessions

15:40 - 16:00
Title: The role of astrocyte in the dynamics of cultured cerebellar networks
Ari Barzilai, Tel Aviv University, Israel

Coffee Break 16:00 - 16:15 @ Pre-function Foyer on 2nd Floor

16:15 - 16:35
Title: NMR lipidomics on animal model for studying mental disorders as Schizophrenia
Mirian A. F. Hayashi, Universidade Federal de Sao Paulo, Brazil

16:35 - 16:55
Title: Synthesis of natural sweeteners and their interaction model with taste receptors
Vikas Jaitak, Central University of Punjab, India

Day 3, February 28, 2018 @ Busarakam Room I

Technical Sessions

10:00 - 10:30
Title: Robust reproducible LC/MS based metabolomic phenotyping of large cohort epidemiological studies
Robert Plumb, Waters Corporation, USA

10:30 - 10:50
Title: Exploring the mobile market of the association of southeast asian nations and the countries in the south Asia: Perspective on the population distribution
Bing-Yuh Lu, Tungnan University, Taiwan

10:50 - 11:10
Title: African Spider Plant (Gynandropsis Pentaphylla (L.) Brig.; syn to Cleome gynandra (L.) Brig.) (Capparaceae): a plant with fundamental investigation Potentialities in Integrated Biology
Ramappa Lokesha, University of Agricultural Sciences, India
Coffee Break 11:10 - 11:25 @ Pre-function Foyer on 2nd Floor

11:25 - 11:45  
Title: Structural study of CCL5 oligomerization mechanism  
Shih-Che Sue, National Tsing Hua University, Taiwan

Title: Transgenic Bt cotton in India: Success or failure in the context of emergence of pink bollworm: Can non-Bt cotton varieties serve as an alternative  
J M Nidagundi, University of Agricultural Sciences, India

11:45 - 12:05  
Title: Heat and humidity trigger plastic changes in body lipids and starvation resistance in the tropical Zaprionus indianus  
Girish Thimahalli Nagaraj, Sri Sathyai Sai Institute of Higher Learning, India

12:05 - 12:25  
Title: Accumulation and utilization changes of energy metabolites under cold and desiccation stress suggests a possible energetic homeostasis in Drosophila immigrans  
Aditya Moktan Tamang, Indira Gandhi National Tribal University, India

12:45 - 13:05  
Title: Rice seed: Integrated source of genetic potential and nutritional quality  
Jayateertha Diwan, University of Agricultural Sciences, India

Lunch Break 13:05 - 14:05 @ PUBLIC Restaurant

Session Introduction
Chair: P.M. Salimath, University of Agricultural Sciences, India  
Co-Chair: Rajnikant Dixit, ICMR-National Institute of Malaria Research, India

14:05 - 14:25  
Title: Decoding the molecular secrets of mosquito-microbe-parasite interactions and malaria transmission in Indian malarial vectors  
Rajnikant Dixit, ICMR-National Institute of Malaria Research, India

14:25 - 14:45  
Title: Natural peptide from rattlesnake venom as a tool for gene therapy  
Mirian A. F. Hayashi, Universidade Federal de Sao Paulo, Brazil

14:45 - 15:05  
Title: Relation between genetic integrity and metabolic activity in pre-implantation stage embryos  
Satish Kumar Adiga, Manipal University, India

15:05 - 15:25  
Title: Recognizing the several-years ambiguity of the relationship between chronic stress and obesity based on modern medical research and genetics  
Mahdi Akhbardeh, Tehran Medical University, Iran

Networking and Speaker Interviews