4th World Conference on SYNTHETIC BIOLOGY AND GENETIC ENGINEERING

November 09-10, 2017  Singapore
Day 1 November 09, 2017

Hall @ Seletar Foyer 2 (Room No.3)

09:15-09:30 Opening Ceremony

Keynote Forum

09:30-10:15
Title: STAT3 as a molecular target for prostate cancer prevention and therapy
Gautam Sethi, National University of Singapore, Singapore

Title: The effect of cross-reactive antibodies on immunogenicity of live-attenuated vaccine: A systems approach
Chan Kuan Rong, Duke-NUS Medical School, Singapore

10:15-11:00
Session Introduction

Session Chair: Rameen Shakur, University of Cambridge, UK
Session Co-chair: Ronald Naumann, Max Planck Institute of Molecular Cell Biology and Genetics, Germany

11:15-12:15
Title: Modeling clinical inherited cardiac diseases: Implications for personalized medicine
Rameen Shakur, University of Cambridge, UK

Sessions:
Healthcare | Drug Discovery | Genomic Engineering | Gene Editing | System Biology | Protein Engineering

12:15-13:00
Title: Protective effects of ursolic acid against gamma irradiation induced injury through NF-κB pathway
Wang Hong, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Lunch Break 13:00-14:00 @ Atrium Restaurant

14:00-14:45
Title: Thymoquinone exhibit anti-tumor effect and attenuates bone metastasis of triple negative breast cancer cells through the suppression of SDF1/CXCR4 chemokine signaling axis
Muthu K Shanmugam, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Title: The potential molecular targets of Fangchinoline for cancer therapy
Srishti Mishra, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

14:45-15:15
Title: Identification and characterization of molecular targets of Tris DBA [tris(dibenzylideneacetone) dipalladium(0)] for cancer therapy
Loukik Arora, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

15:15-15:45
Networking & Refreshment Break 15:45- 16:00 @ Seletar Foyer

16:00-16:30
Title: Assessment of seed dispersal through metagenomic analysis of the dna-barcoded fruit-bat species’ diet in the tropical lowland forest of palanan, Isabela
Jessica D Rey, University of the Philippines Dilliman, Philippines

16:30-17:00
Title: Integrating photocell sensors and associative memory machine learning model for blood leakage detection during dialysis therapy: Animal experiment
Ping-Tzan Huang, National Tsing Hua University, Taiwan

17:00-17:30
Title: Why pregnant women do not adherent to iron/folate supplementation? A cross-sectional study
Soraya Siabani, Kermanshah University of Medical Sciences, Iran

Panel Discussions

Day 2 November 10, 2017

Hall @ Seletar Foyer 2 (Room No.3)

Keynote Forum

08:45-09:15 Registrations

09:15-09:30 Opening Ceremony

09:30-10:15
Title: STAT3 as a molecular target for prostate cancer prevention and therapy
Gautam Sethi, National University of Singapore, Singapore

10:15-11:00
Group Photo

Networking & Refreshment Break 11:00-11:15 @ Seletar Foyer

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Panel Discussions
Title: Genetic polymorphism of vesicular monoamine transporter 1 gene (SLC18A1) in Emirati population
Abdullah Al Mutery, University of Sharjah, UAE

Title: Molecular characteristics of Aradi goats with prediction equation of growth pattern
A M Alseaf, Qassim University, Saudi Arabia

Networking & Refreshment Break 11:00-11:15 @ Seletar Foyer

Title: Managing a successful transgenic mouse facility under full-cost accounting
Ronald Naumann, Max Planck Institute of Molecular Cell Biology and Genetics, Germany

Sessions:
Genomic Engineering | Protein Engineering | Applications of Synthetic Biology | Artificial DNA synthesis | System Biology
| Mammalian Synthetic Biology | Biosensors | Engineered Cell Therapies and Antibodies | Plant Synthetic Biology

Session Introduction

Session Chair: Ronald Naumann, Max Planck Institute of Molecular Cell Biology and Genetics, Germany
Session Co-chair: Gautam Sethi, National University of Singapore, Singapore

Title: Modified oligonucleotides - A universal tool for synthetic biology and biophysics
Georgiy Yu Shevelev, Institute of Chemical Biology and Fundamental Medicine SB RAS, Russia

Lunch Break 13:00-14:00 @ Atrium Restaurant

Title: Genetic mutations of mitochondrial 12s rRNA in non-syndromic hearing loss in UAE
Walaa Kamal, Autonoma University of Barcelona, Spain
Title: Interindividual differences in the response to aerobic exercise in women abdominal obese with the polymorphism of uncoupling Protein-1 Gene
Diniwati Mukhtar, YARSI University, Indonesia
Title: In vitro regeneration and Agrobacterium mediated transformation of Sesamum indicum L.
Masochon Zimik, Pondicherry University, India

Networking & Refreshment Break 15:45-16:00 @ Seletar Foyer

Title: Cloning and expression of CYP81Q1 from Sesamum indicum L.
Kishan Chandra, Pondicherry University, India

Poster Session 16:30-17:00

P-001 Title: In vitro regeneration and Agrobacterium mediated transformation of Sesamum indicum L.
Masochon Zimik, Pondicherry University, India
P-002 Title: Cloning and expression of CYP81Q1 from Sesamum indicum L.
Kishan Chandra, Pondicherry University, India
P-003 Title: Identification of functional SNP of FASN related to lipid metabolism in Korean cattle
Yoonseok Lee, Hankyong National University, South Korea

Panel Discussions
Awards and Closing Ceremony

Next in Series
5th World Conference on
Synthetic Biology and Genetic Engineering
August 27 -28, 2018   Tokyo, Japan

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