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734th Conference

Scientific Program

2nd World Congress on

Bio Summit & Molecular Biology expo

October 10-12, 2016 Dubai, UAE



Hosting Organization: Conference Series LLC

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Keynote Forum

Introduction

10:00-10:45

Ligand-directed targeting and molecular imaging based on vascular zip codes revealed by in vivo phage display

Renata Pasqualini, University of New Mexico Health Sciences Center, USA

10:45-11:30

Mesenchymal Stem Cells from potential risk of tumor to specific anti-tumor therapy

Giuseppe Mucci, Bioscience Clinic and Bioscience Institute, Italy

Group Photo

Networking & Refreshment Break 11:30-11:45 @ Foyer

Session:

Molecular Biology and Biochemistry | Frontiers in Biotechnology | Medical Biotechnology | Nano Biotechnology | Molecular Biology & Immunology | Biochemistry | Microbiology

Session Chair: Giuseppe Mucci, Bioscience Clinic and Bioscience Institute, Italy

Session Co-chair: Valentina Giaccaglia, University of Rome, Italy

Session Introduction

11:45-12:15

Hemoglobin derivatives concentration enhancement after usage of magnetic treated water (MTW)

Bassem Raafat, Taif University, KSA

12:15-12:45

CRISPR-Cas 9 system; the new tool to design our own bio-production system

Saif Aldeen S AlRyalat, University of Jordan School of Medicine, Jordan

12:45-13:15

Molecular research on Alzheimer's disease of Saudi patients and its applications

Fadia El Bitar, King Faisal Specialist Hospital and Research Center, Saudi Arabia

Lunch Break 13:15-14:00 @ Market Place

14:00-14:30

Procalcitonin Reveals Early Dehiscence in Colorectal Surgery: The PREDICS Study

Valentina Giaccaglia, University of Rome, Italy

14:30-15:00

Potential of camel-derived hemoglobin oxygen carriers as a blood substitute

Mohamed Mostafa Shokry, Cairo University, Egypt

15:00-15:30

4D molecular scale imaging of the effect of suicide anticancer Nano-particles on individual live cancer cells

Hosam Gharib Abdelhady, Taibah University, KSA

Networking & Refreshment Break 15:30-15:45 @ Foyer

15:45-16:15

The association of single nucleotide polymorphism of interleukin-21 gene and serum interleukin-21 levels with systemic lupus erythematosus

Dina Mohammad Erfan, Ain Shams University, Egypt

16:15-16:45

Potential use of marine Enterococcus spp. to ferment seaweeds and enhance anticoagulant properties

Khouloud M Barakat, National Institute of Oceanography & Fisheries, Egypt

16:45-17:15

Membrane Extractions and Adsorptions in Separation of Biomolecules from Multicomponent Mixtures

Md Monwar Hossain, United Arab Emirates University, UAE

17:15-17:45

Development of DNA aptamers against human heart type fatty acid binding protein for early detection of acute myocardial infarction

Pranab Goswami, Indian Institute of Technology Guwahati, India

17:45-18:15

Exploration and Purification of Bioactive compound from seaweeds against human bacterial pathogen

Sahaya Sukeetha, Bharathidasan University, India

Panel Discussion

Day 2 October 11, 2016

Salon-V

Keynote Forum

09:00-09:45 **Academic Technology Transfer in the Middle East: A Focus on Open Innovation**
Mark G Bloom, Sidra Medical and Research Center, Qatar

09:45-10:30 **Work Shop on Feasibility of investing time and money in Genetic engineering; Commercial's perspective**
Saif Aldeen S AIRyalat, University of Jordan School of Medicine, Jordan

Networking and Refreshments 10:30-10:45 @ Foyer

Sessions:

**Genetic Engineering | Nano Science | Biomedical and Translational Research | Microbiology | Molecular Biology |
Genome Engineering | Biotechnology & its applications | Microbial Genomics**

Session Chair: Mark G Bloom, Sidra Medical and Research Center, Qatar

Session Co-chair: V Rajendran, Centre for Nano Science and Technology, India

Session Introduction

10:45-11:15 **Development of nanocomposite materials for biomedical applications**
V Rajendran, Centre for Nano Science and Technology, India

11:15-11:45 **The oral microbiome and salivary biomarkers in health and disease**
Farah Ibrahim Al-Marzooq, Research Institute of Medical & Health Sciences, University of Sharjah, UAE

11:45-12:15 **Nanotoxicity-nano threat to nature**
Meonis Pithawala, Uka Tarsadia University, India

12:15-12:45 **Role of vitamin D deficiency in susceptibility to tuberculosis and treatment response**
Kashaf Junaid, University of the Punjab, Pakistan

12:45-13:15 **Molecular characterization of the activity and requirements of a novel and promiscuous bacteriophage integrase**
Mohammed R Mohaisen, University of Liverpool, UK

Lunch Break 13:15-14:00 @ Market Place

14:00-14:30 **Molecular Basis of Multiple Sclerosis explains the disease pathophysiology**
Eiman M A Mohammed, Kuwait Cancer Control Centre, Kuwait

14:30-15:00 **Reduction in radiation induced DNA damage in human peripheral blood lymphocytes by treatments of
Alstonia scholaris bark extracts**
Dhruvi Mistry, Uka Tarsadia University, India

15:00-15:30 **Development of an anti-VEGF Fc-fusion angiogenesis-inhibiting protein**
Sanjukta Chakrabarti, Deakin University, Australia

Networking & Refreshment Break 15:30-15:45 @ Foyer

15:45-16:15 **Tracing the neuroblasts from subventricular zone to olfactory bulb in adult mice brains using anti-doublecortin
antibodies and H&E stain**
Zainab Zahid Saadoon, Baghdad University, Iraq

16:15-16:45 **ROS might Just be a sideshow: Exploring simultaneous observation of mTORC1 activity and increase in ROS**
Mohammad Farahmandnia, University of Medical Sciences, Iran

16:45-17:15 **Reproductive toxicity of aqueous wood-ash extract of parkia biglobosa on male swiss albino mice**
Timothy Auta, Federal University Dutsinma, Nigeria

17:15-17:45 **Evaluation of Antimicrobial, Antioxidant Activity and Preliminary Phytochemical Investigation of Medicinal
Plants Used in Traditional Medicine**
Saadia Mohammed Ali, Integral University, India

17:45-18:15 **Dissecting functional importance of polyketide modifying enzymes in mycobacterial biology**
Priti Saxena, South Asian University, India

18:15-18:30 **Engineering consequences of recent discovery of gravitational waves**
Srinivasa Rao Jammi, Vibration Institute, India

Panel Discussion

Awards & Closing Ceremony

Day 3 October 12, 2016

B2B and Extended Network Session and Lunch 12:30-13:30 @ Market Place