Scientific Program

Day 1 November 02, 2015

08:30-09:30 Registrations

Murjan 3

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09:30-09:55 Opening Ceremony

Keynote Forum	
09:55-10:00	Introduction
10:00-10:30	**Lawrence D Sullivan** **Lawrence D Sullivan & Company, Inc. USA**
10:30-11:00	**Giuseppe Mucci** **Bioscience Clinic Middle East, UAE**
	Coffee Break 11:00-11:15
11:15-11:45	**Louis Herlands** **Sidra Medical and Research Center, Qatar**
11:45-12:15	**N Nirmalakhandan** **New Mexico State University, USA**
Track 1: Frontiers in Biotechnology Track 2: Biotechnology and its Applications Track 3: Advances in Antimicrobial Therapeutics Track 13: Bio ceo & investors conclave	
Session chair: N Nirmalakhandan, New Mexico State University, USA **Session co-chair: Nizar Abuharfeil,** Jordan university of science and technology, Jordan	
	Session Introduction
12:15-12:35	**Differentiation of periodontal ligament stem cells to urothelial cells** **Nizar Abuharfeil,** Jordan university of science and technology, Jordan
12:35-12:55	**Macrophages with inverse phenotype: reprogramming biotechnology and implication in tumor** **Igor Malyshev,** Moscow State University of Medicine and Dentistry, Russian Federation
12:55-13:15	**p53-dependent regulation of mitochondrial energy production by the NF-κB** **Ini-Isabée Witzel,** Newcastle University, United Kingdom
	Lunch Break 13:15-14:00
14:00-14:20	**Chlamydia trachomatis: Insights into host-pathogen interactions** **Munir A Al-Zeer,** Max Planck Institute, Germany
14:20-14:40	**Biologically active recombinant gonadotropins and prolactin of buffalo (bubalus bubalis)** **Kambadur Muralidhar,** South Asian University, India
14:40-15:00	**Mechanistic versatility of type iii polyketide synthases from corynebacterineae** **Priti Saxena,** South Asian University, India
15:00-15:20	**Enzymatic pretreatment of microalgae for enhanced proteins extraction** **Sulaiman Al-Zuhair,** United Arab Emirates University, UAE
15:20-15:40	**Antiurolithic effect of phytochemicals: an explanation of the underlying mechanisms** **Sarmistha Saha,** Gujarat University, India
15:40-16:00	**The halophyte salicornia Bigelovii, a promising feedstock For biofuels and biochemicals production In Arid Areas** **Mette Hedegaard Thomsen,** Masdar Institute, United Arab Emirates

	Coffee Break 16:00-16:15
16:15-16:35	**Algal technology for sustainable urban wastewater treatment**
	N Nirmalakhandan, New Mexico State University, USA
16:35-16:55	**Critical role of microrna-33 in metabolic syndrome**
	Gharipour M, Isfahan Cardiovascular Research Institute, Iran
	Panel Discussion

Day 2 November 03, 2015	
Murjan 3	
Keynote Forum	
09:30-10:00	**Mark G Bloom** **Sidra Medical and Research Center, Qatar**
10:00-10:30	**Khawla Al-Kuraya** **King Faisal Specialist Hospital and Research Centre, Saudi Arabia**
10:30-11:00	**Godfrey Grech** **University of Malta, Malta**
	Coffee Break 11:00-11:15
Track 4: Biomedical and Translational Medicine Research Track 5: Medical Biotechnology Track 6: Bio Manufacturing Track 11: Industrial biotechnology Track 12: Bioinformatics	
Session chair: Godfrey Grech, University of Malta, Malta **Session co-chair: Dalia M Kamel,** Ahlia University, Kingdom of Bahrain	
	Session Introduction
11:15-11:35	**Ergonomics and the womens safety and health**
	Dalia M Kamel, Ahlia University, Kingdom of Bahrain
11:35-11:55	**Treatment of type 2 diabetes and its complications with an innovative biotechnology based on zebra fish embryos stem cells differentiation stage factors**
	Guido Norbiato, Luigi Sacco University Hospital, Italy
11:55-12:15	**A new, safe and reproducible procedure to improve soft tissue augmentation outcomes**
	Giuseppe Mucci, Bioscience Clinic Middle East, UAE
12:15-12:35	**E2216...a promising drug lead that inhibits hcv infectivity in a genotype-independent manner**
	Reem Al Olaby, Qatar Biomedical Research Institute, Qatar
12:35-12:55	**Association of functional polymorphisms of Bax and Bcl2 genes in schizophrenia**
	Kristina Pirumyan, National Academy of Sciences of the Republic of Armenia, Armenia
12:55-13:15	**Lincomycin antibiotic biosynthesis produced by Streptomyces sp. isolated from Saudi arabia soil: i-taxonomical, antimicrobial and insecticidal studies**
	Najla Abdul Rahman AL-Meshhen, Dammam University, Saudi Arabia
	Lunch Break 13:15-14:00
Session chair: Bassem M Raafat, Taif University, Kingdom of Saudi Arabia **Session co-chair: Dalia M Kamel,** Ahlia University, Kingdom of Bahrain	
14:00-14:20	**Antimicrobial activity of some medicinal plants against some oral pathogens**
	Saadia Mohammed Ali, Integral University, India
14:20-14:40	**Macrophages reprogrammed in vitro towards M1 phenotype extend lifetime of mice with Ehrlich ascites carcinoma**
	Svetlana Lyamina, Moscow State University, Russian Federation

14:40-15:00	**Usage of magnetized water (MW) as a drinking water to enhance hemoglobin derivatives concentrations after usage of DMSA as a chelator of lead ions intoxication**
	Bassem M Raafat, Taif University, Kingdom of Saudi Arabia
	Coffee Break 15:00-15:15
15:15-15:35	**The future role of stem cells as antimicrobial therapeutics**
	Khalid Al-Anazi, King Fahad Specialist Hospital, Saudi Arabia
15:35-15:55	**Molecular classification of breast cancer using a multiplex assay**
	Godfrey Grech, University of Malta, Malta
15:55-16:15	**Academic technology transfer in the Middle East: a focus on Biomedical innovation**
	Mark G Bloom, Sidra Medical and Research Center, Qatar
	Panel Discussion

Day 3 November 04, 2015	
Murjan 3	
Keynote Forum	
09:30-10:00	**Firdos Alam Khan** **Manipal University Dubai, UAE**
10:00-10:30	**Daniel Garbe** **Technische Universität München, Germany**
	Coffee Break 10:30-10:45
Track 7: Biomedical Engineering Track 8: Biochemistry Track 9: Nano biotechnology Track 10: Petroleum & Environmental Biotechnology	
Session chair: Firdos Alam Khan, Manipal University Dubai, UAE **Session co-chair: Igor Malyshev,** Moscow State University of Medicine and Dentistry, Russian Federation	
	Session Introduction
10:45-11:05	**Designing smart carriers for biosensors, tissue engineering, and directed cell growth by teaming up semiconductor wafers from micro/nano-electronics and polymer supports from biotechnology**
	Heidemarie Schmidt, Chemnitz University of Technology, Germany
11:05-11:25	**Applications of nanobiotechnological strategies in phytopathology**
	Kamel Ahmed Abd-Elsalam, Agricultural Research Center (ARC) Plant Pathology Research Institute, Egypt
11:25-11:45	**Development of novel talus implant based on artificial neural network prediction of talus morphological parameters**
	Siti Haryani Tomadi, Universiti Malaysia Pahang, Malaysia
11:45-12:05	**TO-HA- Creating oxide interlayer through thermal oxidation improves adhesion strength of hydroxyapatite coating on Co-Cr-Mo substrates**
	Mas Ayu Binti Hassan, Universiti Malaysia Pahang, Malaysia
12:05-12:25	**Ribokinase: A possible target for chemotherapy in protozoans**
	Patrick O Ogbunude, University of Nigeria, Nigeria
12:25-12:45	**High-quality domain-based protein interaction mapping: application for drug discovery**
	Samy SAKR, Hybrigenics services, France
	Panel Discussion
	Closing Ceremony
	Lunch Break 13:00-13:45