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Scientific Program

1605th Conference

4TH WORLD CONGRESS ON
HUMAN GENETICS AND GENETIC DISEASES
&
3RD INTERNATIONAL CONFERENCE ON
MOLECULAR MEDICINE AND DIAGNOSTICS

APRIL 19-20, 2018 DUBAI, UAE



Conference Series - UK

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08:30-09:00

Registration Opens

Salon V,VI,VII

09:00-09:20

Opening Ceremony

09:20-10:00

Keynote Presentation

Title: Reducing the burden of genetic diseases via IVF and preimplantation genetic diagnosis

Nabil Arrach, Progenesis Inc & University of California, USA



10:00-10:40

Keynote Presentation

Title: Advances in our understanding of human genome, and how it has changed the way we diagnose, prevent & treat disease

Manjeet S Mehta, Genetic World, Molecular Genetics Laboratory, India



10:40-10:50

Networking and Refreshments Break with Group Photo @ Foyer

Scientific Sessions: Human Genetics | Genetic Diseases | Gene Mutation | Molecular Therapies

Session Chair: **Ghada Al-Kafaji**, Arabian Gulf University, Bahrain

10:50-11:10

Title: Combining DNase hypersensitivity data and transcription factor expression to identify putative regulatory regions in leukemia

Korbinian Grote, Genomatix AG, Germany

11:10-11:30

Title: Clinical pharmacogenetics of CYP3A4 in MAT for OUD: A case for diversity

Bradford D Wilson, Howard University, USA

11:30-11:50

Title: The discovery of the "Skipping Generations" phenomenon

Mouza Mohammed AlFashti AlAleeli, Sheikh Khalifa General Hospital, UAE

11:50-12:10

Title: Current status and perspectives of stem cell and cloning technologies in regenerative medicine and disease therapeutics

Sayed Morteza Hosseini, Advanced Center for Biotechnology, UAE

12:10-12:30

Title: Differentiation of mesenchymal stem cells derived from umbilical cord blood into hepatocyte

Nagwan A Sabek, Suez Canal University, Egypt

12:30-12:50

Title: Defects of mitochondrial genome in diabetic nephropathy: Role and clinical relevance

Ghada Al-Kafaji, Arabian Gulf University, Bahrain

12:50-13:10

Title: A novel LHFPL5 mutation causes autosomal recessive hearing loss in an Omani family

Ahmed Al- Amri, National Genetic Center Royal Hospital, Oman

Lunch Break 13:10-14:00 @ The Marketplace Restaurant

Workshop

14:00-15:00

Title: Droplet Digital PCR: A sensitive diagnostic tool in molecular medicine

Ayca Ulgen, Bio Rad Laboratories, UAE

Scientific Sessions: Molecular Medicine | Molecular Biology | Molecular pathology | Molecular Modeling and Dynamics

Session Chair: **Abdulkarim Jamal**, Warwick University, United Kingdom

15:00-15:20

Title: Targeting AMPK, mTOR and β Catenin by Combined Metformin and Aspirin Therapy in HCC: An Appraisal in Egyptian HCC Patients

Doaa Ali Abdelmonsif, Alexandria University, Egypt

15:20-15:40

Title: Effect of local endometrial injury in proliferative vs. luteal phase on IVF outcomes in unselected subfertile women undergoing in vitro fertilization

Ying Liu, Capital Medical University, China

15:40-16:00

Title: Whole body diffusion weighted MRI in the detection of skeletal metastasis our experience with 1.5 and 3 Tesla MRI

Abdulkarim Jamal, Warwick University, United Kingdom

16:00-16:15

Networking and Refreshments Break @ Foyer

16:15-16:35

Title: Hormonal manipulation induces differentiation of pancreatic progenitor cells into insulinsecretingislet β -cells

Wen Xiong, Sichuan Provincial People's Hospital, China

16:35-16:55

Title: Impact of stem cell-derived extracellular vesicles on cell fate decisions – Implications in tissue regeneration

Sylwia Bobis-Wozowicz, Jagiellonian University, Poland

16:55-17:15

Title: Iatrogenic iodinated contrast induced nephrotoxicity

Abdulkarim Jamal, Warwick University, United Kingdom

Panel Discussion

Friday 20th April 2018

Day 2

Salon V,VI,VII

Introduction

Keynote presentation

09:00-09:40

Title: RegenerAge System: Therapeutic effects of combinatorial biologics (mRNA and allogenic MSCs) with a spinal cord stimulation system on a patient with spinal cord section

Joel I. Osorio, Westhill University, Mexico



Scientific Sessions: Molecular Genetics | Medical Diagnosis | Cell and Gene Therapy | Stem Cell & Regeneration | MolecularMicrobiology Nuclear Medicine & Molecular Imaging

09:40-10:00

Title: Solubilization of NADPH-Cytochrome P450 Oxidoreductase

Sara Arafah, USA

10:00-10:20

Title: Newborn with marker chromosome derived from chromosomes 11 and 22: A case report
Mohammad Yahya Vahidi Mehrjard, Shahid Sadoughi University of Medical Sciences, Iran

10:20-10:35

Networking and Refreshments Break with Group Photo @ Foyer

Scientific Sessions: Molecular Modeling | Gene Sequencing | Pharmacogenetics | Immunogenetics | Translational Medicine

Session Chair: **Bradford D Wilson**, Howard University, USA

10:35-11:00

Title: Methylation level of HLA-E transgene in the xenogeneic tissues of transgenic pigs

Marlena Szalata, Poznan University of Life Sciences, Poland

11:00-11:25

Title: Development of an innovative technology using transgenic porcine tissues for biomedical purposes

Ryszard Slomski, Poznan university of Life Sciences, Poland

11:25-11:50

Title: Determination of genetic cause in cases of developmental delay: A retrospective study in Indian cohort

Namrata Londhe, Kokilaben Dhirubhai Ambani Hospital, India

11:50-12:15

Title: Correlation between expressions of IL-3, IL-6 and IL-11 genes and chronic myeloid leukemia

Serhat Seyhan, Bakirkoy Dr. Sadi Konuk Training and Research Hospital, Turkey

12:15-12:40

Title: BRCA1 and BRCA2 mutations in Senegalese women with hereditary breast cancer

Rokhaya Ndiaye Diallo, University Cheikh Anta Diop, Senegal

Lunch Break 12:40-13:40 @ The Marketplace Restaurant

Young Research Forum Presentations

13:40-13:55

Title: Detecting sensitivity of cancer to drugs through SIFT-MS

Abdulrahman Fahad AlGwaiz, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

13:55-14:10

Title: Quantitative analysis of human herpes virus 6 DNA in patients treated for acute leukemia

Radwa Hussein Mohamed Ghoraba, Alexandria University, Egypt

14:10-14:25

Title: Optogenetics in 3D combining genetic engineering with tissue engineering for future cell applications

Khalid Bin Ghali, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

14:25-14:40

Title: Transfection of human beta-globin gene into the AAVS1 locus of K562 cell line using CRISPR/ Cas9 technology

Elahe Alikhani, Tehran University of Medical Sciences, Iran

14:40-14:55

Title: Detecting sensitivity of cancer to drugs through SIFT-MS

Feras Alrakaf, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

14:55-15:10

Title: Optogenetics in 3D combining genetic engineering with tissue engineering for future cell applications

Mohammed Algahtani, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

15:10-15:30

Networking and Refreshments Break @ Foyer

Poster Presentations @ 15:30-17:00

HGM-001

Title: GST genes (GSTM1 and GSTT1) polymorphism in Georgian population

Maya N Gaiozishvili, Ivane Javakhishvili Tbilisi State University, Georgia

HGM-002

Title: Genome instability in pulmonary tuberculosis

Tamar J Buadze, Ivane Javakhishvili Tbilisi State University, Georgia

HGM-003

Title: Association of set of alleles with general and central obesity and its related metabolic disorders
Neveen Salaheldin Hemimi, RAK Medical and Health Sciences University, UAE

HGM-004

Title: Oxidative stress and genetic damage in patients with hypercholesterolemia
Monika Monu, Guru Nanak Dev University, India

HGM-005

Title: Impact of radiofrequency radiation on DNA damage and lipid peroxidation in males residing in the vicinity of mobile phone base stations
Ramanpreet, Guru Nanak Dev University, India

HGM-006

Title: DNA damage in patients with hypothyroidism
Komal, Guru Nanak Dev University, India

MMD-007

Title: Characterization of nematocidal activity of MRJP-containing glycoproteins from honey
Bushra Bilal, University of Karachi, Pakistan

MMD-008

Title: Preventive role of gabapentin in transmission of inflammatory nociception in acute and sub-chronic inflammatory models of rat
Huma Jawed, Mohammad Ali Jinnah University, Pakistan

MMD-009

Title: Minimal step approach for phosphate free purification of FtsZ GTPase from *Salmonella typhimurium* and its functional characterization and optimization of rapid screening GTPase assay
M Faisal Shahid, Mohammad Ali Jinnah University, Pakistan

MMD-010

Title: Polymorphism FSHR (-29G/A) as a genetic agent together with ESRI (XbaIG/A) in women with poor response to controlled ovarian hyperstimulation
Sayyed Mohammad Hossein Ghaderian, Shahid Beheshti University of Medical Sciences, Iran

MMD-011

Title: Comparative transcriptomics of mango (*Mangifera indica* L.) cultivars provide insights of biochemical pathways involved in flavor and color
Safina Abdul Razzak, Muhammad Ali Jinnah University, Pakistan

HGM-012

Title: Mutational analysis of Gaucher's disease patients in Pakistani population
Khitab Gul, Muhammad Ali Jinnah University, Pakistan

HGM-013

Title: The high expression levels of miRNAs in BRCA1 related hereditary ovarian cancer
Betul Celik, Istanbul University, Turkey

HGM-014

Title: miRNAs leading to increase susceptibility of hereditary ovarian cancer
Betul Celik, Istanbul University, Turkey

HGM-015

Title: Frequency of rearrangements versus small indels mutations in BRCA1 and BRCA2 genes in Turkish patients with high risk breast and ovarian cancer
Betul Celik, Istanbul University, Turkey

HGM-016

Title: Determination of genetic cause in cases of developmental delay: A retrospective study in Indian cohort
Namrata Londhe, Kokilaben Dhirubhai Ambani Hospital, India

HGM-017

Title: Combining DNase hypersensitivity data and transcription factor expression to identify putative regulatory regions in leukemia
Korbinian Grote, Genomatix AG, Germany

HGM-018

Title: Methylation level of HLA-E transgene in the xenogeneic tissues of transgenic pigs
Marlena Szalata, Poznan University of Life Sciences, Poland

HGM-019

Title: Development of an innovative technology using transgenic porcine tissues for biomedical purposes
Ryszard Slomski, Poznan University of Life Sciences, Poland

Panel Discussion

Award Ceremony