Scientific Program

4th World Congress on Human Genetics and Genetic Diseases & 3rd International Conference on Molecular Medicine and Diagnostics

April 19-20, 2018   Dubai, UAE
Thursday 19th April 2018

08:30-09:00
Registration Opens

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, Progenosis 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

10:50-11:10
Scientific Sessions: Human Genetics | Genetic Diseases | Gene Mutation | Molecular Therapies
Session Chair: Ghada Al-Kafaji, Arabian Gulf University, Bahrain

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
Sayyed 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

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

14:00-15:00
Workshop
Title: Droplet Digital PCR: A sensitive diagnostic tool in molecular medicine
Ayca Ulgen, Bio Rad Laboratories, UAE
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<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>15:00-15:20</td>
<td><strong>Title:</strong> Targeting AMPK, mTOR and β-Catenin by Combined Metformin and Aspirin Therapy in HCC: An Appraisal in Egyptian HCC Patients&lt;br&gt;A. Abdelmonsif, Alexandria University, Egypt</td>
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<td>15:20-15:40</td>
<td><strong>Title:</strong> Effect of local endometrial injury in proliferative vs. luteal phase on IVF outcomes in unselected subfertile women undergoing in vitro fertilization&lt;br&gt;Ying Liu, Capital Medical University, China</td>
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<td>15:40-16:00</td>
<td><strong>Title:</strong> Whole body diffusion weighted MRI in the detection of skeletal metastasis our experience with 1.5 and 3 Tesla MRI&lt;br&gt;Abdulkarim Jamal, Warwick University, United Kingdom</td>
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<td>16:00-16:15</td>
<td>Networking and Refreshments Break @ Foyer</td>
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<td>16:15-16:35</td>
<td><strong>Title:</strong> Hormonal manipulation induces differentiation of pancreatic progenitor cells into insulin-secreting islet β-cells&lt;br&gt;Wen Xiong, Sichuan Provincial People’s Hospital, China</td>
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<td>16:35-16:55</td>
<td><strong>Title:</strong> Impact of stem cell-derived extracellular vesicles on cell fate decisions – Implications in tissue regeneration&lt;br&gt;Sylwia Bobis-Wozowicz, Jagiellonian University, Poland</td>
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<td>16:55-17:15</td>
<td><strong>Title:</strong> Iatrogenic iodinated contrast induced nephrotoxicity&lt;br&gt;Abdulkarim Jamal, Warwick University, United Kingdom</td>
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<td>09:00-09:40</td>
<td><strong>Title:</strong> RegenerAge System: Therapeutic effects of combinatorial biologics (mRNA and allogenic MSCs) with a spinal cord stimulation system on a patient with spinal cord section&lt;br&gt;Joel I. Osorio, Westhill University, Mexico</td>
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<td>09:40-10:00</td>
<td><strong>Title:</strong> Solubilization of NADPH-Cytochrome P450 Oxidoreductase&lt;br&gt;Sara Arafah, USA</td>
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<td>10:00-10:20</td>
<td><strong>Title:</strong> Newborn with marker chromosome derived from chromosomes 11 and 22: A case report&lt;br&gt;Mohammad Yahya Vahidi Mehrjard, Shahid Sadoughi University of Medical Sciences, Iran</td>
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### Scientific Sessions:

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<td>10:35-11:00</td>
<td>Methylation level of HLA-E transgene in the xenogeneic tissues of transgenic pigs</td>
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<td>Marlena Szalata, Poznan University of Life Sciences, Poland</td>
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<td>11:00-11:25</td>
<td>Development of an innovative technology using transgenic porcine tissues for biomedical purposes</td>
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<td>Ryszard Slomski, Poznan university of Life Sciences, Poland</td>
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<td>11:25-11:50</td>
<td>Determination of genetic cause in cases of developmental delay: A retrospective study in Indian cohort</td>
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<td>Namrata Londhe, Kokilaben Dhirubhai Ambani Hospital, India</td>
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<td>11:50-12:15</td>
<td>Correlation between expressions of IL-3, IL-6 and IL-11 genes and chronic myeloid leukemia</td>
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<td>Serhat Seyhan, Bakirkoy Dr. Sadi Konuk Training and Research Hospital, Turkey</td>
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<td>12:15-12:40</td>
<td>BRCA1 and BRCA2 mutations in Senegalese women with hereditary breast cancer</td>
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<td>Rokhaya Ndiaye Diallo, University Cheikh Anta Diop, Senegal</td>
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### Young Researchers Forum Presentations

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<tr>
<td>13:40-13:55</td>
<td>Detecting sensitivity of cancer to drugs through SIFT-MS</td>
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<td>Abdulrahman Fahad Algwaiz, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia</td>
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<td>13:55-14:10</td>
<td>Quantitative analysis of human herpes virus 6 DNA in patients treated for acute leukemia</td>
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<td>Radwa Hussein Mohamed Ghoraba, Alexandria University, Egypt</td>
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<td>14:10-14:25</td>
<td>Optogenetics in 3D combining genetic engineering with tissue engineering for future cell applications</td>
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<td>Khalid Bin Ghali, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia</td>
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<td>Transfection of human beta-globin gene into the AAVS1 locus of K562 cell line using CRISPR/ Cas9 technology</td>
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<td>Elahe Alikhani, Tehran University of Medical Sciences, Iran</td>
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<td>Detecting sensitivity of cancer to drugs through SIFT-MS</td>
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<td>Feras Alrakaf, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia</td>
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<td>Mohammed Algahtani, Al-Imam Mohammad Ibn Saud Islamic University, Saudi Arabia</td>
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### Networking and Refreshments Break

15:10-15:30 Networking and Refreshments Break @ Foyer

### Poster Presentations

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<tr>
<td>GST genes (GSTM1 and GSTT1) polymorphism in Georgian population</td>
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<td>Maya N Gaiozishvili, Ivane Javakhishvili Tbilisi State University, Georgia</td>
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<td>Genome instability in pulmonary tuberculosis</td>
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<td>Tamar J Buadze, Ivane Javakhishvili Tbilisi State University, Georgia</td>
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<td>Association of set of alleles with general and central obesity and</td>
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<td>its related metabolic disorders</td>
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<td>Oxidative stress and genetic damage in patients with hypercholesterolemia</td>
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<td>Impact of radiofrequency radiation on DNA damage and lipid peroxidation in males residing in the vicinity of mobile phone base stations</td>
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<td>DNA damage in patients with hypothyroidism</td>
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<td>Characterization of nematicidal activity of MRJP-containing glycoproteins from honey</td>
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<td>Preventive role of gabapentin in transmission of inflammatory nociception in acute and sub-chronic inflammatory models of rat</td>
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<td>Polymorphism FSHR (-29G/A) as a genetic agent together with ESRI (XbaI G/A) in women with poor response to controlled ovarian hyperstimulation</td>
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<td>Comparative transcriptomics of mango (Mangifera indica L.) cultivars provide insights of biochemical pathways involved in flavor and color</td>
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<td>Mutational analysis of Gaucher’s disease patients in Pakistani population</td>
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<td>The high expression levels of miRNAs in BRCA1 related hereditary ovarian cancer</td>
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<td>miRNAs leading to increase susceptibility of hereditary ovarian cancer</td>
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<td>Frequency of rearrangements versus small indels mutations in BRCA1 and BRCA2 genes in Turkish patients with high risk breast and ovarian cancer</td>
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