

## DAY ONE MONDAY, 30<sup>th</sup> November, 2015

<b>7:45-09:00</b>	<b>REGISTRATION</b>
<b>SESSION I OPENING AND WELCOMING SESSION</b>	
<b>Chairperson: Prof. Adeel Chaudhary</b>	
09:00-09:15	<b>Prof. Mohammed Al-Qahtani:</b> Director of Centre of Excellence in Genomic Medicine Research (CEGMR), King Abdulaziz University (KAU), Jeddah, Kingdom of Saudi Arabia (KSA)
09:15-09:25	<b>Prof. Abdurrahman Alyoubi:</b> Acting President of King Abdulaziz University, Jeddah, KSA
09:25-09:35	<b>Dr. Abdulaziz Al-Swailem:</b> Vice President, King Abdulaziz City for Science and Technology, Riyadh, KSA. <b>Title:</b> KACST and Prospects of Research in Saudi Arabia, Maarifah-2
09:35-09:50	<b>Prof. Omar El Farouk Boukhris:</b> Director, Qatar National Research Fund, Qatar Foundation, Doha, Qatar <b>Title:</b> Funding Opportunities at QNRF
09:50-10:05	<b>Dr. Magdalena Skipper:</b> npj Executive Editor, Nature Publishing Group, United Kingdom <b>Title:</b> CEGMR & Nature Partnership
10:05-10:20	<b>Dr. Nazeeh Al-Othmany:</b> Saudi FDA, KSA <b>Title:</b> Helping Research in Saudi Arabia
<b>10:20-10:40</b>	<b>COFFEE BREAK</b>
<b>SESSION II GENOMICS OF CANCER, AGING &amp; COMPLEX DISEASES</b>	
<b>Chairpersons: Prof. Adnan Merdad, Prof. Angel Carracedo &amp; Prof. Abdelbaset Buhmeida</b>	
10:40-11:20	<b>Keynote Speaker, Prof. Jerry Shay:</b> Director, Cancer Biology, Department of Cell Biology, University of Texas Southwestern Medical Center, Dallas, USA <b>Title:</b> Aging and Cancer: Are Telomeres and Telomerase the Connection?
11:20-11:40	<b>Prof. Ali Mobasheri:</b> Associate Dean for Research, Musculoskeletal Physiology, University of Surrey, UK <b>Title:</b> Cartilage Biology: The Key to Understanding the Pathogenesis of Osteoarthritis
11:40-12:00	<b>Prof. Albert J. Fornace Jr.:</b> Director, Waters Center of Innovation for Metabolomics; Molecular Cancer Research Chair, Lombardi Comprehensive Cancer Center; Georgetown University, USA <b>Title:</b> Integration of Metagenomics and Metabolomics in Gut Microbiome Research
12:00-12:15	<b>Dr. Deema Hussein:</b> King Fahd Medical Research Centre, King Abdulaziz University, KSA <b>Title:</b> A Unique Integrated System to Discern Pathogenesis of Central Nervous System Tumors
<b>12:15-13:25</b>	<b>POSTER SESSION // LUNCH &amp; PRAYER BREAK</b>
13:25-13:45	<b>Prof. Stephen Scherer:</b> Director of the McLaughlin Centre and Centre for Applied Genomics, Hospital for Sick Children and University of Toronto, Toronto, Canada <b>Title:</b> A Genomic Basis for Autism Spectrum and Related Disorders
13:45-14:05	<b>Prof. Nobutaka Hirokawa:</b> Departments of Cell Biology and Anatomy, Graduate School of Medicine, University of Tokyo, Japan <b>Title:</b> KIF2A Regulates Postnatal Axons and its Deficiency causes Malformation of Cortical Development and Epilepsy
14:05-14:20	<b>Dr. Heba Alkhatabi:</b> Centre of Excellence in Genomic Medicine Research, KAU, Jeddah, KSA <b>Title:</b> RPL27A, a Novel Target for miR-595 and its Contribution to Myelopoiesis via Ribosomal Dysgenesis
<b>14:20-14:35</b>	<b>COFFEE BREAK</b>
<b>SESSION III GENOMICS APPLICATIONS TOWARDS PERSONALIZED MEDICINE</b>	
<b>Chairpersons: Prof. Jerry Shay, Prof. Jaudah Al-Maghrabi &amp; Dr. Muhammad Abu-Elmagd</b>	
14:35-14:55	<b>Prof. Emmanouil Dermitzakis:</b> Department of Genetic Medicine and Development, University of Geneva Medical School, Switzerland <b>Title:</b> Population and Personalized Genomics to Understand Disease & Personal Biology
14:55-15:15	<b>Prof. Anne Goodeve:</b> Department of Cardiovascular Science, University of Sheffield, Medical School, UK <b>Title:</b> Experience of Next-Generation DNA Sequence Analysis in a UK Genetics Laboratory
15:15-15:30	<b>Prof. Adel Abuzenadah:</b> Director of Centre of Innovation in Personalized Medicine (CIPM), KAU, Jeddah, KSA <b>Title:</b> Targeted Sequencing Panels and Their Utilization in Personalized Medicine
15:30-15:45	<b>Dr. Ashraf Dallol:</b> Centre of Excellence in Genomic Medicine Research and CIPM, KAU, Jeddah, KSA <b>Title:</b> Genomics of Colon Cancer From Saudi Arabia
15:45-16:00	<b>Dr. Aisha Elaimi:</b> Center of Innovation in Personalized Medicine, King Abdulaziz University, Jeddah, KSA <b>Title:</b> The effect of GM-CSF on murine embryo development, aneuploidy, DNA fragmentation and morphokinetic parameters analyzed using Embryo Scope

**DAY TWO**  
**TUESDAY, 1<sup>st</sup> December, 2015**

**SESSION I**

**BIOBANKING IN THE POST-GENOMIC ERA**

**Chairpersons: Prof. Stephen Scherer, Dr. Mourad Assidi & Dr. Farid Ahmed**

09:00-09:30	<b>Prof. Jim Vaught:</b> President, ISBER, Editor-in-Chief Biopreservation and Biobanking, International Prevention Research Institute, Maryland, USA <b>Title:</b> Current Perspectives in International Biobanking
09:30-09:45	<b>Dr. Ibrahim Alabdulkareem:</b> Chairman of Medical Genomic Research Department, King Abdullah International Medical Research Center, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, KSA <b>Title:</b> Saudi Biobanks: Importance, Implications and Opportunities.
09:45-10:00	<b>Prof. Abdelbaset Buhmeida:</b> Centre of Excellence in Genomic Medicine Research, KAU, Jeddah, KSA <b>Title:</b> The CEGMR Biobanking Unit: Achievements, Challenges and Future Plans
10:00-10:15	<b>Prof. Jaudah Al-Maghrabi:</b> Pathology Department, College of Medicine, KAU, Jeddah, KSA <b>Title:</b> Tissue Microarray Technique: A powerful Adjunct Tool for Molecular Profiling of Solid tumors.
10:15-11:35	<b>COFFEE BREAK</b>

**SESSION II**

**BIOINFORMATICS APPLICATIONS IN GENOMIC MEDICINE**

**Chairpersons: Prof. Jim Vaught, Prof. Ali Mobasher & Dr. Ashraf Dallol**

11:35-11:55	<b>Prof. Sudhir Kumar:</b> Director, Institute for Genomics and Evolutionary Medicine, Carnell Professor, Department of Biology, Temple University, Philadelphia, USA <b>Title:</b> Phylomedicine of Tumors
11:55-12:15	<b>Prof. Angel Carracedo:</b> Director of the Galician Foundation of Genomic Medicine, Professor of Legal Medicine Santiago de Compostela University, Spain <b>Title:</b> Cancer Genetics: From GWAS to the Discovery of Rare Variation
12:15-12:35	<b>Prof. Hossam Faheem:</b> Computer Systems International Consultant; HPC Project Manager, Fujitsu Technology Solutions International <b>Title:</b> The Supercomputer Facility "AZIZ" at KAU: Utility and Future Prospects
12:35-12:50	<b>Dr. Sajjad Karim:</b> Centre of Excellence in Genomic Medicine Research, KAU, Jeddah, KSA <b>Title:</b> E-GRASP: A Resource for Exploring Outcomes of the Genome-Wide Association Studies through the Lens of Interspecific Evolutionary History
12:50-13:05	<b>Prof. Ahmed Rebai:</b> Director, Laboratory of Molecular and Cellular Screening Processes, Centre of Biotechnology of Sfax, Tunisia <b>Title:</b> From Association to Causality: Translation of GWAS Findings for Genomic Medicine

13:05-14:20

**POSTER SESSION // LUNCH & PRAYER**

**SESSION III**

**REPRODUCTIVE MEDICINE IN THE 21<sup>ST</sup> CENTURY**

**Chairpersons: Prof. Taha Abo Almagd & Dr Gauthaman Kalamegam**

14:20-14:40	<b>Dr. Serdar Coskun:</b> King Faisal Specialist Hospital & Research Center, Riyadh, KSA <b>Title:</b> A New Look to Reproductive Medicine in The Era of Genomics
14:40-15:00	<b>Prof. Ashok Agarwal:</b> Director, Center for Reproductive Medicine, The Cleveland Clinic, Cleveland, USA <b>Title:</b> New Research into the Causes of Male Infertility
15:00-15:20	<b>Prof. Eberhard Nieschlag:</b> Emeritus Professor, Center for Reproductive Medicine and Andrology, University Hospital of Muenster, Germany <b>Title:</b> The Klinefelter Syndrome: Recent Progress
15:20-15:40	<b>Prof. Botros Rizk:</b> Director, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of South Alabama, USA <b>Title:</b> Prediction and Management of Ovarian Hyper Stimulation Syndrome, The Role of FSH Receptor Genotype

15:40-16:00

**AWARDS & CLOSING CEREMONY**