

18<sup>th</sup> - 20<sup>th</sup> January 2018

Conrad Dubai | United Arab Emirates



# Pan Arab Human Genetics Conference

# 2018

*Dubai* United Arab Emirates

## The Omics Era

Scientific  
Program



[www.pahgc.org](http://www.pahgc.org)



[pahgc@meetingmindsexperts.com](mailto:pahgc@meetingmindsexperts.com)



[@cags\\_uae](https://twitter.com/cags_uae)

Hosted by



Organized by



## Scientific Program

Day 1 | Thursday, 18th January 2018

08:30 - 09:30	Registration	
09:30 - 10:00	Conference & Exhibition Opening	
10:00 - 10:45	<b>Keynote Lecture:</b> The Arab Variome: Unlocking the Mysteries of The Human Genome Fowzan Alkuraya, KSA	
10:45 - 11:30	Coffee Break and Poster Session A (Multifactorial Disorders)	
11:30 - 12:00	Invited Talk: The 100,000 Genomes Project Rare Disease Programme: Achievements and Future Plans   Emma Baple, UK	Precision Medicine
12:00 - 12:15	Genetic landscape of Primary Ciliary Dyskinesia in Arab population. Mahmoud Fassad, UK	
12:15 - 12:30	Invited Talk: Precision in Genetic Counselling Andre Megarbane, Lebanon	
12:30 - 13:00	Invited Talk: In Cancer Care, a Broad Perspective Matters: Leveraging the Genome to Advance Personalized Cancer Care   Michael Pellini, USA	
13:00 - 13:15	Degradation routes of trafficking-defective VLDLR mutants associated with Dysequilibrium syndrome   Praseetha Kizhakkedath, UAE	
13:15 - 13:30	Incorporation of Tumor RNA Sequencing Data in Pathogenicity Classification of Germline Variants   Chimene Kesserwan, USA	
13:30 - 14:30	Lunch and Networking	
14:30 - 15:00	Invited Talk: Autism, Amazing Minds - Complex Genetics. Owen Rennert, USA	Genomics of Multifactorial Disorders
15:00 - 15:15	Genetic Factors Associated with Multiple Sclerosis Risk and Clinical Characteristics in the Kuwaiti Population   Rabeah Altemaimi, Kuwait	
15:15 - 15:30	The Prevalence of DICER1 Variants in Low-risk Pediatric Thyroid Carcinoma Somayyeh Fahiminiya, Canada	
15:30 - 16:15	Coffee Break and Poster Session B (Big Data in Human Genetics)	
16:15 - 16:30	Intersection of Genetics and Epigenetics in Schizophrenia Saradalekshmi Koramannil Radha, UAE	
16:30 - 16:45	Orphan expression profiling in human islets revealed novel genes for type 2 diabetes Jalal Taneera, UAE	
16:45 - 17:00	Use of Chromosome Substitution Strains and Derived Congenic Strains to Study the Genetic Architecture of Complex Traits   Soha Yazbek, Lebanon	
17:00 - 17:15	Genetics of Memory and Cognition in the Elderly Vadim Stepanov, Russia	
17:15 - 17:30	Multiple GNAS1, FGF23, FGFR3 Genes' Striking Mutations in CKD Patients with SH New Bone Displasia Uglifying Human Face Appearances Sagliker Syndrome Yahya Sagliker, Turkey	



## Scientific Program

Day 2 | Friday, 19th January 2018

08:00 - 09:00	Registration	
09:00 - 09:45	Coffee Break and Poster Session C (Precision Medicine)	
09:45 - 10:30	<b>Keynote Lecture:</b> Leveraging Large-Scale Genome-Wide Association Studies in Diverse Populations to Advance Understanding of the Genetic Contribution to Type 2 Diabetes Susceptibility   <a href="#">Andrew Morris, UK</a>	
10:30 - 11:00	Invited Talk: The International Consortium of Immuno Deficiency: A Global Approach to the Genetic Diagnosis of Primary Immunodeficiencies   <a href="#">Raif Geha, USA</a>	Current Trends in Human Genetics
11:00 - 11:15	Recessive Genetic Causes of Early Onset Epileptic Encephalopathies   <a href="#">Amal Alhashem, KSA</a>	
11:15 - 11:30	UAE Human Whole Genome Sequencing by Next Generation Sequencing (NGS): A Pilot Study   <a href="#">Rachel Howley, UAE</a>	
11:30 - 12:00	Invited Talk: Beyond the Human Genome   <a href="#">Jacques Beckmann, Switzerland</a>	
12:00 - 12:15	Deficient activity of Genes Associated with Amino Acid Metabolism Underlies Autosomal Recessive Syndromes of Microcephaly, Hypomyelination, and Epileptic Encephalopathy   <a href="#">Ganeshwaran Mochida, USA</a>	
12:15 - 14:00	Friday Prayer and Lunch Break	
14:00 - 14:15	Tracing the Dark Matter: Prevalence and Structure of Intra-genic Copy Number Variants in Mendelian Disease Genes in a Large Clinical Cohort   <a href="#">Swaroop Aradhya, USA</a>	
14:15 - 14:45	Invited Talk: Missing Heritability & Big Data: Coronary Artery Disease   <a href="#">Pierre Zalloua, Lebanon</a>	
14:45 - 15:00	Deciphering the Molecular Pathogenesis of Asthma using publicly available transcriptomic data   <a href="#">Mahmood Hachim, UAE</a>	
15:00 - 15:15	Whole Genome Sequencing Offers Additional but Limited Clinical Utility Compared to Re-Analysis of Whole Exome Sequencing   <a href="#">Ahmed Alfares, KSA</a>	
15:15 - 15:30	Utility of Whole Exome Sequencing for the Early Diagnosis of Pediatric-onset Cerebellar Atrophy Associated with Developmental Delay in an Inbred Population   <a href="#">Hisham Megahed, Egypt</a>	
15:30 - 16:15	Coffee Break and Poster Session D (Current Trends in Human Genetics)	
16:15 - 16:45	Invited Talk: The Role of Integrated OMICS in Personalized Medicine   <a href="#">Rifat Hamoudi, UAE</a>	
16:45 - 17:00	Award Presentation & Closing Remarks	



## Workshop Program

Day 3 | Saturday, 20th January 2018

	Parallel Workshop 1: Genetic Counselling for Arab Populations	Parallel Workshop 2: Ensembl Workshop on Genetic Variation and Gene Regulation
Providers:	Dr. Sonika Sachanadani Phulwani, Dubai, UAE Dr. Alya Qari, Genetic Counsellor, Riyadh, KSA Dr. Hinda Daggag, Genetics Project Specialist, ICLDC, UK	Dr. Emily Perry (Pritchard), Ensembl Dr. Erin Haskell, Ensembl
08:30 - 09:00	Registration	Registration
09:00 - 11:00	Session 1: Introduction to Genetic Counseling	Introduction to Ensembl and Ensembl genes
11:00 - 11:30	Coffee Break	Coffee Break
11:30 - 13:00	Session 2: Genetic Counseling Settings	Viewing genes and locations in the browser Looking at known variants in Ensembl
13:00 - 14:00	Lunch	Lunch
14:00 - 16:00	Session 3: Ethics and Genetic Counseling	Analysing your own variants with the Ensembl VEP Viewing features that regulate gene expression Coffee Break
16:00 - 17:00	Session 4: Role Play	Data Export with BioMart

