

HINSS Middle East 31 OCTOBER - 2 NOVEMBER 2016 Mohammed Bin Rashid University, Dubai (31 Oct- 1 Nov) Cleveland Clinic Abu Dhabi (2 Nov)



08:00 - 09:00	VIP 'Discover America' Breakfast Dialogue (By Invitation Only)
08:00 - 09:00	Registration and Coffee
08:00 - 15:30	Exhibition Hall Opens
09:00 - 09:05	Opening Ceremony
09:05 - 09:10	Opening Welcome His Excellency Humaid Mohammed Obaid Al Qatami, Chairman of the Board and Director-General , Dubai Health Authority, UAE H. Stenhen Lieber, CEO & President, HIMSS
09:10 - 09:15	DHA EMRAM Awards
09:15 - 09:45	Visit to the Exhibition Hall
09:45 - 10:15	Welcome Remarks: Genomics and Personalized Medicine Dr. Ayesha Almutawa, Chief Innovation Officer, Ministry of Health, UAE
10:15 - 10:55	Decoding the Genome on a Massive Scale: Saudi Human Genome Project Dr. Brian Meyer, Chairman, Department of Genetics, King Faisal Specialist Hospital and Research Centre (KFSHRC), KSA Dr. Mohamed Abouelboda, Head, Bioinformatics Team, Saudi Human Genome Project, King Faisal Specialist Hospital
	and Research Centre (KFSHRC), KSA
10:55 - 11:15	Coffee Break
11:15 - 12:15	Genomics for an Entire Nation: The Qatar Genome Project Dr. Said Ismail, Manager, Qatar Genome Project, QA Dr. Mohamed-Ramzi Temanni, Manager - Bioinformatics Technical Group, Research Branch, Biomedical Informatics

KNOWLEDGE PARTNER

12:15 - 13:15

13:15 - 14:00

Division, Sidra Medical and Research Centre, QA Networking Lunch

High Performance Computing for Genomics - From Cluster to the Cloud

Gaurav Kaul, Solutions Architect, Intel Corporation, UK

As precision medicine grows at an exponential pace, the pressure to explore and analyze the genomic data horizontally and longitudinally grows significantly. It is a well-known fact that most life science workloads are I/O or memory bound or both. Therefore, it is important to look at a system level and explore the potential bottlenecks that processing these workloads may face at storage, fabric and compute sub-systems and their interfaces. In order to rationalize these design decisions and provide a seamless and future proof integrated architecture, Intel and ecosystem partners have started working on the vision of the Scalable Systems Framework (SSF). Using SSF we can deliver high performance computing services using a traditional cluster compute model or an agile cloud deployment model. In this talk, we will cover the technical building blocks of SSF from the prism of life science workloads, business drivers which may prefer cluster, cloud or hybrid model and how to securely share data between different genomic sites based on Intel platform.