



Utilizing long-read sequencing technologies for the deconvolution of challenging genomic regions; the case of MHC and KIRs and the impact on disease association studies

(Activity Code: AGI-03-P162)

February 6th 2024, 12:30pm – 1:30pm

Venue: (HYBRID) Qatar University, Bldg H12, Room 125 AND Via WebEx

Target Audience: All Healthcare Professions

Aim: To discuss the utilization of long-read sequencing technologies for the deconvolution of challenging genomic regions; the case of MHC and KIRs and the impact on disease association studies.

Speaker

Dr Dimitrios Monos: Professor of Pathology and Lab Medicine at the Perelman School of Medicine, University of Pennsylvania and Director of the Immunogenetics Laboratory supporting the transplant programs, at The Children’s Hospital of Philadelphia.

Activity schedule:

Time and Speakers	Schedule and Learning outcomes
12:30pm-12:35pm Dr Medhat Askar	Welcoming and introduction
12:35- 1:15pm Dr Dimitrios Monos	To describe the unique role of MHC in close to 500 phenotypes, including over 100 diseases. To discuss data demonstrating the complete and on phase sequencing of the MHC and KIR regions. Comparing long-read sequencing technologies. To discuss Hi-C data demonstrating the impact of accurate and thorough sequencing of the MHC in identifying causal variants in diseases.
1:15- 1:30	Q&As, Evaluation

* The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest.

* “This activity is an Accredited group learning activity (Category 1) as defined by Ministry of Public Health’s Department of Healthcare Professions - Accreditation Section and is approved for a maximum number of 1 Hour.”

* “CPD-HP (QU—Health) is accredited by Ministry of Public Health’s Department of Healthcare Professions - Accreditation Section (DHP – AS) as a provider of continuing professional development.