



The Impact of Biomedical Research on Patient Care

We are pleased to announce the inaugural Precision Medicine & Functional Genomics (PMFG) Young Scientists Symposium organized by and for graduate students, post-docs, and other scientists with comparable levels of experience and education alongside clinical fellows, residents, and other clinicians of similar experience levels.

The PMFG Young Scientists Symposium aims to provide a platform for up-and-coming members of the scientific community in the region to present their work and network in a friendly and intellectually stimulating environment of peers. The theme of this year's symposium is "The Impact of Biomedical Research on Patient Care."

Young Scientist Symposium Learning Objectives:

- Understand the significance of biomedical research in improving patient care.
- Explore the translational process of research findings into clinical practice.
- Learn from real-life case studies.
- Identify areas for future research and improvement: Through interactive discussions and knowledge sharing.

PROGRAM AGENDA		
Time		
7:50-8:20am	Registration	
8:20	Ahmad Al Shaibi/Fatima Al Ali Event Chairs, Opening Remarks	
8:30-9:00	Keynote Speaker: Dr. Paul Bastard Imagine Institute (University of Paris, Inserm, AP-HP, France) Talk Title: "Auto-immune predisposition to life-threatening viral infections"	
SESSION 1		
Time	SPEAKER	Talk Title
9:00	Reem Hasnah, Sidra Medicine	Dissecting the spatial molecular heterogeneity of enteroendocrine cells (EECs) across mouse intestine

9:15	Dr. Kholoud Mohammed H N Abdulla, Qatar, University	Towards Precision Medicine in Psychiatry in the Qatari Population
9:30	Omayma Al-Saei , University College London/Sidra Medicine	Increasing the diagnostic yield of primary congenital glaucoma cases recruited into the U.K. 100,000 Genomes Project
9:45	Dr. Idil I. Ahmed, QBRI	Enhanced Generation of Functional Stem Cell-Derived Pancreatic Beta Cells.
10:00	Sarah Abdullah Albasha, Mohammed Al-Mana College for Medical Sciences, KSA	Uncovering a novel diagnostic and therapeutically targeted panel of differentially methylated genes in common childhood solid tumors
10:15 – 11:00	Coffee break + Poster Session (Library area)	
11:00	Dr. Concetta Piazzese, Barts Health NHS Trust	A dashboard-based system for the management of diabetic patients at Barts Health NHS Trust
11:15	Dr. Andrew Houston, Barts Health NHS Trust	TREAT: A Natural Language Processing-Based System to Enhance Patient Safety through Treatment Plan Extraction
11:30	Dr Riham Ayoubi, McGill University, Montreal, Canada	YCharOS: Antibody Characterization through Open Science
11:45	Zenab Siddig, Sidra Medicine	Using Genomics to Advance Understanding and Diagnosis of Neurodevelopmental Disorders in a Middle Eastern Population
12:00	Dr. Mohammad Ameen Al-Aghbar, Sidra Medicine	Determination of common molecular signatures required for the induction of allergic responses using a dendritic cell screening platform.
12:15	Dr. Markus Wenk, HBKU	TBD
12:30	1-hr Lunch Break and Prayer Time + Poster Session (Library area)	

Afternoon Session

SESSION 2

Time	SPEAKER	Talk Title
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13:30	Dina Awartani, Sidra Medicine	SLFN11 modulation by CRISPR/dCas9 in pediatric cancer cells affects toxicity of DNA damaging agents.
13:45	Hanan Qasem, HBKU	Peptide-based siRNA delivery for tumor specific targeting of Lactate Dehydrogenase C.
14:00	Dr. David Howard, Swansea University	Anti-cancer drugs, payloads and drug delivery vehicles
14:15	Dr. Aesha Ali, Sidra Medicine	Upregulation of interferon signaling predicts sustained complete remission in pediatric AML patients
14:30	Salma Hayder, Sidra Medicine	Diet interaction with gut microbiome in preventing CVD risk in the obese Qatari population.
14:45	Coffee break + Poster Session (Library area)	
<p style="text-align: center;">SESSION 3: Learning Objectives</p> <ul style="list-style-type: none"> - Explore strategies to promote your published work. 		
15:45	Dr. Elizabeth G. Phimister, Deputy Editor, The New England Journal of Medicine	How to Get your Paper Published in a Scientific Journal
16:00	Dr. Safia Danovi , Senior Editor, Nature Genetics	Publishing in Nature journals
16:15	Q&A Panel Discussion	
16:45	Event Chairs	Poster Awarding and Closing Remarks
END		

