

Agenda

Wednesday, March 8, 2023 (Day 1)

Topic	Time
Registration & Coffee	Venue: Exhibition Space 08:00 – 08:50
Opening remarks Essam Abdelalim, PhD, Chair of the Organizing Committee, and Omar Albagha, PhD, Acting ED of QBRI	08:50 – 09:00
Session 1 – Stem Cell-Derived Pancreatic Islet Organoids Moderators: Nasser Zawia, PhD, QBRI, HBKU and Ihab Younis, PhD, CMU-Q	Venue: Auditorium 09:00 – 11:55
Introductory remarks by moderators	09:00
Keynote Lecture: Optimizing human stem cell derived beta cell properties Matthias Hebrok, PhD, Technical University Munich (TUM), Germany	09:05
Mechanistic analyses of differentiation and proliferation of pancreatic progenitor cells derived from human iPSCs Kenji Osafune, MD, PhD, CiRA, Kyoto University, Japan	09:50
Coffee Break & Poster Viewing	Venue: Exhibition Space 10:30 – 10:45
Selected Abstract: Potential role of cofactors in pancreatic development Prasanna Kolatkar, PhD, QBRI, HBKU	10:45
Selected Abstract: p53 inhibition in pancreatic progenitors enhances the differentiation of human pluripotent stem cells into pancreatic β -cells Idil Ahmed, PhD, QBRI, HBKU	11:00



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Beta cell replacement therapy using genetically modified stem cell derived islets Ramona Pop, PhD , HSCI, USA	11:15
Lunch & Poster Session	Venue: Exhibition Space 11:55 – 13:10
Special Lecture: Stem Cells and Islamic Ethics Mohammed Ghaly, PhD , CIS, HBKU	13:10 – 13:40
Session 2 – Stem Cell Therapy for Diabetes Moderators: Georges Nemer, PhD , CHLS, HBKU & Luis Saraiva, PhD , Sidra Medicine	Venue: Auditorium 13:40 – 16:40
Introductory remarks by moderators	13:40
Keynote Lecture: From the first-in-human success in stem cell derived islet transplantation to a cure for all patients with diabetes: challenges, requirements, & possible solutions Camillo Ricordi, MD , University of Miami, USA	13:45
Advanced Therapies Manufacturing: Challenges and Perspectives in Qatar Chiara Cugno, MD , Sidra Medicine	14:30
Coffee Break & Poster Session	Venue: Exhibition Space 15:00 – 15:40
Selected Abstract: Intrapancreatic and systemic application of autologous, reprogrammed bone marrow-derived stem cells as a potential way of treatment for DM type I Dzihan Abazovic, MD, PhD , BioCell Hospital, Serbia	15:40



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Transition your PSC research to the clinic with confidence Alessandro Romano, PhD , Thermo Fisher Scientific	16:00
A Successful Journey to Cell Therapy Manufacturing: Raw materials considerations and closed system manufacturing for cell & gene therapy Jerome Cabeau, MSc , Thermo Fisher Scientific	16:20
Closing Remarks	Venue: Auditorium 16:40 – 16:45



Agenda

Thursday, March 9, 2023 (Day 2)

Topic	Time
Registration & Coffee	Venue: Exhibition Space 08:00 – 08:45
Session 3 – Precision Medicine and Stem Cell Models in Diabetes Moderators: Khalid Fakhro, PhD , Sidra Medicine & Dindial Ramotar, PhD , CHLS, HBKU	Venue: Auditorium 08:45 – 11:40
Introductory remarks by moderators	08:45
Diabetes disease modelling using human pluripotent stem cells Adrian Teo, PhD , A*STAR, Singapore	08:50
Stress in the insulin factory: twelve monogenic forms of diabetes and counting Miriam Cnop, MD, PhD , ULB Center for Diabetes Research, Belgium	09:30
Pluripotent stem cell program to boost precision medicine in diabetes Essam Abdelalim, PhD , QBRI, HBKU	10:10
Coffee Break & Poster Viewing	Venue: Exhibition Space 10:40 – 10:55
Selected Abstract: FOXA2 deficiency impairs pancreatic islet development in a patient-derived iPSC model. Ahmed Abdelaal, PhD , QBRI, HBKU	10:55
Selected Abstract: FAM105A is a novel gene down-regulated in diabetic human islets and involved in pancreatic β -cell function and insulin secretion Jalal Taneera, PhD , University of Sharjah, UAE	11:10



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Thursday, March 9, 2023 (Day 2)

Topic	Time
Selected Abstract: iPSCs derived from insulin resistant offspring of type 2 diabetic patients show increased oxidative stress and lactate secretion Bushra Memon, PhD, QBRI, HBKU	11:25
Panel discussion: Stem cell therapy for diabetes: from basic science to clinical translation <u>Panelists:</u> Camillo Ricordi, MD; Matthias Hebrok, PhD; Kenji Osafune, MD, PhD; Adrian Teo, PhD <u>Moderator:</u> Essam Abdelalim, PhD	11:40 – 12:40
Lunch & Poster Session	Venue: Exhibition Space 12:40 – 13:50
Session 4 – Diabetes in Qatar: Basic and Clinical Research Moderators: Mariam Al-Muftah, PhD, QBRI, HBKU and Abdulla Al Hamaq, MD, PhD, QDA	Venue: Auditorium 13:50 – 16:15
Introductory remarks by moderators	13:50
Status of Diabetes in Qatar Abdul Badi Abou-Samra, MD, PhD, HMC	13:55
The Prevalence and Genetic Spectrum of Maturity-Onset Diabetes of the Young (MODY) in Qatar Omar Albagha, PhD, QBRI, HBKU	14:20
Type 2 Diabetes Remission - What have we learned? Shahrad Taheri, MBBS, PhD, HMC	14:45
Glucose metabolism driving beta-cell dysfunction and reprogramming in persistent hyperglycemia Paul Thornalley, PhD, QBRI, HBKU	15:10



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Thursday, March 9, 2023 (Day 2)

Topic	Time
National Screening program for diabetes in pregnancy in Qatar - Outcomes and future research directions Mohammed Bashir, MD, PhD, HMC	15:35
Selected Abstract: QATAR Type 1 Diabetes Biorepository: A Resource for Studies of the Genetic Risk, Autoimmunity Determinants and Etiologies of Type 1 Diabetes in Qatar Ammira Akil, PhD, Sidra Medicine	16:00
Closing Remarks & Awards Ceremony	Venue: Auditorium 16:15 – 16:35

