

QBRI-HSCI SYMPOSIUM

Day One

WEDNESDAY, OCTOBER 28, 2020

8:00 a.m. Boston | 3:00 p.m. Doha

Via Zoom

8:00-8:15 | 3:00-3:15

WELCOME

Larry Stanton, with remarks by Doug Melton and Omar El-Agnaf

8:15-9:30 | 3:15-4:30

TEAM 1 PROJECT REPORTING + Q&A

"Investigating the roles of key transcription factors in human pancreatic beta cell development and maturation using hPSCs"

Richard Sherwood + Ersin Akinci

Essam Abdelalim + Alexandra Butler + Prassana Kolatkar

9:30-10:30 | 4:30-5:30

SHORT TALKS BY QBRI Trainees

"PDX1/NKX6.1⁺ progenitors derived from human pluripotent stem cells as a novel source of insulin-secreting cells"

Bushra Memon, PhD student, Hamad Bin Khalifa University

"Aberrant development of pancreatic beta cells derived from human iPSCs with FOXA2 deficiency"

Ahmed Elsayed, Postdoc, QBRI

10:30-11:15 | 5:30-6:15

GUEST SPEAKER

Doug Melton, Xander University Professor and Co-director, HSCI

11:15-11:30 | 6:15-6:30

BREAK | END OF DAY ONE PROGRAM FOR GENERAL AUDIENCE

POST-BREAK:

FOR PROJECT 1 PARTICIPANTS AND PROGRAM LEADERSHIP & MANAGERS ONLY

11:30-12:30 | 6:30-7:30

PROJECT 1 CONVERSATION

CHALLENGES + OPPORTUNITIES + MOVING FORWARD

Session moderated by Larry Stanton | Includes Project 1 team members, QBRI Advisory Group members, and HSCI program managers

Day Two
THURSDAY, OCTOBER 29, 2020
8:00 a.m. Boston | 3:00 p.m. Doha
Via Zoom

8:00-8:30 | 3:00-3:30

TEAM 2 PROJECT REPORTING + Q&A

"How beta cell-derived interleukin-33 shapes T cell regulation in T1D"

Stephan Kissler + Badr Kiaf

Alexandra Butler + Julie Decock + Shahryar Khattak

8:30-9:00 | 3:30-4:00

TEAM 3 PROJECT REPORTING + Q&A

"Metabolic control of β -cell inflammation"

Nika Danial + Calie Fu

Paul Thornalley + Essam Abdelalim

9:00-9:15 | 4:00-4:15

OVERVIEW OF PROPOSED PROJECT 4

"Steps towards reproducible SC-islet generation from hiPSCs under GMP conditions"

Larry Stanton + Albert Hwa

9:15-10:15 | 4:15-5:15

TWO SHORT TALKS BY QBRI Trainees

"Investigating the potential cofactor binding of SOX9-a transcription factor involved in pancreatic development"

Zeyaul Islam, Postdoc, QBRI

"Use of protein informatics to predict how mutation of glucokinase affect enzymatic function"

Maryam Al-Motawa, Research Assistant, QBRI

10:15-11:00 | 5:15-6:00

GUEST SPEAKER

Allon Klein, Associate Professor of Systems Biology, Harvard Medical School

11:15-11:30 | 6:15-6:30

BREAK | END OF DAY TWO PROGRAM FOR GENERAL AUDIENCE

POST-BREAK:

FOR PROJECTS 2 & 3 PARTICIPANTS AND PROGRAM LEADERSHIP & MANAGERS ONLY

11:30-12:30 | 6:30-7:30

PROJECTS 2 & 3 CONVERSATION

CHALLENGES + OPPORTUNITIES + MOVING FORWARD

Session moderated by Larry Stanton | Includes Projects 2 & 3 team members, QBRI Advisory Group members, and HSCI program managers