

QBRI-HSCI SYMPOSIUM

MONDAY, JANUARY 10, 2022

8:00 a.m. Boston | 4:00 p.m. Doha

[Via Zoom](#)

DAY ONE PROGRAM FOR GENERAL AUDIENCE

8:00-8:15 | 4:00-4:15

WELCOME

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

8:15-8:55 | 4:15-4:55

KEYNOTE SPEAKER + Q&A

"Evolving role for beta cell replacement in Type I diabetes."

Jim Markmann, MD, PhD, Claude E. Welch Professor of Surgery,
Massachusetts General Hospital

8:55-9:10 | 4:55-5:10

SHORT TALK BY HSCI Trainee

"Navigating beta cell differentiation via genome-wide loss-of-function screening"

Adrian Veres, PhD, Postdoctoral Research Fellow,
Harvard University

9:10-9:55 | 5:10-5:55

GUEST SPEAKER + Q&A

"Towards a robust manufacturing process for autologous iPSC-based therapies."

Ruud Hulspas, PhD, Director Process Development,
Dana-Farber Cancer Institute

9:55-10:20 | 5:55-6:20

BREAK

10:20-11:00 | 6:20-7:00

GUEST SPEAKER + Q&A

"Genome-wide in vivo CRISPR screen in the study of pancreatic beta cell protection against autoimmune destruction in T1D"

Peng Yi, PhD, Assistant Investigator and Co-Director, Genome Editing Core,
Joslin Diabetes Center

11:00-11:40 | 7:00-7:40

GUEST SPEAKER + Q&A

"Immune Barriers to Beta Cell Replacement"

Jason Gaglia, MD, MMSc, Director of Hood Center for the Prevention of Childhood Diabetes,
Joslin Diabetes Center

11:40-11:50 | 7:40-7:50

WRAP UP + THANK YOU

Larry Stanton

Day Two
TUESDAY, JANUARY 11, 2022
8:00 a.m. Boston | 4:00 p.m. Doha
DAY TWO PROGRAM FOR PROGRAM LEADERSHIP & MANAGERS
(Closed Session- Invitation Only)

8:00-8:50 | 4:00-4:50

TEAM 1 PROJECT REPORTING + Q&A

Investigating the Role of Key Transcription Factors in Human Pancreatic Beta Cells

Richard Sherwood + Essam Abdelalim

8:50-9:05 | 4:50-5:05

TEAM 1 DISCUSSION

9:05-9:55 | 5:05-5:55

TEAM 2 PROJECT REPORTING + Q&A

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

Stephan Kissler + Julie Decock + Abdelilah Arredouani

9:55-10:05 | 5:55-6:05

TEAM 2 DISCUSSION

10:05-10:20 | 6:05-6:20

BREAK

10:20-11:10 | 6:20-7:10

TEAM 3 PROJECT REPORTING + Q&A

Metabolic control of β -cell inflammation

Nika Danial + Paul Thornalley + Essam Abdelalim

11:10-11:25 | 7:10-7:25

TEAM 3 DISCUSSION

11:25-11:35 | 7:25-7:35

OVERVIEW OF PROPOSED PROJECT 4

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

Larry Stanton + Ramona Pop

11:35-11:45 | 7:35-7:45

WRAP UP + THANK YOU

Larry Stanton, with remarks by Brock Reeve | *END OF DAY TWO PROGRAM FOR TEAMS*

END TEAMS MEETING

CLOSED SESSION FOR PROGRAM LEADERSHIP ONLY

(Closed Session - Invitation Only)

11:45-12:15 | 7:45-8:15

CONVERSATION ON ALL PROJECTS

CHALLENGES + OPPORTUNITIES + MOVING FORWARD

Session moderated by Larry Stanton | QBRI Advisory Group members and HSCI program managers