Sponsored by the Institute for Diabetes, Obesity and Metabolism (IDOM) and the Institute for Regenerative Medicine (IRM)

Thursday, September 24, 2009
Colloquium Level, Jon M. Huntsman Hall

8:00-8:30 AM Registration and breakfast

8:30-9:00 AM Opening Remarks by Glen Gaulton, Ph.D.
Executive Vice Dean and Chief Scientific Officer

Remarks by
--John D. Gearhart, Ph.D.
Director, Institute for Regenerative Medicine

--Mitchell A. Lazar, M.D., Ph.D.
Director, Institute for Diabetes, Obesity and Metabolism

Stem Cells and Development.
Moderator: Doris A. Stoffers, M.D., Ph.D

9:00-9:30 AM Lessons from Development for Beta Cell Programming
Kenneth S. Zaret, Ph.D. (Keynote Lecture)
Professor of Cell and Developmental Biology
Associate Director, Institute for Regenerative Medicine

9:30-10:00 AM The determinants of pancreatic growth
Ben Stanger, M.D., Ph.D.
Assistant Professor of Medicine

10:00-10:15 AM DNase-Chip Technology to Identify Inductive Pathways
Transducing Signals from Endothelial Cells to Dorsal Pancreas Progenitors
Deborah Freedman-Cass, Ph.D. *
Sr. Research Investigator, Zaret Lab

10:15-10:45 AM Coffee Break
Postnatal Beta Cell Growth and Function.
Moderator: Klaus Kaestner, Ph.D.

10:45-11:15 AM  Proliferation of beta-cells in response to metabolic demand
Klaus Kaestner, Ph.D.
Professor of Genetics

11:15-11:45 AM Cell cycle regulation of islet growth
Jake Kushner, M.D.
Assistant Professor of Pediatrics

11:45-12:15 PM The Role of Islet-1 in the Endocrine Pancreas
Catherine Lee May, Ph.D.
Assistant Professor of Pathology and Laboratory Medicine

12:15-1:45 PM Lunch and Posters

Transition to Translation.
Moderator: Ali Naji, M.D., Ph.D.

1:45-2:00 PM Pcil1 regulates Pdx1 protein stability, glucose homeostasis, and
the maintenance of beta cell mass
Kathryn Claiborn *
Graduate Student, Stoffers Lab

2:00-2:15 PM Genetic Analysis of CREB Function in the Pancreas
John Le Lay, Ph.D. *
Postdoctoral Researcher, Kaestner Lab

2:15-2:30 PM The JDRF priorities in Regenerating, Reprogramming and
Replacing Beta cell function to treat Type 1 Diabetes
Judy M. Hunt
Chair, Lay Committee, Juvenile Diabetes Research Foundation

2:30-3:00 PM Prospects for Beta Cell Preservation in Type 1 Diabetes
Ali Naji, M.D., Ph.D.
Professor of Surgery

3:00-3:30 PM Functional Beta-Cell Mass in Transplantation and Type 2
Diabetes
Michael Rickels, M.D., M.S.
Assistant Professor of Medicine

3:30-4:00 PM GLP-1 receptor antagonism in congenital hyperinsulinism,
pathogenetic insights and therapeutic potential
Diva D. De León, M.D.
Assistant Professor of Pediatrics

4:00-5:00 PM Reception and Posters

*Chosen among abstract submissions