

Translating Islet Biology into Clinical Therapy

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 Najj, M.D., Ph.D.

- 1:45-2:00 PM *Pcif1 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 Najj, 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*