

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	<i>Lessons from Development for Beta Cell Programming</i> Kenneth S. Zaret, Ph.D. (Keynote Lecture) Professor of Cell and Developmental Biology Associate Director, Institute for Regenerative Medicine
9:30-10:00 AM	<i>The determinants of pancreatic growth</i> Ben Stanger, M.D., Ph.D. Assistant Professor of Medicine
10:00-10:15 AM	<i>DNase-Chip Technology to Identify Inductive Pathways Transducing Signals from Endothelial Cells to Dorsal Pancreas Progenitors</i> 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 *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 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*