

UC San Diego School of Medicine
Pediatric Diabetes Research Center (PDRC)
3rd Annual Symposium

January 27, 2012

8 a.m. Breakfast and Registration

8:30 a.m. Welcome

Michael Gottschalk, Maike Sander

Session 1 – Transplantation of Replacement Cells

Chair: Jerrold Olefsky, University of California, San Diego

8:45 a.m. Bernhard Hering, University of Minnesota
Islet Transplantation—The Past and the Next 10 Years

9:15 a.m. Michael Brehm, University of Massachusetts
Development of Humanized Mouse Models for Diabetes Research

9:45 a.m. Charles King, University of California, San Diego
Chemical Modulation of hESC Differentiation

10 a.m. Refreshment Break

Session 2 – Beta Cell Programming from hESCs

Chair: Ulupi Jhala, University of California, San Diego

10:30 a.m. James Wells, Cincinnati Children's Hospital
Using Human Pluripotent Stem Cell Derived Tissues for Diabetes Research

11 a.m. Maike Sander, University of California, San Diego
Epigenetic Control of Human Embryonic Stem Cell Differentiation into Beta Cells

11:30 a.m. Duc Dong, Sanford-Burnham, San Diego
Specification and Allocation of Liver and Pancreas Progenitors

11:45 a.m. Lunch

Session 3 – Reprogramming and Cell Therapies

Chair: Fred Levine, Sanford-Burnham, San Diego

1:15 p.m. Olivia Kelly, Viacyte, Inc.
Developing an Encapsulated Stem Cell Therapy for Diabetes

1:45 p.m. Mark Huisin, Salk Institute, San Diego
Urocortins: Novel Regulators of Beta Cell Fate and Function

2 p.m. Refreshment Break

2:30 p.m. Markus Grompe, Oregon Health & Science University
Reprogramming of Gall Bladder Cells for the Treatment of Diabetes

3 p.m. Timothy Kieffer, University of British Columbia
Reprogramming Intestinal Cells for Insulin Replacement Therapy

3:30 p.m. Closing Remarks

Location

University of California, San Diego School of Medicine
Medical Education and Telemedicine Building, Lower Auditorium

RSVP by January 20, 2012

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