

# DIABETES AND METABOLISM SEMINAR SERIES

## Annual Symposium

### **BETA CELL REPLACEMENT THERAPY FOR DIABETES**

**Thursday May 28, 2015**

UW Center for Urban Horticulture  
3501 NE 41<sup>st</sup> Street, Seattle, WA 98195

**Organizers: Vincenzo Cirulli, Laura Crisa and Rebecca Hull**

8:00 Continental Breakfast

8:30–8:40 **Vincenzo Cirulli**, University of Washington  
*Introductory remarks*

Session I: (Chair: Laura Crisa)

8:45 – 9:30 **Irl Hirsch, MD**, University of Washington  
*Clinical considerations for designing  $\beta$ -cell replacement therapies*

9:30 – 10:15 **Teresa Rodriguez-Calvo, DVM, PhD**, La Jolla Institute for Allergy and Immunology  
*Pathological considerations for designing  $\beta$ -cell replacement therapies: lessons from the pancreas*

10:15 – 10:30 Coffee Break

Session II: (Chair: Rebecca Hull)

10:30–11:15 **Domenico Accili, MD**, Columbia University  
FoxO1 as a negative regulator of  $\beta$ -cell specification in the gut: implication for islet regeneration

11:15–12:00 **Vincenzo Cirulli, MD, PhD**, University of Washington  
*Cell-cell and cell-matrix interactions regulating islet progenitor segregation, expansion and maturation*

12:00 – 1:30 Lunch and Fellow presentations

Session III: (Chair: Sakeneh Zraika)

1:30 – 2:15 **George Gittes, MD**, University of Pittsburgh  
*Regulators of  $\beta$ -cell proliferation: role of SMAD7 and TGF $\beta$*

2:15 – 3:00 **Laura Crisa, MD, PhD**, University of Washington  
*Myeloid cells as regulators of islet cell lineage differentiation*

3:00–3:15 Coffee Break

Session IV: (Chair: Vincenzo Cirulli)

3:15 – 4:00 **Adolfo Garcia-Ocana, PhD**, Mount Sinai, NY  
*Human  $\beta$ -cell proliferation and intracellular signaling part 2: still driving in the dark without a road map*

4:00 – 4:45 **Rohit Kulkarni, MD, PhD**, Joslin Diabetes Center  
*Liver-derived factors for beta-cell replacement*



The Diabetes Research Center gratefully acknowledges the generous support of MERCK, INC., SANOFI, THE GEORGE & MARGARET ZIVELONGHI FOUNDATION and JOHN M. GILBERTSON FOUNDATION.  
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