### DAY I

**1:00 - 1:15 pm**  
Opening Remarks

**1:15 – 2:15 am**  
**SESSION I: Pancreas and Islet Biology**  
1:15-1:45 pm  Andrew Stewart, Icahn School of Medicine at Mount Sinai: “Human Beta Cell Regeneration for Diabetes: A Journey From Impossible to Possible”

1:45-2:00 pm  Andrew Lipchik (Snyder Lab), Stanford University: “The IgG antibody paradox in insulin resistance: pathogenic and therapeutic”

2:00-2:15 pm  Yingying Ye (Gloyn Lab), Stanford University: “A critical role of the mechanosensor Piezo1 in glucose-induced insulin secretion in pancreatic beta-cells”

**2:15 – 2:30 pm**  
BREAK or Q&A

**2:30 – 3:30 pm**  
**SESSION 2: Bioengineering and Behavioral Sciences**  
2:30-3:00 pm  Danny Chou, Stanford University: “Molecular Engineering of Insulin”

3:00-3:15 pm  Tom Robinson, Stanford University: “The Human Screenome Project”

3:15-3:30 pm  Jessie Wong, Stanford University: “Understanding Psychosocial and Familial Influences on Adolescents with Type 1 Diabetes”

**3:30 - 3:45pm**  
BREAK or Q&A

**3:45-4:15 pm**  
**SESSION 3: Trainee talks**

**4:15 - 4:30pm**  
 Q&A and Closing remarks

### DAY II

**Nov 17th**

**1:00 – 1:15pm**  
Welcome and Introductions

**1:15 – 2:15 pm**  
**SESSION 4: Immunology and Islet Transplantation**  
1:15-1:45 pm  Matthias Hebrok, Diabetes Research Center, UCSF: “Protecting human stem cell derived beta cells from immune assault”

1:45-2:00 pm  Garry Fathman, Stanford University: “A paradigm shift in immunotherapy; restoration of endogenous immunoregulation”

2:00-2:15 pm  Avnesh Thakor, Stanford University: “Using biomaterials to modulating the microenvironment of transplanted islets”

**2:15 – 2:30 pm**  
BREAK or Q&A

**2:30 – 3:30 pm**  
**SESSION 5: Metabolism and Signaling**  
2:30-3:00 pm  Alan Saghatelian, Salk Institute for Biological Studies: “Discovery and Characterization of Structurally Novel Lipids”

3:00-3:15 pm  Vivek Bhalla, Stanford University: “Contribution of vascular endothelial Esm-1 to pathogenesis of diabetic kidney disease”

3:15-3:30 pm  Katrin Svensson, Stanford University: “Control of glucose and lipid metabolism by insulin-independent hormones”

**3:30 - 3:45pm**  
BREAK or Q&A

**3:45-4:15 pm**  
**SESSION 6: Trainee talks**

**4:15 - 4:30pm**  
Q&A and AWARDS

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