PRELIMINARY PROGRAM

Day 1: Sunday, 12th April 2015

12:00  REGISTRATION/COFFEE
13:00  WELCOME
13:15-15:15  DIABIL-2
   Session sponsored by: DIABIL-2 european consortium
   Chairs: Alberto Pugliese & Bart Roep

13:15  Abul Abbas
   Tregs, IL-2 and autoimmune diseases
13:45  Marc Donath
   Inflammation and autoimmunity in type 1 diabetes and type 2 diabetes: a therapeutic perspective
14:10  Tom Malek
   Targeting the IL-2R for tolerance induction
14:35  David Klatzmann
   Update on low-dose IL2 clinical trials: Type 1 diabetes and beyond presentation of the DIABIL-2 clinical trial

15:15-15:45  BREAK
15:45-17:15  BIOMARKERS OF TYPE 1 DIABETES
   Chairs: Simi Ahmed & Massimo Pietropaolo

15:45  Massimo Pietropaolo
   Introduction and need for coordinated activities
15:50  Gerald Nepom followed by Jared Odegard
   BWG demonstration project report
16:05  Craig Beam
   Biostatistics and analytics to guide the process
16:25  Speaker TBC
   Biomarker data talk 1
16:35  Speaker TBC
   Biomarker data talk 2
16:45  Massimo Pietropaolo
   Guided discussion with audience on how to integrate efforts

17:15-17:45  BREAK
17:45-18:45  T-CELL WORKSHOP
   Roberto Mallone

19:00  WELCOME RECEPTION AND DON’T MISS THE ‘SUGAR DADDIES’

Day 2: Monday, 13th April 2015

08:00-08:45  PLENARY LECTURE
   John Todd
   From disease genes to mechanisms and therapeutic opportunities
08:45-10:15  INNATE IMMUNE RESPONSES
Chair: TBC

08:45  Eike Latz
Innate immune responses in autoimmune disease

09:10  Abstract
09:25  Abstract
09:40  Abstract
09:55  Abstract

10:15-11:00  BREAK

11:00-13:00  METABOLISM
Chair: TBC

11:00  Todd Brusko
Immunometabolic dysregulation in type 1 diabetes

11:20  Michael Roden
Mechanisms of insulin resistance in type 1 diabetes

11:40  Abstract
11:55  Abstract
12:10  Abstract
12:25  Abstract
12:40  Abstract

13:00-14:00  LUNCH

14:00-15:35  GENE EXPRESSION
Chair: TBC

14:00  Riitta Lahesmaa
Title: TBC

14:20  Jin-Xiong She
Title: TBC

14:40  Chris Wallace
Title: TBC

15:00  Martin Hrabé de Angelis
Parentally acquired metabolic dysfunction - epigenetic effects

15:20  Abstract

15:35-15:55  BREAK

15:55-17:10  POSTER ORAL SESSION
Chairs: TBC

15:55  Abstract
16:10  Abstract
16:25  Abstract
16:40  Abstract
16:55  Abstract

17:10-17:20  BREAK

17:20-19:00  LOOKING INSIDE THE PANCREAS
Chair: Mark Atkinson

17:20  **Mark Atkinson**  
*Introduction*

17:30  **Francesco Dotta**  
*Expression of viral receptors and sensors in islet cell subsets: a mechanism for enterovirus beta-cell tropism?*

17:50  **Peter In’t Veld**  
*Insulitis in early stage type 1 diabetes*

18:10  **Alberto Pugliese**  
*Title: TBC*

18:30  Abstract

18:45  Abstract

19:00-21:00  **POSTER VIEWING WITH SNACKS AND DRINKS**

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**Day 3: Tuesday, 14th April 2015**

08:00 – 08:45  **GEORGE EISENBARTH LECTURE**  
Introduction:  **Marian Rewers**  
*Announcement lecture award*

08:05  **John Kappler ‘George Eisenbarth Award Lecture’**

08:45-10:15  **ANTIGEN-SPECIFIC THERAPIES**  
Chair: TBC

08:45  **Christian Boitard**  
*Type 1 diabetes: preclinical models*

09:05  **Jeffrey Hubbell**  
*Targeted Antigen Delivery for Tolerogenic Presentation*

09:25  **Mark Peakman**  
*Peptide-based strategies for antigen-specific immunotherapy*

09:45  Abstract

10:00  Abstract

10:15-11:00  **BREAK**

11:00-13:00  **CELLS FOR THERAPY**  
Chair: TBC

11:00  **Jeffrey Bluestone**  
*T regulatory cell therapy*

11:25  **Massimo Trucco**  
*Dendritic cell therapy*

11:45  Abstract

12:00  Abstract

12:15  Abstract

12:30  Abstract

12:45  Abstract

13:00-14:00  **LUNCH/SCIENCE CORNER (FUNDING OPPORTUNITIES)**
**EXPERIMENTAL MODELS**

14:00–15:30

**Chair:** TBC

**14:00**

**Dale Greiner**

*Humanized mouse models for type 1 diabetes pathogenesis and therapy*

**14:25**

**Karsten Kretschmer**

*Foxp3+ Regulatory T Cells in Autoimmune Diabetes*

14:45

Abstract

15:00

Abstract

15:15

Abstract

**15:30-17:00 POSTER VIEWING WITH COFFEE**

**17:00-18:00 DEBATE: ‘CLINICAL TRIALS – LARGE ENDPOINT OR SMALL MECHANISTIC TRIALS’**

**Chair:** David Leslie

**17:00**

**NN**

*The case for larger efficacy based trials*

**Gerald Nepom**

*The case for small mechanistic trials*

**18:00-19:00 AUTOANTIBODY WORKSHOP**

**Peter Achenbach**

19:30

**GUIDED WALKING TOUR OF HISTORIC MUNICH AND BEER TASTING**

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**Day 4: Wednesday, 15th April 2015**

**8:00 – 8:45 PLENARY LECTURE**

**Tom Kay**

*Title: TBC*

**8:45 – 10:15 ß-CELL IMMUNE INTERACTIONS**

**Chair:** TBC

**08:45**

**Décio Eizirik**

*Candidate genes for type 1 diabetes regulate pancreatic beta cell cell autonomous immunity*

**09:05**

**Kevan Herold**

*Title: TBC*

**09:25**

**Lorenzo Piemonti**

*Data on novel islet transplantation procedures and therapies*

**09:50**

Abstract

**10:05**

Abstract

**10:15-11:00 BREAK**

**11:00-13:00 NOVEL AGENTS FOR CLINICAL THERAPY**

**Chair:** TBC

**11:00**

**Matthias von Herrath**

*Autoreactive and bystander T cells in type 1 and 2 diabetes*
11:20  Carolin Daniel  
Title: TBC

11:40  Roland Martin  
Experience from other diseases: antigen-specific tolerance in MS

12:05  Linda Wicker  
Novel agents targeting IL-2 pathways

12:30  Abstract

12:45  Abstract

13:00-14:00 LUNCH

14:00-15:30 ROUND TABLE: THE INDUSTRY PERSPECTIVE TO CURE TYPE 1 DIABETES  
Chair: Carla Greenbaum  
Anders Essen-Möller (Diamyd)  
Philip Just Larsen (Sanofi)  
Dhavalkumar Patel (Novartis)  
Paul-Peter Tak (GlaxoSmithKline)  
Matthias von Herrath (Novo)

15:30-15:50 BREAK

15:50-17:00 nPOD /THE SILENT BETA CELL  
Chair: TBC

15:50  Adriana Migliorini  
β-cell heterogeneity: implications for regeneration and autoimmunity

16:10  George King  
Opportunities from the Joslin Medalists Study

16:30  Abstract

16:45  Abstract

17:00-18:00 POST-TRANSLATIONALLY MODIFIED ANTIGENS  
Chair: TBC

17:00  Eddie James  
Title: TBC

17:20  Bart Roep  
Title: TBC

17:40  Abstract

19:00  IDS Dinner at Hirschau

Day 5: Thursday, 16th April 2015

9:00-10:45 THE ENVIRONMENTAL DETERMINANTS OF DIABETES IN THE YOUNG – TEDDY  
Chair: Beena Akolkar

09:00  Marian Rewers  
Accomplishments of TEDDY and big data opportunities

09:25  Jill Norris  
Role of Diet in TEDDY

09:45  Ake Lernmark  
Autoantibodies in TEDDY

10:05  Joseph Petrosino
Role of Microbiome in TEDDY subjects

10:25  Abstract

10:45-11:00  BREAK

11:00-13:00  ROUND TABLE: KNOWLEDGE AND GAPS

Chairs: Richard Insel & Chantal Mathieu

Mark Atkinson, Jeffrey Bluestone, Ezio Bonifacio, Len Harrison, Chantal Mathieu, Marian Rewers, Desmond Schatz, Lisa Spain, John Todd