

## 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**  
*Insulinitis 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**

### 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)**

Lisa Spain (NIDDK), Gina Agiostratidou (Helmsley Trust), Simi Ahmed (JDRF)

**14:00 – 15:30 EXPERIMENTAL MODELS**

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

**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**

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

**8:00 – 8:45 PLENARY LECTURE**

**Tom Kay**

*Title: TBC*

**8:45 – 10:15  $\beta$ -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