

# Type 1 diabetes: Early markers of childhood disease

Tuesday, September 29<sup>th</sup>, 2015

Dear colleagues,

Oktoberfest is around the corner. It is a time that brings many people to Munich in a friendly and interactive atmosphere that for the last nine years has also spread to the science of diabetes in the form of the Oktoberfest Symposium.

We are delighted to continue the tradition and invite you to this year's Oktoberfest Symposium "Type 1 diabetes: early markers of childhood disease".

  
Anette-Gabriele Ziegler

  
Ezio Bonifacio



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## Programme

**08:50** **Opening and introduction**  
Anette-Gabriele Ziegler and Ezio Bonifacio

**Chair: Anette-Gabriele Ziegler**

**09:00** **Anette-Gabriele Ziegler**  
20 min The Fr1da study – general population screening for type 1 diabetes  
10 min - Discussion -

**09:30** **Kendra Vehik**  
20 min Autoimmunity in the TEDDY study  
10 min - Discussion -

**10:00** **Meike Köhler**  
10 min Modelling changes in islet autoantibodies over time  
5 min - Discussion -

**10:15** - COFFEE BREAK -

**Chair: Ezio Bonifacio**

### >> HDC-Seminar

**10:45** **Michael Christie**  
30 min B-cell responses to islet autoantigens old and new  
15 min - Discussion -

**11:30** **Harry Heimberg**  
30 min Reprogramming towards beta cells  
15 min - Discussion -

**12:15** - LUNCH -

## Programme

**Chair: Peter Achenbach**

**13:15** **Jan Krumsiek**  
15 min Screening for genetic risk and ,OMICS' markers  
10 min - Discussion -

**13:40** **Richard Oram**  
20 min Early type 1 diabetes  
10 min - Discussion -

**Chair: Sandra Hummel**

**14:10** **Jan Knoop**  
10 min + 5 Mechanisms of protection against islet autoimmunity by maternal type 1 diabetes

**Isabelle Serr**  
10 min + 5 T-cell phenotypes relevant for immune activation in human type 1 diabetes

**Andreas Beyerlein**  
10 min + 5 Infections and type 1 diabetes

**Donna Ankerst**  
10 min + 5 Vaccinations and type 1 diabetes

**15:10** **Conclusion and introduction to the Oktoberfest**  
Ezio Bonifacio

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## Speakers and Chairs

### **Peter Achenbach**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

### **Donna Ankerst**

Chair of Mathematical Modeling of Biological Systems, Technische Universität München, Germany

### **Andreas Beyerlein**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

### **Ezio Bonifacio**

Center for Regenerative Therapies Dresden, Paul Langerhans Institute Dresden, TU Dresden; Institute for Diabetes and Obesity, Helmholtz Zentrum München, Germany

### **Michael Christie**

Reader in Biomedical Sciences, School of Life Sciences, University of Lincoln, United Kingdom

### **Harry Heimberg**

Diabetes Research Center, Vrije Universiteit Brussels, Belgium

### **Sandra Hummel**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

### **Jan Knoop**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

## Speakers and Chairs

### **Meike Köhler**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

### **Jan Krumsiek**

Institute of Computational Biology, Helmholtz Zentrum München, Germany

### **Richard Oram**

Medical School, University of Exeter, United Kingdom

### **Isabelle Serr**

Institute of Diabetes Research, Helmholtz Zentrum München, Germany

### **Kendra Vehik**

Department of Pediatrics, University of South Florida, Tampa, USA

### **Anette-Gabriele Ziegler**

Institute of Diabetes Research, Helmholtz Zentrum München; Forschergruppe Diabetes e.V.; Forschergruppe Diabetes, Klinikum rechts der Isar, Technische Universität München, Germany

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## Oktoberfest Symposium 2015

### **TYPE 1 DIABETES: EARLY MARKERS OF CHILDHOOD DISEASE**

Lecture hall  
Building 33 (Rajewskiplatz)  
Ingolstädter Landstr. 1, 85764 Neuherberg

Tuesday, September 29<sup>th</sup>, 2015  
8:50 a.m. - 3:10 p.m.



Presented by

**Institute of Diabetes Research**  
**Helmholtz Diabetes Center**  
Helmholtz Zentrum München

**Forschergruppe Diabetes**  
Klinikum rechts der Isar, Technische Universität München

**Forschergruppe Diabetes e.V.**  
at Helmholtz Zentrum München