

Shaping Type 1 Diabetes

Tuesday, October 1st, 2013

Dear colleagues,

just in time for the Oktoberfest we announce our 7th traditional „Wiesn Symposium“. This year's event topic is „Shaping Type 1 Diabetes.“ It is focused on shapes – the shapes of type 1 diabetes and the factors that shape or could change the development of type 1 diabetes.

Renowned scientists from all over the world meet again in Munich to present and discuss new results from their research.

The Oktoberfest Symposium is organized by the Institute of Diabetes Research, Helmholtz Zentrum München in cooperation with the German Center for Diabetes Research (DZD) and the Competence Network Diabetes mellitus.

As always, after the intense discussions guests and participants have the opportunity to visit the Oktoberfest and complete their trip to Munich with an unique and traditional Bavarian experience.

We are looking forward to welcoming you to the symposium and to Munich.


Anette-Gabriele Ziegler


Ezio Bonifacio

Programme

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

I) Environmental shaping

Chair: Martin Hrabé de Angelis

09:00 - 09:35 **Dirk Gevers**
25 min **Key lecture: Human microbiome in autoimmune diseases**
10 min **- Discussion -**

09:35 - 09:50 **Wolfgang zu Castell**
The microbiome in infancy: BABYDIET study

09:50 - 10:05 **Irina Lehmann**
Environmental exposure and epigenetics of cord blood

10:05 - 10:20 **Daniela Much**
Metabolomics of breast feeding for diabetes protection

10:20 - 10:40 Discussion

10:40 - 11:10 COFFEE BREAK

II) Immune shaping

Chair: Anette-Gabriele Ziegler

11:10 - 11:45 **Matthias von Herrath**
25 min **Key lecture: T cells in the pancreas**
10 min **- Discussion -**

11:45 - 12:05 **Christof von Kalle**
T cell receptor sequencing in disease

12:05 - 12:25 **Åke Lernmark**
The first primary outcome in TEDDY

12:25 - 12:45 **Ezio Bonifacio / Anne Eugster**
Islet responsive T cell phenotypes

12:45 - 13:05 Discussion

Programme

13:05 - 14:00 LUNCH

III) Genetic shaping

Chair: Fabian Theis

14:00 - 14:15 **Jan Krumsiek**
Gene combinations for type 1 diabetes modeling

14:15 - 14:30 **Peter Achenbach**
Modeling disease progression

14:30 - 14:40 Discussion

IV) Shaping by intervention

Chair: Ezio Bonifacio

14:40- 15:15 **Yoram Reiter**
25 min **Key lecture: TCRL antibodies for disease prevention**
10 min **- Discussion -**

15:15 - 15:35 **Karsten Kretschmer**
Antigen targeting of dendritic cells

15:35 - 15:55 **Matthias Tschöp**
Novel drug design and engineering: challenges and possibilities

15:55 - 16:10 Discussion

16:10 **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

Ezio Bonifacio

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

Wolfgang zu Castell

Institute of Biomathematics and Biometry, Helmholtz Zentrum München, Germany

Anne Eugster

Center for Regenerative Therapies Dresden, Paul Langerhans Institute Dresden, TU Dresden, Germany

Dirk Gevers

The Broad Institute of MIT and Harvard
Genome Sequencing and Analysis Program, Boston, USA

Matthias von Herrath

Center for Type 1 Diabetes Research, La Jolla Institute for Allergy and Immunology, University of California, USA

Martin Hrabé de Angelis

Institute of Experimental Genetics, Helmholtz Zentrum München, Germany

Christof von Kalle

National Center for Tumor Diseases, Heidelberg, Germany

Karsten Kretschmer

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Jan Krumsiek

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Irina Lehmann

Environmental Immunology, Helmholtz Centre for Environmental Research, Leipzig, Germany

Speakers and Chairs

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Department of Clinical Sciences, Lund University, Malmö, Sweden

Daniela Much

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Yoram Reiter

Department of Biology Technion - Israel Institute of Technology, Haifa, Israel

Fabian Theis

Computational Modeling in Biology, Helmholtz Zentrum München, Germany

Matthias Tschöp

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Deutsches Forschungszentrum für Gesundheit und Umwelt



DZD
Deutsches Zentrum
für Diabetesforschung



— FORSCHERGRUPPE DIABETES E. V. —
am Helmholtz Zentrum München



Oktoberfest Symposium 2013

SHAPING TYPE 1 DIABETES

Auditorium (Building 23)
Helmholtz Zentrum München
Ingolstädter Landstr. 1, 85764 Neuherberg

Tuesday, October 1st, 2013

8:50 a.m. - 4.15 p.m.



8 CME
points

Presented by

Institute of Diabetes Research
Helmholtz Zentrum München

Forschergruppe Diabetes
Klinikum rechts der Isar, Technische Universität München

Forschergruppe Diabetes e.V.
at Helmholtz Zentrum München

Deutsches Zentrum für Diabetesforschung