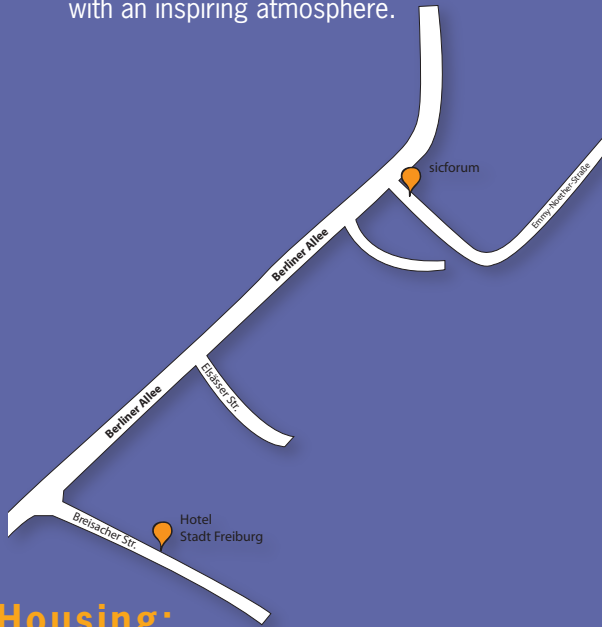


Workshop:

sicforum Freiburg
Emmy-Noether-Straße 2
79072 Freiburg

Located in the Solar Info Center Freiburg the sicforum offers state of the art meeting facilities with an inspiring atmosphere.



Housing:

Hotel Stadt Freiburg
Breisacher Straße 84
79110 Freiburg
www.hotel-stadt-freiburg.de

5 min away from the **sicforum**

Reservations/Requests:

Prof. Dr. Jochen Seufert
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Press:

Cordula Falk
Competence Network Diabetes Mellitus

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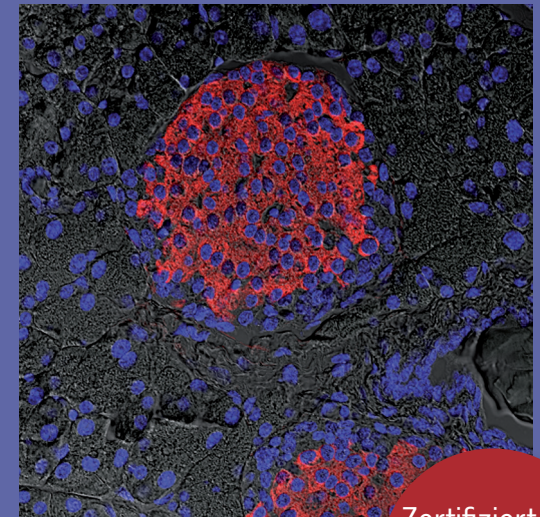
E-mail: cordula.falk@lrz.uni-muenchen.de
URL: www.kompetenznetz-diabetes-mellitus.net

AKROBAT

(Advance Knowledge for Restoration of Beta Cells and Diabetes Therapy)

and

10th German Islet Workshop Freiburg



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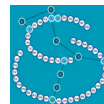
MSD



UNIVERSITÄTS
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GEFÖRDERT VOM



Kompetenznetz
Diabetes mellitus



Bundesministerium
für Bildung
und Forschung

17. - 19. March 2011

Thursday - March 17, 2011

12:00 -14:00 Arrival, registration and mounting posters
14:00 -14:15 Welcome
14:15 -16:15 **Signalling in β -cells**
20 min talk, 10 min discussion

F. Spagnoli, Max-Delbrück-Center for Molecular Medicine, Berlin
From endoderm to pancreas

M. Solimena, Dresden University of Technology
Polypyrimidine tract-binding proteins and β -cells

S. Baltrusch, University of Rostock
Regulation of blood glucose by activation and inhibition of glucokinase

I. Rustenbeck, University of Braunschweig
The signaling role of action potential depolarisation in insulin secretion

16:15 - 16:45 Coffee break & posters
16:45 - 17:45 **Stem cells in diabetes**
20 min talk, 10 min discussion

I.S. Schroeder, Martin Luther University Halle-Wittenberg
The use of pluripotent stem cells for modeling type 2 diabetes mellitus and for cellular therapies

G. Páth, University Hospital of Freiburg
Cellular crosstalk between MSC and β -cells

Friday - March 18, 2011

08:00 - 10:00 **Regulation of β -cell mass and stress**
20 min talk, 10 min discussion

M. Kragl, Heinrich-Heine-University, Düsseldorf
Extracellular matrix-receptor interaction in β -cell function

K. Maedler, University of Bremen
Rescue for β -cells: the Fas apoptotic inhibitory protein TOSO induces proliferation in human β -cells

M. Tiedge, University of Rostock
Mitochondrial aspects of beta cell dysfunction

S. Lenzen, Medical School of Hannover
Role of metabolic reactive oxygen species for lipotoxicity in β -cells

10:00 - 10:30 Short oral presentations 10 min talk, 5 min discussion

10:30 - 11:00 Coffee break & posters

11:00 - 12:00 **Novel techniques - β -cell imaging**
20 min talk, 10 min discussion

M. Behe, University Hospital of Freiburg
Molecular β -cell imaging: basics and state of the art

T. Lasser, Laboratoire d'Optique Biomédicale EPFL, Lausanne, Switzerland
Optical islet imaging

12:00 - 12:30 Short oral presentations 10 min talk, 5 min discussion

12:30 - 14:00 Lunch & Posters

14:00 - 15:30 **Basic immune mechanisms**
20 min talk, 10 min discussion

E. Jaeckel, Medical School of Hannover
Antigen-specific regulatory T cells prevent diabetes by long-term persistence and infectious tolerance without compromising general immunocompetence

K. Kretschmer, Dresden University of Technology
Mechanisms of autoimmunity and immunotolerance to pancreatic β -cells

E. Bonifacio, Dresden University of Technology
Mechanisms of expansion of islet autoreactive T cells

15:30 - 16:30 Short oral presentations 10 min talk, 5 min discussion

16:30 - 17:00 Coffee break & posters

17:00 - 18:00
E. Eizirik, Université Libre de Bruxelles, Belgium
The signal transduction of pancreatic beta cell apoptosis

Saturday - March 19, 2011

08:00 - 09:30 **Hormonal and gene regulation**
20 min talk, 10 min discussion

U. Lendeckel, University of Greifswald
Physiology and pathophysiology of the classical and alternative axes of the renin-angiotensin-system (RAS) in the islet of Langerhans

M.N. Poy, Max-Delbrück-Center for Molecular Medicine, Berlin
Role of microRNAs

C. Eberle, Ludwig-Maximilian-University Munich
Effects of maternal hyperglycemia on their offspring - diabetic risk begins in utero

09:30 - 10:00 Short oral presentations 10 min talk, 5 min discussion

10:00 - 10:30 Coffee break & posters

10:30 - 11:30 **Translational immune therapy**
20 min talk, 10 min discussion

A. Jörns, Medical School of Hannover
CD3 antibody therapy alone or in combination with FTY720 for type 1 diabetes cure in the IDDM rat

N. Schloot, Deutsches Diabetes-Zentrum, Düsseldorf
Immune intervention in human type 1 diabetes - novel clinical studie

11:30 - 12:00 Small lunch and farewell