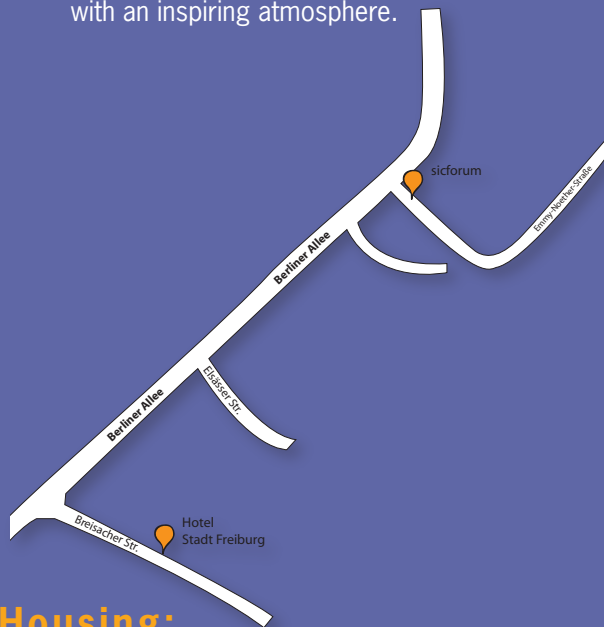


## Workshop:

**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](http://www.hotel-stadt-freiburg.de)

5 min away from the **sicforum**

## Reservations/Requests:

**Prof. Dr. Jochen Seufert**  
Division of Endocrinology and Diabetology

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University Hospital of Freiburg  
Hugstetter Str. 55  
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URL: <http://endokrinologie.uniklinik-freiburg.de>

## Press:

**Cordula Falk**  
Competence Network Diabetes Mellitus

Fon +49-89-3187-3157  
Fax +49-89-3187-3144

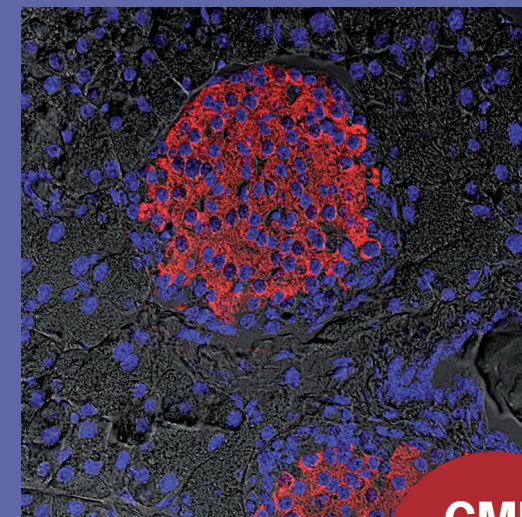
E-mail: [cordula.falk@lrz.uni-muenchen.de](mailto:cordula.falk@lrz.uni-muenchen.de)  
URL: [www.kompetenznetz-diabetes-mellitus.net](http://www.kompetenznetz-diabetes-mellitus.net)

## AKROBAT

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

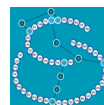
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## 10th German Islet Workshop Freiburg



**CME**  
zertifizierte  
Fortbildung

Sponsored by



**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  $\beta$ -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  $\beta$ -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  $\beta$ -cells**

# Friday - March 18, 2011

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

M. Kragl, Heinrich-Heine-University, Düsseldorf  
**Extracellular matrix-receptor interaction in  $\beta$ -cell function**

K. Maedler, University of Bremen  
**Rescue for  $\beta$ -cells: the Fas apoptotic inhibitory protein TOSO induces proliferation in human  $\beta$ -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  $\beta$ -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 -  $\beta$ -cell imaging**  
20 min talk, 10 min discussion

M. Behe, University Hospital of Freiburg  
**Molecular  $\beta$ -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  $\beta$ -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

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