

## Abstracts and Publication

### Call for Abstracts and Proceedings

Authors are invited to submit a one-page abstract. A template will be available online. Abstracts will be accepted only, if the template format is used accurately. Each submission will be peer-reviewed and, if accepted, published in an online open-access proceedings. Each contribution is assigned a DOI.

Additionally, a printed version of the book of abstracts will be available at the symposium.

To be included in the conference publication, a submission of your abstract (latest on Aug 05, 2018) and presentation of your research at the conference (as a talk or poster) is mandatory.

[www.rab-symposium.org/publication](http://www.rab-symposium.org/publication)

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**Prof. Dr. Gabriela Riemekasten**  
Director, Department of Rheumatology and Clinical Immunology; Universitätsklinikum Schleswig-Holstein and Universität zu Lübeck



**Prof. Dr. Yehuda Shoenfeld**  
Head of the Center of Autoimmunity at Sheba Tel Ha Shomer Hospital Tel Aviv University, Israel



**Prof. Dr. Fritz Boege**  
Director, Central Institute for Clinical Chemistry and Laboratory Diagnostics Universitätsklinikum Düsseldorf



**Prof. Dr. Duska Dragun**  
Head of the nephrology research laboratory at the Charité Campus Virchow-Klinikum Berlin

## Information

### Scientific Chair

Prof. Dr. Gabriela Riemekasten  
E-Mail: [gabriela.riemekasten@uksh.de](mailto:gabriela.riemekasten@uksh.de)

### Scientific Office

Dr. Anja Kerstein  
E-Mail: [anja.kerstein@uksh.de](mailto:anja.kerstein@uksh.de) T: +49 451 500-50866

### Host and Organization

Infinite Science GmbH  
E-Mail: [info@rab-symposium.org](mailto:info@rab-symposium.org) | T: +49 451 5853-2901

### Venue and Accommodation

Radisson Blu Senator Hotel  
Willy-Brandt-Allee 6, 23554 Lübeck, Germany  
T: +49 451-1420 [www.senatorhotel.de](http://www.senatorhotel.de)

The Hotel offers a limited number of rooms at our special rate. Please indicate the key *GPCR* when booking a room.

### Conference Ticket of Deutsche Bahn

Special prices are offered. Further information and online booking: [www.infinite-science.de/bahn](http://www.infinite-science.de/bahn)

### Registration

Registration is required for first authors of accepted posters or talks. If you are the first author of an accepted abstract, your registration cannot be refunded. If the first author is unable to attend the meeting and would like to appoint a substitute presenter, contact us by email for final approval. Full payment of the registration fee must be made at the time of registration by credit card (Visa, MasterCard), Sofortüberweisung or within 7 days by bank transfer. Early registration fee needs to be paid by July 15, 2018. Please register online at:

[www.rab-symposium.org/registration](http://www.rab-symposium.org/registration)

Registration fee	until 15.07.18	from 16.07.18
Full registration	325 €	375 €
Members of UKSH/UzL	150 €	150 €
Student registration*	145 €	165 €
Social event	65 €	65 €

\* Only valid up to the age of 27 years, student ID required upon registration

### Cancellation policy

For cancellations made by Aug 15, 2018, your registration fee will be refunded less a 70 € cancellation fee. No refunds will be given for cancellations made after Aug 15, 2018.



## Sponsors

The 2nd Symposium on Regulatory Autoantibodies Targeting G-Protein-Coupled Receptors is kindly supported by:

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## Call for papers



2<sup>nd</sup> Symposium on  
**Regulatory  
Autoantibodies Targeting  
G-Protein-Coupled Receptors**  
September 28 – 30, 2018

12 CME credit points

[www.rab-symposium.org](http://www.rab-symposium.org)

# Welcome

Dear Sir or Madam, dear colleagues,

It is a great pleasure to announce the second symposium on regulatory autoantibodies targeting G-protein-coupled receptors (GPCRs) in Lübeck. GPCRs are involved in a variety of physiological and pathophysiological processes. So far, much effort has been made on anti-GPCR drug discovery with a focus on the development of small molecules and monoclonal antibodies for the treatment of cancer, infection, metabolic disorders or inflammatory diseases. Recently, functional autoantibodies directed against GPCRs were identified in various diseases associated with pathogenesis, uncovering a potential new field of therapeutic intervention. Thus, the aim of this symposium is to combine the current knowledge on the role of GPCRs in different pathologies, their mode of action and state-of-the-art research techniques to identify common fundamental pathways that can be transferred to other disease entities with similar manifestations.

I cordially invite you to participate in this inspiring symposium with outstanding speakers from the field of GPCR research and constructive discussions as well as poster sessions. I look forward to welcome you to the beautiful Hanseatic City of Lübeck and encourage you and your colleagues to contribute to this exciting meeting.

**Prof. Dr. med. Gabriela Riemekasten**

Director  
Department of Rheumatology and Clinical Immunology  
Universitätsklinikum Schleswig-Holstein  
Universität zu Lübeck

# Program

## Friday, September 28, 2018

16:00 - 20:00

Registration

17:00 - 18:30

**Welcome and opening lectures**

**Welcome note by the University President**  
*Gabriele Gillesen-Kaesbach*

**Welcome note by the Symposium's Chair**  
*Gabriela Riemekasten*

**Challenges in the research of anti-GPCR ab I**  
*Duska Dragun*

**Challenges in the research of anti-GPCR ab II**  
*Martin Lohse*

18:40 - 20:30

Get-together

## Saturday, September 29, 2018

09:00 - 10:30

**Anti-GPCR ab: advantages, pitfalls and problems in the diagnosis**

**Functional ab causing psychiatric manifestations: Lessons need to be learned**  
*Yehuda Shoenfeld*

**Ab signatures in autoimmune and non-autoimmune diseases**  
*Gabriela Riemekasten*

**Lessons from TSRH ab: pitfalls and challenges in their diagnostic**  
*Simon Lytton*

Talks from selected abstracts

10:30 - 11:00

Coffee break

11:00 - 12:30

**Are anti-GPCR ab pathogenic?**

**$\beta$ -adrenergic receptor ab: pitfalls in the diagnostic and in studying ab effects**  
*Fritz Boege*

**Novel targets in the diagnosis of autoimmune and non-autoimmune diseases**  
*Harald Heidecke*

**Anti-AT1R ab and autoimmunity to GPCR as cause or contributor to skin fibrosis and interstitial lung disease**  
*Xinhua Yu*

**Monoclonal anti-AT1R ab from a SSc mouse model: evaluation of their functions**  
*Frank Petersen*

Talks from selected abstracts

12:30 - 13:30

Lunch break

13:30 - 14:30

Poster session

14:30 - 16:00

**Signaling of anti-GPCR ab: can we identify novel targets?**

**Signaling and GPCR biology using cell models**  
*Aurelie Philippe*

**Lessons from dermatology: Anti-Dsg1/3 und anti-BP180-induced signaling**  
*Ralf Ludwig*

**Role of antibodies against PAR-1 and PAR 2 in different diseases**  
*Rusan Catar*

Talks from selected abstracts

16:00 - 16:30

Coffee break

16:30 - 18:00

**Anti-GPCR ab as marker for diseases and therapeutic responses**

**Antibodies against complement receptors: impact on pathophysiology**  
*Christian Karsten*

**Anti-GPCR ab in atherosclerosis**  
*Zouhair Aherrahrou*

**Immunoabsorption in Vascular Dementia - a novel approach to Alzheimer's Disease?**  
*Hans Grabe*

**First results of the prospective ETICS-Study: inflammation rather than ischemia triggers the development of cardiac GPCR-autoantibodies**  
*Roland Jahns*

Talks from selected abstracts

from 18:30

Social Event with Dinner

## Sunday, September 30, 2018

09:00 - 10:30

**The difficulty of applying new treatment options in outpatient and clinical patient care.**

**Chronic Fatigue-Syndrom und Apherese**  
*Carmen Scheibenbogen*

**The DNA-based therapeutic agent BC 007 completely neutralizes agonistic autoantibodies directed against 1-adrenoreceptors: results of a phase 1 trial**  
*Niels-Peter Becker*

Talks from selected abstracts

10:30 - 11:00

Coffee break

11:00 - 12:15

**Summary and round table discussion, closing remarks**

**30 years of functional anti-GPCR ab: how to come into the clinical practice? What is missing to convince others?**

**Closing remarks**  
*Gabriela Riemekasten*