

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

Scientific Committee



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

Scientific Office

Dr. Anja Kerstein
E-Mail: anja.kerstein@uksh.de T: +49 451 500-50866

Host and Organization

Infinite Science GmbH
E-Mail: info@rab-symposium.org T: +49 451 5853-2901

Accommodation

Radisson Blu Senator Hotel
Willy-Brandt-Allee 6, 23554 Lübeck, Germany
T: +49 451-1420 www.senatorhotel.de

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

Venue

University of Lübeck, Audimax
Mönkhofer Weg 245, 23562 Lübeck, Germany

Conference Ticket of Deutsche Bahn

Special prices are offered. Further information and online booking: 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. Please register online at: www.rab-symposium.org/registration

Registration fee

Full registration	375 €
Student* and Members of UKSH/UzL	165 €
Social event	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.



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

12 CME credit points

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. 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?

β -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

Agonistic antibody diseases = Autoimmune diseases ? - From bench to bedside
Rudolf Kunze

Talks from selected abstracts

10:30 - 11:00

Coffee break

11:00 - 12:15

Summary and round table discussion, closing remarks