

Registration form

Sheraton Hannover Pelikan Hotel
Pelikanplatz 31
30177 Hannover, Germany

In order to participate, please complete this form and email the completed form until

30th October, 2022 to KF0311@mh-hannover.de

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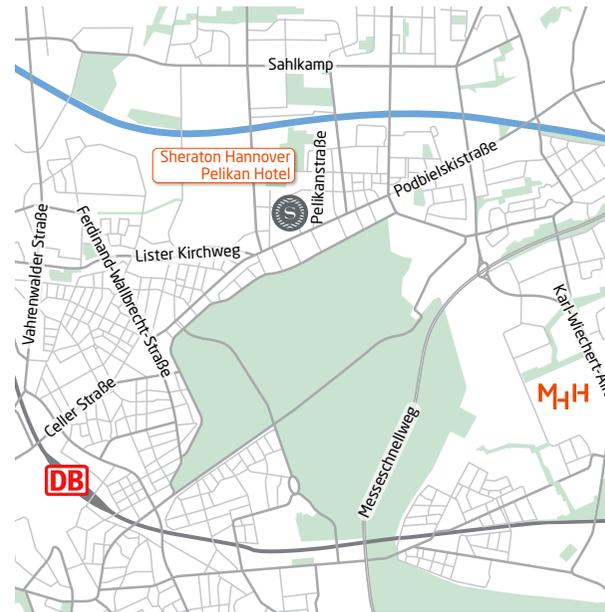
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Organized by:



Clinical Research Unit 311

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A certification of the "Ärztchamber Niedersachsen" is requested.

Symposium of KF0311

Cardiac and pulmonary failure: mechanical unloading and repair

November 11 -12, 2022

Sheraton Hannover Pelikan Hotel,
Germany



KF0311

unloading & repair

MHH
Hannover Medical
School

DFG Deutsche
Forschungsgemeinschaft
German Research Foundation

Dear colleagues,

we would like to invite you to our second International Symposium "Cardiac and pulmonary failure: mechanical unloading and repair" organized by our Clinical Research Unit (Klinische Forschungsgruppe, KFO 311). The meeting will be held on 11th and 12th November, 2022, in the Sheraton Hannover Pelikan Hotel. We focus on mechanical support and novel therapies for acute or advanced heart and lung failure (www.mhh.de/kfo311).

We have organized a series of clinical and basic science lectures from renowned national and international experts to stimulate discussion in the exciting and quickly emerging field of biological and mechanical therapies for advanced organ failure. This symposium will focus on (i) insight into the biological effects of mechanical unloading in end-stage cardiac and pulmonary failure, (ii) discovery of novel biological and pharmacological therapies, and (iii) identification of innovative applications and evidence-based development of future unloading and support strategies.

The symposium is addressed to basic researchers, translational scientists and physicians involved in the investigation and treatment of patients with advanced heart and/or lung failure.

Part of the symposium is a poster session where young scientists can present their work and three candidates will be awarded the KFO311 Young Investigator Award for their research.

We hope to welcome you in Hannover for this exciting meeting and to contribute to the scientific discussion.



Prof. Dr. Johann Bauersachs



Prof. Dr. Tibor Kempf

Friday, November 11, 2022

15:00 - 15:15 Johann Bauersachs /
Tibor Kempf (Hannover)
Welcome

Session 1 **Novel therapies targeting the failing heart**
Chairs: Tibor Kempf / Christian Bär (Hannover)

15:15 - 15:45 Timothy McKinsey (Colorado, USA)
Cardiac fibrosis in heart failure

15:45 - 16:10 Thomas Thum (Hannover)
Targeting the hypertrophic heart

16:10 - 16:40 Kory Lavine (St. Louis, USA) **ONLINE**
Targeting inflammation in heart failure

16:40 - 17:05 Kai C. Wollert (Hannover)
Paracrine signaling during infarct repair: mechanisms and therapeutic opportunities

17:05 - 17:30 *Coffee break*

Session 2 **Advanced heart and lung failure**
Chairs: Axel Haverich /
Marius Hoeper (Hannover)

17:30 - 18:00 Alexandre Mebazaa (Paris, France)
Acute heart failure - prognostication and treatment

18:00 - 18:30 Daiana Stolz (Freiburg) **ONLINE**
Cardiovascular co-morbidity in chronic obstructive lung disease

18:30 - 19:00 Laurent Savale (Paris, France)
Right heart failure in patients with pulmonary hypertension

Saturday, November 12, 2022

Session 3 **Cellular repair of the failing heart and lung**
Chairs: Kai C. Wollert / Ruth Olmer (Hannover)

08:45 - 09:10 Wolfram-Hubertus Zimmermann (Göttingen)
Tissue-engineered cardiac constructs for cardiac repair

09:10 - 09:35 Ulrich Martin (Hannover)
Transplantation of hiPS-cardiomyocyte aggregates in a preclinical non-human primate model of myocardial infarction

09:35 - 10:00 Pieter Hiemstra (Leiden, Netherlands)
Strategies for repair and regeneration of lung tissue

10:00 - 10:25 Arjun Deb (Los Angeles, USA)
Non-myocytes to enhance heart repair

10:25 - 11:25 *Coffee break / Poster session*

Session 4 **Interactions and imaging in heart and lung disease**
Chairs: Melanie Ricke-Hoch / Ulrich Martin (Hannover)

11:25 - 11:50 Matthias Nahrendorf (Boston, USA) **ONLINE**
Immune cells in cardiac homeostasis and disease

11:50 - 12:15 Frank M. Bengel (Hannover)
Translational imaging of the immune-fibrosis axis

12:15 - 12:40 Mark Philipp Kühnel (Hannover)
News from the fibrovascular interface

12:40 - 13:05 Jens Vogel-Claussen (Hannover)
MRI for pulmonary disease

13:05 - 13:45 *Lunch*

13:45 - 14:10 Torsten Doenst (Jena)
Special lecture – translational research in cardiovascular surgery and promoting early career researchers

Session 5 **Comorbidities**
Chairs: Johann Bauersachs /
Theresa Kraft (Hannover)

14:10 - 14:35 Jörg Heineke (Heidelberg)
Skeletal muscle interaction in heart failure

14:35 - 15:05 Christoph Maack (Würzburg) **ONLINE**
Mitochondrion-driven cardiac metabolism and function

15:05 - 15:30 Tibor Kempf (Hannover)
Iron deficiency in heart failure

15:30 **Poster award ceremony**