

Registration form

Forum Niedersachsen

Medical Park Hannover,
Feodor-Lynen-Straße 27,
30625 Hannover, Germany

In order to participate, please complete this form and fax or email the completed form until November 1, 2018 to

+49-511-532-18561 or to **KFO311@mh-hannover.de**

Name

Address

Phone

Email

Signature/stamp

Contact details

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Organized by:



Clinical Research Group 311

Supported by:



In cooperation with "AG Herzinsuffizienz" of the German Cardiac Society.

A certification of the "Ärztammer Niedersachsen" is requested.



International Symposium

Cardiac and pulmonary failure: mechanical unloading and repair

November 23-24, 2018

Forum Niedersachsen
Medical Park Hannover,
Germany



Dear colleagues,

We would like to invite you to our first International Symposium "Cardiac and pulmonary failure: mechanical unloading and repair" organized by our Clinical Research Unit (Klinische Forschergruppe, KFO 311). The meeting will be held on 23rd and 24th November 2018 in the Forum Niedersachsen in Hannover. We focus on mechanical support and novel therapies for acute or advanced heart and lung failure (www.kfo311.de/en).

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 lung failure.

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



Prof. Dr. Johann Bauersachs



Prof. Dr. Axel Haverich



Prof. Dr. Tibor Kempf



Prof. Dr. Tobias Welte

Friday, November 23, 2018

15:15 Johann Bauersachs, Hannover /
Tibor Kempf, Hannover
Welcome

Session 1 Cardiac and pulmonary failure
Chair: Axel Haverich, Hannover /
Andreas Schäfer, Hannover

15:30 - 16:00 Alexandre Mebazaa, Paris
Acute heart failure:
presence and future

16:00 - 16:30 Frank Ruschitzka, Zürich
Advanced heart failure: what should we
consider beyond the guidelines

16:30 - 17:00 Klaus Rabe, Grosshansdorf
Exacerbation: The driver of disease
progression in pulmonary diseases

17:00 - 17:20 Coffee break

**Session 2 Biological mechanisms of organ
failure and mechanical unloading**
Chair: Ina Gruh, Hannover /
Stephan E. Lehnart, Göttingen

17:20 - 17:45 Ralph Schermuly, Gießen
Pathophysiology of right heart failure

17:45 - 18:10 Florian Leuschner, Heidelberg
Inflammatory response in
myocardial infarction

18:10 - 18:35 Adam Wende, Birmingham, USA
Metabolic remodeling of the failing heart

18:35 - 19:00 Tibor Kempf, Hannover
Iron deficiency aggravates heart failure

Saturday, November 24, 2018

**Session 3 Mechanical circulatory support: myo-
cardial recovery and novel opportunities**
Chair: Christian Putensen, Bonn /
Jan D. Schmitto, Hannover

09:00 - 09:30 Jacob Eifer Møller, Odense
Impella ventricular support: scientific
evidence and clinical practice

09:30 - 09:55 Tobias Welte, Hannover
How pulmonary disease affects the heart

09:55 - 10:25 John Dark, Newcastle, UK
"Ex" becomes "in": A new direction for ex
vivo lung perfusion?

10:25 - 11:25 Coffee break / Poster Session

**Session 4 Interactions and imaging
in heart and lung disease**
Chair: Jens Vogel-Claussen, Hannover /
Johann Bauersachs, Hannover

11:25 - 11:50 Kristina Lorenz, Dortmund
A kinase regulator reveals protective
beta-adrenoceptor signaling pathways in
heart failure

11:50 - 12:15 Antje Prasse, Hannover
In vitro repair as a new treatment target:
The example of pulmonary fibrosis

12:15 - 12:40 Frank M. Bengel, Hannover
Molecular imaging in heart and lung failure

12:40 - 13:05 Marius Hoeper, Hannover
Interaction between cardiac dysfunction
and pulmonary hypertension

13:05 - 13:45 Lunch

**Session 5 New therapies for advanced
heart and lung failure**
Chair: Denise Hilfiker-Kleiner, Hannover /
Wolfram-Hubertus Zimmermann, Göttingen

13:45 - 14:10 Kai C. Wollert, Hannover
Protein-based therapies for heart
failure/myocardial infarction

14:10 - 14:35 Thomas Thum, Hannover
RNA-based therapies for heart
failure/myocardial infarction

14:35 - 15:05 Stavros G. Drakos, Salt Lake City, USA
Reverse remodeling and myocardial
recovery of the failing heart

15:05 - 15:30 Ulrich Martin, Hannover
Stem-cell based therapies for heart and
lung failure