

## Sponsors



## Welcome



Patients with heart failure have often and various comorbidities. These have a substantial impact on the heart, and the condition of heart failure predisposes to comorbidities. To understand this inter-organ crosstalk, we need to elucidate the systemic aspects of heart failure and its comorbidities, which mostly involve neuroendocrine activation, inflammation and metabolic alterations.

In this first **DZHI/DZHK Joint Symposium**, we focus on **cardiac comorbidities** and therefore,



**the interfaces between the heart and other organs, with a special emphasis on the interplay of inflammation, metabolism and neuroendocrine activation.**



The sessions will cover **basic, translational and clinical aspects** and will involve **recent developments of imaging technologies** to monitor pathological processes *in vitro* and *in vivo*

The symposium should further stimulate the **dialogue between clinicians, basic scientists and imaging specialists**, who are sometimes of even more specialized fields like physics and chemistry. A special emphasis lies on **attracting young scientists and clinicians** to present their work in poster sessions, which will help to motivate them to engage a career in cardiovascular science. For this purpose, we also offer a special career workshop before the official opening of the scientific program on Thursday morning.

To register and submit abstracts please go to [www.heartfailureinterfaces.de](http://www.heartfailureinterfaces.de)

We look forward to welcoming you in Würzburg!

Christoph Maack & Johannes Backs  
Meeting Co-Chairs

Bilder: Gregor Schläger

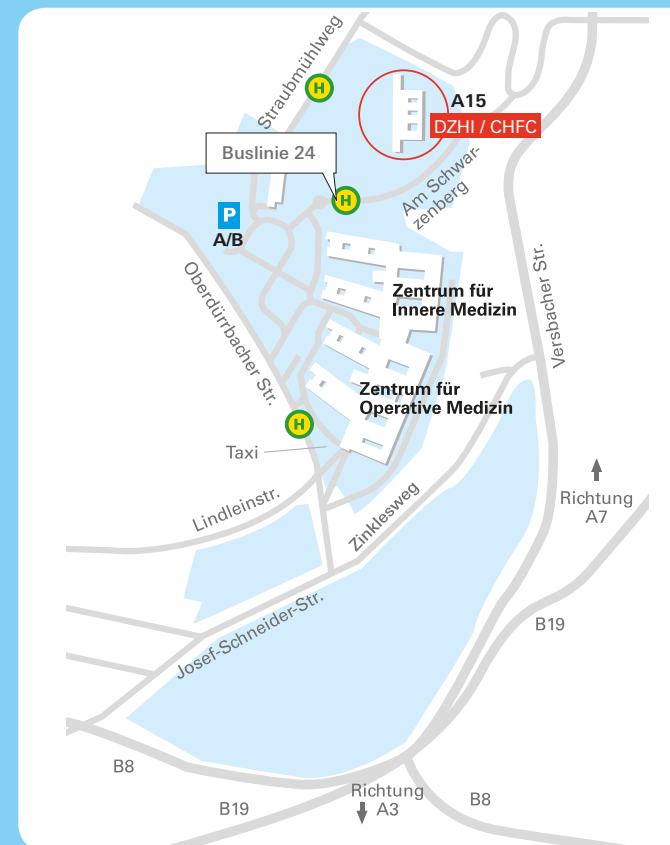


## Contact



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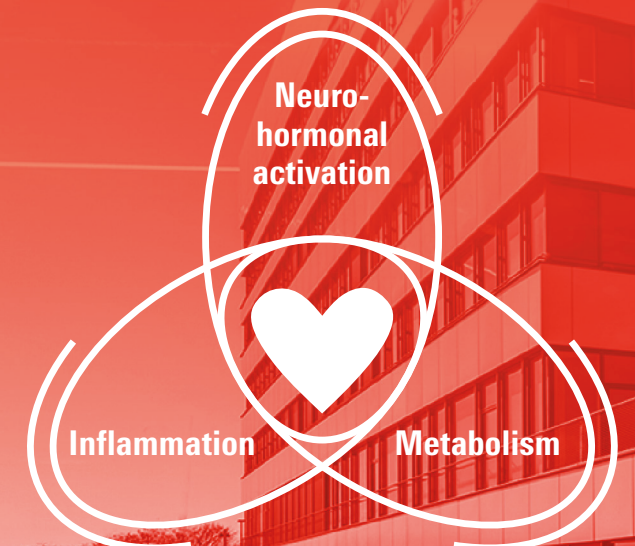
**DZHK**  
DEUTSCHES ZENTRUM FÜR  
HERZ-KREISLAUF-FORSCHUNG E.V.

Comprehensive  
Heart Failure Center



## DZHI/DZHK Joint Symposium Heart Failure Interfaces

Würzburg, July 11-13, 2019



Thursday, July 11, 2019

11:30 – 13:00 **Career workshop: My life as a clinician, scientist or both?** *(Supported by Novartis)*  
**Chairs: Johannes Backs (Heidelberg), Stefanie Hahner (Würzburg)**

11:30 – 12:00 **Florian Leuschner** (Heidelberg)  
How to combine clinic and basic research?  
A personal view

12:00 – 12:30 **Anna Frey** (Würzburg)  
Women as clinician-scientists – obstacles and opportunities

12:30 – 13:00 **Thomas Eschenhagen** (Hamburg)  
Drug development: The many hurdles during translation from the idea to patient application

13:00 – 14:15 **Registration**

14:15 – 14:30 **Welcome note (Christoph Maack)**

14:30 – 16:05 **Heart & Brain**  
**Chairs: Jürgen Deckert (Würzburg), Peter Heuschmann (Würzburg)**

14:30 – 14:50 **Jelena-Rima Ghadri** (Zürich, CH)  
Takotsubo cardiomyopathy – the clinical problem

14:50 – 15:10 **Katrin Streckfuß-Böhmeke** (Göttingen)  
What stem cells tell us about Takotsubo cardiomyopathy

15:10 – 15:30 **Karl Georg Häusler** (Würzburg)  
How stroke begets heart failure

15:30 – 15:50 **Anna Frey** (Würzburg)  
Brain lesions and cognitive deficits in heart failure

15:50 – 16:05 **Gerd Hasenfuss** (Göttingen)  
The New Heart and Brain Center Göttingen

16:05 – 16:30 **Break**

16:30 – 18:00 **Inflammation: a target in heart failure?**  
**Chairs: Katrin Heinze (Würzburg), Alma Zernecke-Madsen (Würzburg)**

16:30 – 16:52 **Stefan Frantz** (Würzburg)  
The clinical problem

16:52 – 17:15 **Florian Leuschner** (Heidelberg)  
Monocyte activation after myocardial infarction

17:15 – 17:37 **Jean-Sébastien Silvestre** (Paris, FR)  
Cardiac myocytes and macrophage interaction

17:37 – 18:00 **Jürgen Schrader** (Düsseldorf)  
Imaging of inflammation

18:00 – 19:00 **Keynote Lecture**  
**Chairs: Bernhard Nieswandt (Würzburg)**

18:00 – 18:10 **Laudatio Georg Ertl** (Würzburg)

18:10 – 19:00 **Matthias Nahrendorf** (Boston, US)  
Cardioimmunology: The immune system in heart failure

19:00 – 21:00 **Networking & Poster Session I**  
**Poster judges:** Thorsten Bley, Peter Nordbeck, Gustavo Ramos, Constantin Lapa, Caroline Morbach, Constanze Bening

Friday, July 12, 2019

09:00 – 10:30 **Cancer and the heart**  
**Chairs: Andreas Buck (Würzburg), Herrmann Einsele (Würzburg)**

09:00 – 09:22 **Pietro Ameri** (Genova, IT)  
Heart failure and cancer – an unhappy liaison

09:22 – 09:45 **Rudolf de Boer** (Groningen, NL)  
Heart failure predisposes to cancer

09:45 – 10:07 **Denise Hilfiker-Kleiner** (Hannover)  
Cancer predisposes to heart failure

10:07 – 10:30 **Jeanette Schulz-Menger** (Berlin)  
Cardiac MRI for early detection of chemotherapy-induced cardiac damage

10:30 – 11:00 **Break**

11:00 – 12:30 **Cardiac regeneration – what’s new?**  
**Chairs: Stefanie Dimmeler (Frankfurt), Stefan Engelhardt (München)**

11:00 – 11:20 **Karl Toischer** (Göttingen)  
Re-inducing the cell cycle as therapeutic strategy

11:20 – 11:40 **Jörg Heineke** (Mannheim)  
Proliferation of neonatal cardiac myocytes

11:40 – 12:00 **Süleyman Ergün** (Würzburg)  
Vascular stem cells as a source of cardiac myocytes

Saturday, July 13, 2019

09:00 – 10:30 **Heart Failure and Chronic Kidney Disease**  
**Chairs: Christiane Angermann (Würzburg), Ulrich Laufs (Leipzig)**

09:00 – 09:22 **Christoph Wanner** (Würzburg)  
The clinical problem

09:22 – 09:45 **Timo Speer** (Homburg)  
How CKD affects lipids and vessels

09:45 – 10:07 **Rafael Kramann** (Aachen)  
Stem cells and kidney fibrosis

10:07 – 10:30 **Wolfgang Bauer** (Würzburg)  
Imaging fibrosis in the heart and kidney

10:30 – 11:00 **Break**

11:00 – 12:30 **Heart Failure and Diabetes**  
**Chairs: Johann Bauersachs (Hannover), Martin Faßnacht (Würzburg)**

11:00 – 11:22 **Michael Lehrke** (Aachen)  
The clinical problem

11:22 – 11:45 **Rabea Hinkel** (Göttingen)  
Diabetes is a microvascular problem

11:45 – 12:07 **Laura Schreiber** (Würzburg)  
Imaging microvascular flow and function

12:07 – 12:30 **Johannes Backs** (Heidelberg)  
Diabetes can harm and protect the myocardium

12:30 – 12:40 **Closing Remarks (Johannes Backs)**

12:00 – 12:20 **Stefanie Dimmeler** (Frankfurt)  
Clonal hematopoiesis as cause of heart failure?

12:20 – 12:40 **Thomas Eschenhagen** (Hamburg)  
Translational approaches with tissue engineering

12:40 – 13:30 **Break**

13:30 – 15:00 **Poster Session II**  
**Poster judges:** Clement Cochain, Jan Dudek, Petra Eder-Negrin, Ulrich Hofmann, Philip Tovote

15:00 – 16:30 **Hereditary Cardiomyopathies**  
**Chairs: Rainer Leyh (Würzburg), Heribert Schunkert (München)**

15:00 – 15:22 **Benjamin Meder** (Heidelberg)  
Genetics and clinical overview

15:22 – 15:45 **Christoph Maack** (Würzburg)  
Mitochondrial origin of arrhythmias in HCM

15:45 – 16:07 **Lucie Carrier** (Hamburg)  
Gene repair for HCM?

16:07 – 16:30 **Brenda Gerull** (Würzburg)  
Arrhythmogenic cardiomyopathy-mechanisms and beyond

16:30 – 17:00 **Break**

17:00 – 18:30 **High hopes – Why could these drugs work in heart failure?**  
**Chairs: Michael Decker (Würzburg), Kristina Lorenz (Würzburg)**

17:00 – 17:15 **Nikolaus Marx** (Aachen)  
SGLT2-inhibitors

17:15 – 17:30 **Viacheslav Nikolaev** (Hamburg)  
Soluble guanylate cyclase activators

17:30 – 17:45 **Katarina Spiranec** (Würzburg)  
Neprilysin inhibition for HFpEF – Mechanistic insights and perspectives

17:45 – 18:00 **Jean-Luc Balligand** (Brussels, BE)  
β3-Adrenergic receptor agonists

18:00 – 18:15 **Stefan Störk** (Würzburg)  
Myosin activators

18:15 – 18:30 **Sandra Ihne** (Würzburg)  
Novel drugs for cardiac amyloidosis

20:00 **Get together**