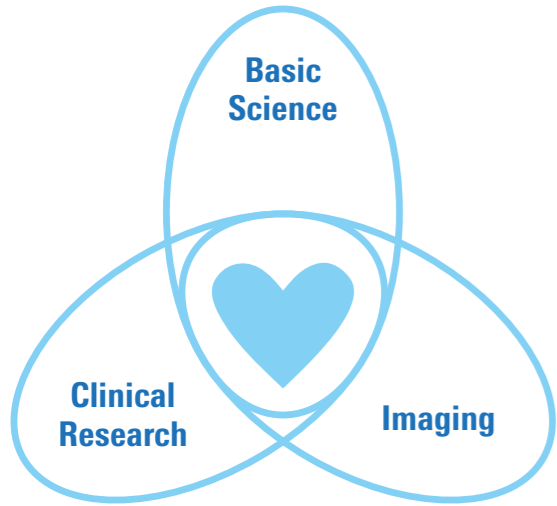


Structural Interfaces



Bilder: Gregor Schläger



Welcome



Patients with heart failure have often and various comorbidities. These comorbidities 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 may be coming from even more remote fields like physics and chemistry. A special emphasis lies on **attracting young scientists and clinicians** to present their work in two poster sessions, which will help to motivate them to engage a career in cardiovascular science.

We look forward to welcoming you in Würzburg!

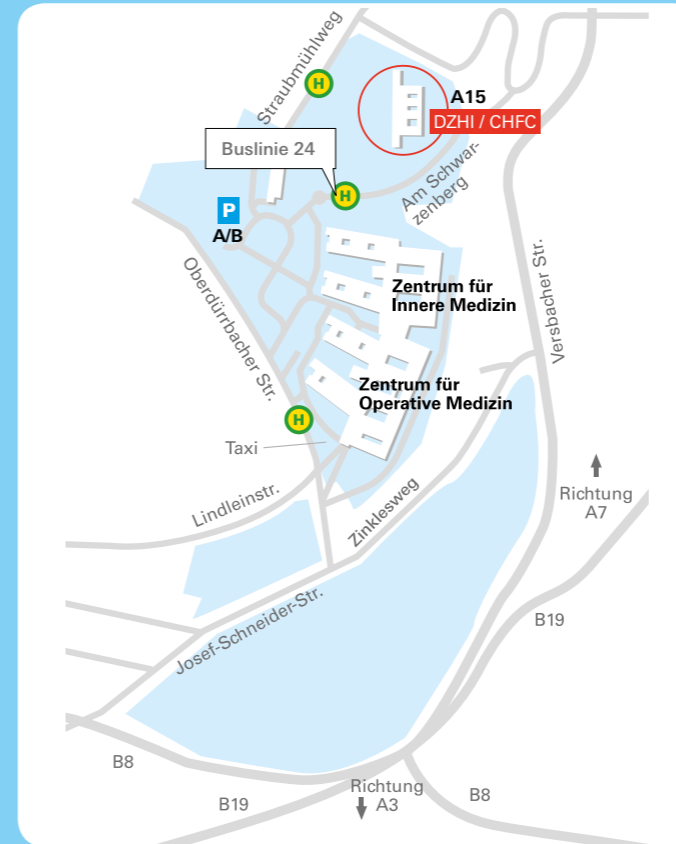
Christoph Maack & Johannes Backs
Meeting Co-Chairs

Contact



Comprehensive Heart Failure Center (CHFC)
Deutsches Zentrum für Herzinsuffizienz (DZHI)
Am Schwarzenberg 15 (A15)
D-97087 Würzburg
www.dzhi.de

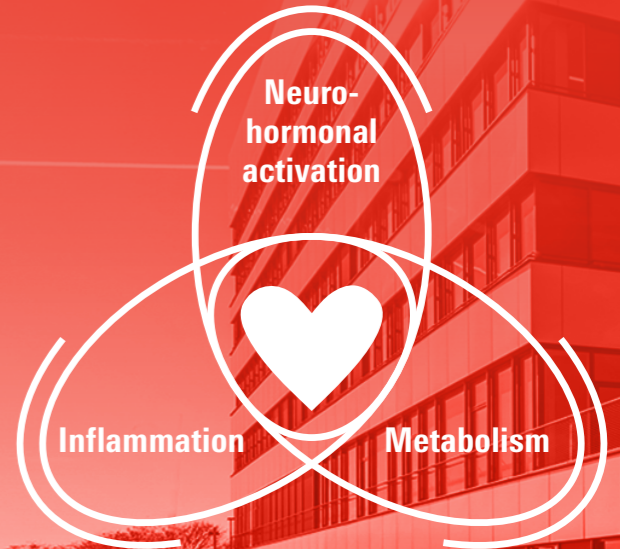
For further information please contact Annette Herrmann
Phone: +49 931 201-46482, Email: dzhi@ukw.de



Herausgeber: Deutsches Zentrum für Herzinsuffizienz Würzburg

DZHI/DZHK Joint Symposium Heart Failure Interfaces

Würzburg, July 11-13, 2019



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



Thursday, July 11, 2019

13:00 – 14:15 Registration, lunch snacks

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

16:00 – 16:30 Coffee break

16:30 – 18:00 **Inflammation: a target in heart failure?**
**Chairs: Alma Zerneck-Madsen (Würzburg),
Katrin Heinze (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 Sylvestre** (Paris, FR)
Cardiac myocytes and macrophage interaction

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

18:00 – 19:00 **Keynote Lecture**
Chair: Bernhard Nieswand (Würzburg)
Laudatio (10'): Georg Ertl (Würzburg)

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

19:00 – 21:00 **Dinner on site (catering) & 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: Herrmann Einsele (Würzburg),
Andreas Buck (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 Coffee break

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

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

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 Lunch break

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

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

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 Coffee break

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

Saturday, July 13, 2019

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

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 **Raphael 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 Coffee 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)**

12:45 Snacks, Departure