

# Joint meeting of DFG-funded CRC and graduate schools

## Importance and Highlights of Cardiac, Vascular and Kidney Research in Germany

09 - 10 October 2024

### What?

**Joint meeting of German DFG-funded CRC research consortia and their graduate schools focussing on cardiac, vascular and kidney research**

#### **09 October 2024:**

Graduate training day and hot topics from CRC consortia on cardiac, vascular and kidney research

#### **10 October 2024:**

Importance of collaborative cardiac, vascular and kidney research, with representatives from politics and the DFG, keynote scientific speakers and a podium discussion with participating CRC speakers

*Specific for PhD/MD students & postdocs: DFG-organized information session with possibility to reserve individual time slots with DFG representatives to discuss in an easy way all open questions in relation to DFG funding application on a one-to-one level.*

### Why?

- ✓ **Increase awareness of**
  - ✓ the high burden of cardiovascular and kidney diseases
  - ✓ the clinical importance of cardiac, vascular and kidney research
  - ✓ the importance of collaborative research consortia
  
- ✓ **Increase national cooperation and exchange of expertise on scientific, technological and training level**

### Where?

Kap Europa

Kongresshaus der Messe Frankfurt  
Osloer Str. 5

60327 Frankfurt am Main, Germany

### For whom?

Members of the participating collaborative research consortia and everyone interested in cardiac, vascular and kidney disease

## Wednesday, 09 October 2024: CRC & RTG convent

10.30 – 12.00	<b>(OKZIDENT)</b> <b>RTG Workshop</b> (for registered representatives of graduate schools & educational programs) <i>Aim: Discussion of concepts and challenges towards improved &amp; sustainable training</i> <i>Chairs: Prof. Dr. Peter Kohl, PD Dr Claudia Goettsch</i>
10.30 – 12.00	<b>(ORIENT)</b> <b>EUKISS European Kidney Summer School</b> (Satellite event of the graduate schools of Regensburg, Hamburg, Freiburg, Aachen) (Coordinators Prof. Dr. Tobias Huber, Prof. Dr. Mario Schiffer) – for registered participants
11.30 – 12.30	Registration (+ hanging up posters)
12.30 – 12.45	Opening of Meeting & Welcome <b>(MERIDIAN)</b>
12.45 – 13.45	<b>(MERIDIAN)</b> <b>As to diseases and AI, make a habit of two things — to help, or at least to do no harm.</b> ChatGPT and Large Language Models: Transforming Clinics, Research, and Everyday Life Prof. Dr. Michael Gotthardt (Max Delbrück Center & Charité - Universitätsmedizin Berlin)
13.45 – 14.15	<b>(MERIDIAN)</b> <b>Workshop: Opportunities and challenges for basic researchers in medicine - training and support in “medical scientist programs”: an example</b> <i>Chairs: Prof. Dr. Peter Kohl &amp; PD Dr Claudia Goettsch</i>
14.15 – 14.45	<b>DFG information session: “All you wanted to know about DFG applications”</b> - For all early and advanced scientists. With Q & A session. <i>DFG representatives: Dr. Sigrid Hanke, Dr. Wiebke Ginter</i> <i>Followed by additional individual consultation with DFG representatives. Booking &amp; location: See Page 3 “DFG information sessions” in program.</i>
14.45-15.15	Coffee break
15.15 – 16.35	<b>Hot topics from the organizing CRC consortia / two parallel sessions covering cross-sectional topics</b> (by CRC delegates) - 10 min flash talk + 10 min discussion each <u>Parallel session 1 (MERIDIAN)</u> <b>SFB1425</b> Prof. Dr. Peter Kohl ( <i>Heterocellular crosstalk in cardiac lesions</i> ) <b>SFB1525</b> Dr. Sarah Schäfer ( <i>Targeting Treg cells after myocardial infarction</i> ) <b>TRR267</b> Prof. Dr. Lars Mädgefessel ( <i>Long non-coding RNAs in vascular cell therapy</i> ) <b>TRR332</b> Prof. Dr. Oliver Soehnlein ( <i>New concepts of neutrophil maturation – a matter of location</i> )  <u>Parallel session 2 (MISTRAL)</u> <b>SFB1192</b> Dr. Nicola Tomas ( <i>Autoantibodies in proteinuric kidney disease</i> ) <b>SFB1453</b> Prof. Dr. Michael Köttgen ( <i>SLC25A48 is a human mitochondrial choline transporter</i> ) <b>TRR219</b> Prof. Dr. Rafael Kramann ( <i>Single cell and spatial genomics to dissect mechanisms of kidney and heart disease</i> ) <b>TRR374</b> Prof. Dr. Michael Wiesener ( <i>Pathomechanisms and development of interventional strategies against hereditary tubulointerstitial kidney diseases</i> )
16.35-16.50	Short break

**16.50 – 17.50** **Hot topics from the organizing CRC consortia / two parallel sessions covering cross-sectional topics** (by CRC delegates) - 10 min flash talk + 10 min discussion each  
*Parallel session 3 (MERIDIAN)*  
**SFB1039** Prof. Dr. Ingrid Fleming (*Signalling by fatty acid derivatives and sphingolipids in health and disease*)  
**SFB1531** Prof. Dr. Ralf Brandes (*Oxidative stress and the acute damage response*)  
**SFB1550** Prof. Dr. Johannes Backs (*HDAC signaling in cardiometabolic disease*)

*Parallel session 4 (MISTRAL)*  
**SFB1213** Prof. Dr. Soni Savai-Pullamsetti (*Molecular basis of right ventricular remodeling and reverse remodeling in pulmonary hypertension*)  
**SFB1366** Prof. Dr. Hellmut Augustin (*Vascular Control of Organ Function*)  
**SFB1470** Prof. Dr. Michael Gotthardt (*Unraveling and treating the Complexities of Heart Failure with HFpEF - Connecting Splicing, Sarcomere and Systems Biology*)

17.50 – 18.15 Refreshment break

**18.15 – 19.00** **Keynote lecture I**  
**Prof. Dr. Vera Regitz-Zagrosek** (*Institute of Gender in Medicine, Charité-Universitätsmedizin Berlin*) (**MERIDIAN**)  
Impact of sex and gender on ischemic heart disease

**19.00 – 21.30** **Poster session: Presentation of own research projects**  
**(first hour guided presentations in small groups/cross-sectional topics)**  
19.30-20.30: Guided presentations by all PhD/MD students & postdocs (in small groups on cross-sectional topics)  
With posters of concept & focus of each CRC / RTG  
With fingerfood & drinks (**FOYER**)

## Thursday, 10 October 2024: CRC convent

### (MERIDIAN)

<b>08.15 – 09.25</b>	<b>Joint research on cardiovascular and kidney medicine: importance &amp; challenges</b>
08.15 – 08.35	Welcome (Prof. Dr. Joachim Jankowski, Prof. Dr. Peter Kohl)
08.35 – 09.00	<b>Epidemiology and prevention in the field of cardiovascular and kidney medicine</b> Prof. Dr. Stefan Blankenberg ( <i>University Heart and Vascular Center Hamburg Eppendorf</i> )
09.00 – 09.25	<b>Environmental risk factors and cardiovascular and kidney diseases</b> Prof. Dr. Christoph Maack ( <i>Comprehensive Heart Failure Center CHFC, University Hospital Würzburg</i> )

09.25 – 10.15 *Networking (with coffee)*

<b>10.15 – 11.45</b>	<b>Cardiovascular and kidney medicine: Clinical relevance &amp; innovative research (25 min talk + 10 min discussion)</b>
10.15 – 10.50	<b>Keynote lecture II</b> <b>Prof. Dr. Marcello Tonelli</b> ( <i>Department of Medicine, Cumming School of Medicine, University of Calgary, Canada</i> ) Chronic kidney diseases: Clinical relevance & innovative research fields
10.50 – 11.25	<b>Keynote lecture III</b> <b>Prof. Dr. Peter Libby</b> ( <i>Division of Cardiovascular Medicine, Brigham and Women's Hospital, Boston, USA</i> ) The battle against cardiovascular diseases is joined but not yet won
11.25 – 11.45	<b>Panel discussion:</b> Clinical relevance and future of cardiac, vascular and kidney research (Moderator: Prof. Dr. Christoph Maack)

11.45 – 12.00 *Group picture*

12.00 – 13.00 *Lunch & networking (FOYER)*

<b>13.00 – 13.45</b>	<b>Keynote lecture IV: Revolutionizing methods in scientific research (30 min talk + 15 min discussion)</b> <b>Prof. Dr. Yamuna Krishnan</b> ( <i>Institute of Biophysical Dynamics, University of Chicago, USA</i> ) Intracellular Electrophysiology
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<b>13.45 – 14.05</b>	<b>Current trends in funding of coordinated research</b> Dr. Suzanne Zittartz-Weber ( <i>Sonderforschungsbereiche, DFG</i> )
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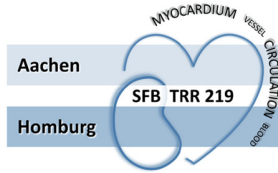
<b>14.05 – 14.35</b>	<b>The importance of collaborative research consortia</b> Prof. Dr. Martin Paul ( <i>Rector University Bochum</i> )
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<b>14.35 – 15.05</b>	<b>From science to clinic: success stories I (15 min flash talk + 15 min discussion)</b> Invention of the troponin assay: a paradigm shift in cardiac medicine Prof. Dr. Hugo Katus ( <i>Cardiovascular Medicine, University Hospital Heidelberg</i> )
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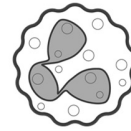
15.05 – 15.45 *Networking (with coffee)*

<b>15.45 – 16.45</b> 15.45 – 16.15	<b>From science to clinic &amp; entrepreneurship: success stories II</b> ( <i>15 min flash talk + 15 min discussion</i> ) Incretin-based therapy: Successes achieved and future expectations Prof. Dr. Michael Nauck ( <i>Diabetes, Endocrinology and Metabolism Section, Medical Department I, Hospital of the Ruhr-University, Bochum</i> )
16.15 – 16.45	Bridging Bench and Business: The Angiolutions Journey from Basic Science to Startup Dr. med. Isabel N. Schellinger ( <i>Co-Founder &amp; CEO of Angiolutions® GmbH</i> )
<b>16.45 – 17.45</b>	<b>Podium discussion with all CRC speakers:</b> <i>“Challenges and action points for (German) medical research”</i> (Moderator: Prof. Dr. Martin Paul)
<b>17:45 – 18:00</b>	Conclusion of Meeting

## Organizing Consortia



**Cardiovascular  
ncRNA**  
TRR 267



origin  
fate &  
function  
TRR332



**SFB 1039**

KRANKHEITSRELEVANTE SIGNALTRANSDUKTION  
DURCH FETTSÄUREDERIVATE UND SPHINGOLIPIDE



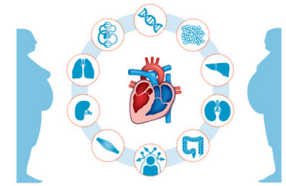
**SFB 1192**  
Immune-Mediated  
Glomerular Diseases



SFB1425



SFB1453



SFB1470



SFB1525



**SFB 1531**  
Damage control by the  
stroma-vascular compartment



## Other Participating Consortia & Institutes



TRR205



CRC1340

SFB 1403  
**CELL DEATH**  
IN IMMUNITY, INFLAMMATION AND DISEASE



**SFB 1454**  
Metaflammation  
and Cellular  
Programming

**dfki**  
ai

## With financial support of

**DFG** Deutsche  
Forschungsgemeinschaft



## Organizing Consortia

**SFB/TRR219 – Speaker: Prof. Dr. Joachim Jankowski**

RWTH Aachen & Universität des Saarlandes

**SFB/TRR267 – Speaker: Prof. Dr. Stefan Engelhardt**

TU München & Goethe-Universität Frankfurt am Main

**SFB/TRR332 – Speaker: Prof. Dr. Oliver Soehnlein**

Universität Münster, LMU München & Universität Duisburg-Essen

**SFB374 – Speaker: Prof. Dr. Richard Warth**

Universität Regensburg & Friedrich-Alexander-Universität Erlangen-Nürnberg

**SFB1039 – Speaker: Prof. Dr. Josef M. Pfeilschifter**

Goethe-Universität Frankfurt am Main

**SFB1192 – Speaker: Prof. Dr. Tobias B. Huber**

Universität Hamburg

**SFB1213 – Speaker: Prof. Dr. Nobert Weißmann**

Universität Giessen

**SFB1366 – Speaker: Prof. Dr. Hellmut G. Augustin**

Ruprecht-Karls-Universität Heidelberg

**SFB1425 – Speaker: Prof. Dr. Peter Kohl**

Albert-Ludwigs-Universität Freiburg

**SFB1453 – Speaker: Prof. Dr. Anna Köttgen**

Albert-Ludwigs-Universität Freiburg

**SFB1470 – Speaker: Prof. Dr. Michael Gotthardt**

Charité - Universitätsmedizin Berlin

**SFB1525 – Speaker: Prof. Dr. Stefan Frantz**

Universität Würzburg

**SFB1531 – Speaker: Prof. Dr. Ralf Brandes**

Goethe-Universität Frankfurt am Main

**SFB1550 – Speaker: Prof. Dr. Johannes Backs**

Ruprecht-Karls-Universität Heidelberg