

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	(OKZIDENT) RTG Workshop (for representatives of graduate schools & educational programs) Aim: Discussion of concepts and challenges towards improved & sustainable training
10.30 – 12.00	(ORIENT) EUKISS European Kidney Summer School (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 (MERIDIAN)
12.45 – 13.45	(MERIDIAN) As to diseases and AI, make a habit of two things — to help, or at least to do no harm. 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	(MISTRAL) Workshop: Opportunities and challenges for basic researchers in medicine: training and support in “medical scientist programs”; with PhD students and postdocs Chairs: Prof. Dr. Peter Kohl, PD Dr Claudia Goettsch & graduate school/educational program speakers
14.15 – 14.45	DFG information session: “All you wanted to know about DFG applications” - For all early and advanced scientists. With Q & A session. DFG representatives: Dr. Sigrid Hanke, Dr. Wiebke Ginter Followed by additional individual consultation with DFG representatives. Booking & location: See Page 3 “DFG information sessions” in program.
14.45-15.15	Coffee break
15.15 – 16.35	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 <u>Parallel session 1 (MERIDIAN)</u> SFB1425 Prof. Dr. Peter Kohl (<i>Heterocellular crosstalk in cardiac lesions</i>) SFB1525 Dr. Sarah Schäfer (<i>Targeting Treg cells after myocardial infarction</i>) TRR267 Prof. Dr. Lars Mädgefessel (<i>Long non-coding RNAs in vascular cell therapy</i>) TRR332 Prof. Dr. Oliver Soehnlein (<i>New concepts of neutrophil maturation – a matter of location</i>) <u>Parallel session 2 (MISTRAL)</u> SFB1192 Dr. Nicola Tomas (<i>Autoantibodies in proteinuric kidney disease</i>) SFB1453 Prof. Dr. Michael Köttgen (<i>SLC25A48 is a human mitochondrial choline transporter</i>) TRR219 Prof. Dr. Rafael Kramann (<i>Single cell and spatial genomics to dissect mechanisms of kidney and heart disease</i>) TRR374 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)

08.15 – 09.45	Joint research on cardiovascular and kidney medicine: importance & challenges
08.15 – 08.35	Welcome (Prof. Dr. Joachim Jankowski, Prof. Dr. Peter Kohl)
08.35 – 08.55	Political representative of Hessen
08.55 – 09.20	Epidemiology and prevention in the field of cardiovascular and kidney medicine Prof. Dr. Stefan Blankenberg (<i>University Heart and Vascular Center Hamburg Eppendorf</i>)
09.20 – 09.45	Environmental risk factors and cardiovascular and kidney diseases Prof. Dr. Christoph Maack (<i>Comprehensive Heart Failure Center CHFC, University Hospital Würzburg</i>)

09.45 – 10.30 Coffee break

10.30 – 12.00	Cardiovascular and kidney medicine: Clinical relevance & innovative research (25 min talk + 10 min discussion)
10.30 – 11.05	Keynote lecture II Prof. Dr. Marcello Tonelli (<i>Department of Medicine, Cumming School of Medicine, University of Calgary, Canada</i>) Chronic kidney diseases: Clinical relevance & innovative research fields
11.05 – 11.40	Keynote lecture III Prof. Dr. Peter Libby (<i>Division of Cardiovascular Medicine, Brigham and Women's Hospital, Boston, USA</i>) The battle against cardiovascular diseases is joined but not yet won
11.40 – 12.00	Panel discussion: Clinical relevance and future of cardiac, vascular and kidney research

12.00 – 12.15 Group picture

12.15 – 13.15 Lunch & networking (FOYER)

13.15 – 14.00	Keynote lecture IV: Revolutionizing methods in scientific research (30 min talk + 15 min discussion) Prof. Dr. Yamuna Krishnan (<i>Institute of Biophysical Dynamics, University of Chicago, USA</i>) Intracellular Electrophysiology
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14.00 – 14.20 **Current trends in funding of coordinated research**
Dr. Suzanne Zittartz-Weber (*Sonderforschungsbereiche, DFG*)

14.20 – 14.50 **The importance of collaborative research consortia**
Prof. Dr. Martin Paul (*Rector University Bochum*)

14.50 – 15.20 **From science to clinic: success stories I (15 min flash talk + 15 min discussion)**
Invention of the troponin assay: a paradigm shift in cardiac medicine
Prof. Dr. Hugo Katus (*Cardiovascular Medicine, University Hospital Heidelberg*)

15.20 – 15.45 Coffee break

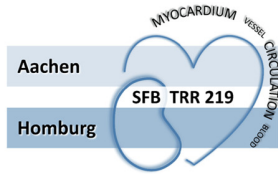
15.45 – 16.45	From science to clinic & entrepreneurship: success stories II (15 min flash talk + 15 min discussion)
15.45 – 16.15	Incretin-based therapy: Successes achieved and future expectations Prof. Dr. Michael Nauck (<i>Diabetes, Endocrinology and Metabolism Section, Medical Department I, Hospital 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 (*Co-Founder & CEO of Angiolutions® GmbH*)

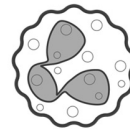
16.45 – 17.45 **Podium discussion with all CRC speakers:** “Challenges and action points for (German) medical research”

17:45 – 18:00 Conclusion of Meeting

Organizing Consortia



**Cardiovascular
ncRNA**
TRR 267



origin
fate &
function
TRR332



SFB 1039

KRANKHEITSRELEVANTE SIGNALTRANSDUKTION
DURCH FETTSÄUREDERIVATE UND SPHINGOLIPIDE



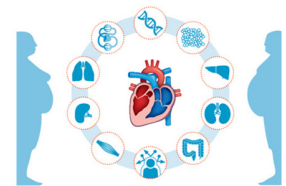
SFB 1192
Immune-Mediated
Glomerular Diseases



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

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DFG Deutsche
Forschungsgemeinschaft

