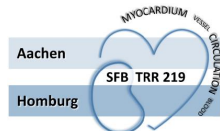
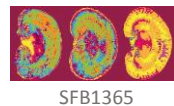


# Joint meeting of German SFB research consortia & graduate schools focusing on kidney, heart and vessels



***Tackling kidney and cardiovascular diseases:  
with joint forces towards increased insights  
into underlying pathologies***

**05 - 06 May 2022**

## Tackling kidney and cardiovascular diseases: with joint forces towards increased insights into underlying pathologies

## Notes

*“Cardiovascular disease (CVD) is the leading cause of morbidity and mortality worldwide, accounting for approximately one third of deaths globally. Also chronic kidney disease (CKD), with a mean worldwide prevalence of 13%, imposes a massive health burden on our society. CVD accounts for around half of deaths in advanced CKD.*

*Multiple German SFB research consortia are working hard with their teams to unravel the pathological mechanisms underlying CKD and CVD, each with their own specific focus. They build on and expand technological and biomedical innovations, aiming to drive research beyond current borders. Furthermore, PhD and medical students are being trained to become the next generation of highly-qualified, innovative and critical researchers, clinicians and clinician scientists.*

*We believe that together, we can reach more. By exchanging expertise on scientific, technological and training level, we can jointly move forward in better understanding diseases and developing diagnostics and therapies. Together, we can create the synergy required to tackle kidney and cardiovascular diseases.”*



A handwritten signature in black ink, appearing to read 'J. Jankowski'. The signature is fluid and cursive, with a large initial 'J'.

Univ.-Prof. Dr. rer. nat. Joachim Jankowski  
Speaker SFB/TRR219

## Concept

Joint meeting of German SFB research consortia and their graduate schools focusing on kidney and heart, towards increased national cooperation and exchange of expertise on scientific, technological and training level.



## Meeting venue

Lufthansa Seeheim Conference Hotel  
Lufthansaring 1  
64342 Seeheim-Jugenheim, Germany  
+49 69 696 13 1000  
info@lufthansa-seeheim.de

## Participating consortia

- SFB894 – Speaker: Prof. Dr. Veit Flockerzi**  
Universität des Saarlandes
- SFB1002 – Speaker: Prof. Dr. Gerd Hasenfuß**  
Georg-August-Universität Göttingen
- SFB1039 – Speaker: Prof. Dr. Josef M. Pfeilschifter**  
Goethe-Universität Frankfurt am Main
- SFB1116 – Speaker: Prof. Dr. Jens Fischer**  
Heine-Universität Düsseldorf
- SFB1123 – Speaker: Prof. Dr. Christian Weber**  
Ludwig-Maximilians-Universität München
- SFB1192 – Speaker: Prof. Dr. Ulf Panzer & Prof. Dr. Tobias B. Huber**  
Universität Hamburg
- SFB1350 – Speaker: Prof. Dr. Richard Warth**  
Universität Regensburg
- SFB1365 – Speaker: Prof. Dr. Pontus B. Persson**  
Charité - Universitätsmedizin Berlin
- SFB1366 – Speaker: Prof. Dr. Hellmut G. Augustin**  
Ruprecht-Karls-Universität Heidelberg
- SFB1453 – Speaker: Prof. Dr. Anna Köttgen**  
Albert-Ludwigs-Universität Freiburg
- SFB1525 – Speaker: Prof. Dr. Stefan Frantz**  
Universität Würzburg
- SFB/TRR219 – Speaker: Prof. Dr. Joachim Jankowski**  
RWTH Aachen & Universität des Saarlandes
- SFB/TRR259 – Speaker: Prof. Dr. Georg Nickenig**  
Rheinische Friedrich-Wilhelms-Universität Bonn, Universität zu Köln & Heinrich-Heine-Universität Düsseldorf
- SFB/TRR267 – Speaker: Prof. Dr. Stefan Engelhardt**  
TU München & Goethe-Universität Frankfurt am Main

## Joint SFB Program

Thursday, 05 May 2022 - Joint meeting of SFB research consortia

08.00 - 09.00 Check in and coffee

### 09.00 - 09.15 Welcome

Living Room Prof. Dr. Joachim Jankowski, Speaker  
SFB/TRR219

*Chair: Prof. Dr. Joachim Jankowski*

### 09.15 - 09.30 Epidemiology of CKD & CVD

Living Room Prof. Dr. Marcus Dörr  
(President of the German Society for Epidemiology)

### 09.30 - 09.45 Importance of kidney research

Living Room Prof. Dr. Hermann-Joseph Pavenstädt  
(President of the German Society of Nephrology)

### 09.45 - 11.30 SFB speed-dating I: Kidney & Cardiorenal

Living Room Presentation by each participating consortium:  
speed-dating (speaker) and rapid fire talk (PI)

*Chair: PD. Dr. Heidi Noels*

09.45 SFB1192 - Prof. Dr. Ulf Panzer

10.00 SFB1350 - Prof. Dr. Richard Warth

10.15 SFB1365 - Prof. Dr. Pontus B. Persson

10.30 SFB1453 - Prof. Dr. Anna Köttgen

10.45 SFB/TRR219 - Prof. Dr. Joachim Jankowski

11.00 SFB894 - Prof. Dr. Veit Flockerzi

11.15 SFB1039 - Prof. Dr. Josef M. Pfeilschifter

11.30 – 12.30 Lunch (in Restaurant)  
Preparation of the Poster session (hang-up Posters)

### 12.30 – 13.30 Joint SFB Poster Session & Networking

Seminar Rooms 2015 + 2020

## Organizers / Contact

### SFB/TRR219 (Aachen-Homburg)

[www.sfb-trr219.de](http://www.sfb-trr219.de)

### University Hospital RWTH Aachen

Institute for Molecular Cardiovascular Research (IMCAR)

Prof. Dr. Joachim Jankowski – Speaker of SFB/TRR219

PD Dr. Heidi Noels – Program Manager of SFB/TRR219

### Medical Clinic I

PD Dr. Claudia Goettsch – Coordinator of the SFB/TRR219  
graduate school

### Contact

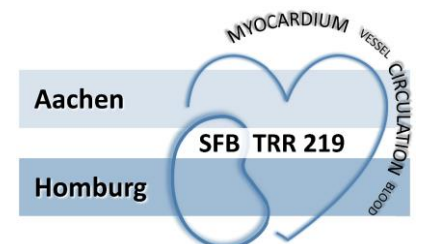
Sandra Knarren

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**UNIKLINIK**  
**RWTHAACHEN**

Institute for Molecular  
Cardiovascular Research (IMCAR)





## Room information / Time schedule

### Thursday

**08.00 - 09.00**  
Check in and coffee

**09.00 – 11.30** (Living Room)  

- Welcome
- Epidemiology of CKD & CVD
- Importance of kidney research
- SFB speed-dating I: Kidney & Cardiorenal

**11.30 – 12.30** (Restaurant)  
Lunch

**12.30 – 13.30** (Seminar Rooms 2015+ 2020)  
Joint SFB Poster Session

**13.30 - 16.00** (Living Room)  

- Keynote Lecture**
  - Dr. Brandenburg (BMBF)
- Importance of cardiovascular research
- SFB speed-dating II: Heart & Vasculature

**16.00 - 16.45**  
Coffee break

**16.45 - 17.45** (Living Room)  

- Keynote lectures**
  - Dr. Reinhardt (Bundesärztekammer)
  - Dr. Zittartz-Weber (DFG)

**17.45 – 18.00**  
Group picture

**18.00 - 19.30** („Library“)  
SFB speakers meeting

**19.30 - 22.00** (Bonhoeffer 2+3)  
Dinner & Networking

### Friday

**08.30 - 08.45** (Living Room)  
Welcome & Introduction

**08.45 - 10.45**  
(Seminar Room 2015)  

- External PhD students and SFB/TRR219 delegates: Exchange & discussion

(Living Room)  

- External and SFB/TRR219 PI: IRTG speed-dating: focus on training

(Seminar Room 2020)  

- SFB/TRR219 only** (PhD/MD students, Postdocs):
- Networking and information exchange within the SFB/TRR219
- Lecture: Isabelle Jordans (BNeV)

**10.45 - 11.15**  
Coffee break

**11.15 - 12.00** (Living Room)  
Presentation of discussion outcome from PhD representatives exchange

**12.00 - 12.30** (Living Room)  
General discussion & Goodbye

**12.30 - 13.30** (Restaurant)  
Lunch

**SFB/TRR219 only** (Living Room)

**13.30 - 16.30**  
SFB/TRR219 Annual Meeting 2022

### 13.30 - 14.00 Keynote lecture

Living Room *Chair: Prof. Dr. Joachim Jankowski*  
Dr. Jens Brandenburg (State secretary BMBF)

*Chair: PD. Dr. Claudia Goettsch*

### 14.00 - 14.15 Importance of cardiovascular research

Living Room Prof. Dr. Stephan Baldus  
(President of the German Society of Cardiology)

### 14.15 - 16.00 SFB speed-dating II: Heart & Vasculature

Living Room

14.15 SFB/TRR259 - Prof. Dr. Georg Nickenig  
 14.30 SFB1123 - Prof. Dr. Christian Weber  
 14.45 SFB1366 - Prof. Dr. Hellmut G. Augustin  
 15.00 SFB/TRR267 - Prof. Dr. Lars Mägdefessel  
 15.15 SFB1002 - Prof. Dr. Gerd Hasenfuß  
 15.30 SFB1116 - Prof. Dr. Jens Fischer  
 15.45 SFB1525 - Prof. Dr. Stefan Frantz

16.00 - 16.45 Coffee break

### 16.45 - 17.45 Keynote lectures

Living Room *Chair: Prof. Dr. Joachim Jankowski*  
 16.45 Dr. Klaus Reinhardt (President 'Bundesärztekammer')  
 17.15 Dr. Suzanne Zittartz-Weber (DFG)

### 17.45 - 18.00 Group picture

### 18.00 - 19.30 SFB speakers meeting

„Library“

19.30 - 22.00 Dinner & Networking  
Bonhoeffer 2+3

## Friday, 06 May 2022 - Joint meeting of SFB research consortia

### 08.30 - 08.45 Welcome & introduction

Living Room PD Dr. Claudia Goettsch,  
Coordinator of the SFB/TRR219 IRTG

### 08.45 - 10.45 Parallel Sessions

#### Session A. External PhD students and SFB/TRR219 delegates:

Seminar Room **Exchange & discussion of PhDs:**  
2015 *Towards common national graduate school activities?*  
*Chair: Fabian Peisker*

#### Session B. External and SFB/TRR219 PI

Living Room **IRTG speed-dating: focus on training**  
IRTG concept presentations by IRTG coordinators  
*Chair: PD Dr. Claudia Goettsch*

08.50 SFB1002 - Prof. Dr. Doerthe Katschinski  
*Internationales Graduiertenkolleg IRTG 1816*

09.00 SFB1039 - Prof. Dr. Dagmar Meyer zu Heringdorf

09.10 SFB1116 - Prof. Dr. Martina Krüger

09.20 SFB1123 - Prof. Dr. Sabine Steffens

09.30 SFB1192 - Prof. Dr. Ulf Panzer

09.40 SFB1350 - Dr. Michaela Kritzenberger

09.50 SFB1366 - Prof. Dr. Jörg Heineke

10.00 SFB1453 - Prof. Dr. Michael Köttgen

10.10 SFB/TRR219 - PD Dr. Claudia Goettsch

10.20 SFB/TRR259 - PD Dr. Felix Jansen

#### Session C. **SFB/TRR219 only** (PhD/MD students, Postdocs)

Seminar Room Networking and information exchange within the  
2020 SFB/TRR219  
*Chair: Juliane Herrmann & Barbara Klinkhammer*

10.00 **Learning from a patient's perspective**  
Isabelle Jordans  
(President of „Bundesverband Niere e.V.”)

## For help or questions...

The Orga Team can be recognised by a  
**yellow colored name tag.**

Please don't hesitate  
to get in touch with us!



Mareike Staudt



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Sandra Knarren



**Sandra Knarren**  
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Mobile: 0163-7714356

## Where to find...

### Main Conference Room = „Living Room“

After entering the Hotel, please turn left.

### Seminar Rooms (2015 + 2020)

Located two floors below the Living Room.  
Accessible via the elevator or staircase.

### Restaurant „seeheim's eat & meet“

Stairs down, right side

### Bibliothek / Library

Next to the reception, a bar called „Vinothek“ is located.

Here you can also find the „library“

### Abendveranstaltung / Dinner

#### „Bonhoeffer Saal“

Stairs down, left side  
(Section 2+3)

10.45 - 11.15 Coffee break – room check-out latest by 11:00h

**11.15 - 12.00 Presentation of discussion outcome from PhD  
Living Room representatives exchange**

12.00 - 12.30 General discussion & Goodbye to other SFBs

### SFB/TRR219 only

#### SFB/TRR219 Annual Meeting 2022

Living Room

12.30 - 13.30 Lunch (in restaurant)

**13.30 - 14.30** Guided SFB/TRR219 Poster sessions with oral presentations in small groups

**14:30 – 15:30** Poster discussion

15.30 - 16.00 Coffee break

16.00 - 16.30 Goodbye

# Poster list

**Group 1** - Chairs: *Stefan Wagenpfeil, Michael Lehrke*

**Sai Sahana Sundararaman** - "Endothelial CaSR is involved in the induction of atherosclerosis by promoting cell adhesion and local inflammation"

**Nadine Kaesler** - "Altered Vitamin K Biodistribution and Metabolism in Experimental and Human Chronic Kidney Disease"

**Jonas Heyn** - "Mitochondria-associated membrane in vascular calcification"

**Christian Hasberg** - "Structure-function analysis of the plasma protein fetuin-A"

**Setareh Orth-Alampour** - "A novel adrenal peptide that prevents vascular calcification by inhibiting osteogenic transdifferentiation"

**Tobias Henning** - "Impact of uremic toxins on endothelial cell phenotype"

**Group 2** - Chairs: *Vera Jankowski, Felix Mahfoud*

**Camilla Winkler** - "Fetuin-A Post translational Modification and Mineral Binding"

**Sonja Djudjaj** - "Role of CD74 in renal fibrosis"

**Julia Möllmann** - "Empagliflozin improves cardiac function in a model of adenine-induced uremic cardiomyopathy"

**Nicolas Hense** - "Dysregulation of the endomembrane homeostasis triggers vascular smooth muscle cell phenotype switching"

**Federica Cascone** - "Peptidomics to unravel mediators of the Gut-Kidney Crosstalk"

**Group 3** - Chairs: *Willi Jahnhen-Dechent, Timo Speer*

**Rosanna Huchzermeier** - "The role of Aryl Hydrocarbon Receptor in lipid metabolism and atherosclerosis"

**Sofia de la Puente-Secades** - "VIF: A new Chromogranin A derived peptidic inhibitor of vascular calcification" / „Vitamin K deficiency in CKD beyond the diet: expression of vitamin K converting enzymes"

**Anne Babler** - "Dissecting Mechanisms of Vascular Calcification in CKD Using Single Cell Genomics"

**Dalia Alansary, Maryam Amini, Priska Jost** - "Purinergic signaling as a regulator of IL-1a mediated inflammation in CKD-associated cardiovascular diseases"

**Julia Wollenhaupt** - "Analyzing early effects of CKD on the heart: towards a mouse model?"

**Group 4** - Chairs: *Joachim Jankowski, Stefan Schunk*

**Linsey Peters** - "Micromanaging atherosclerosis: Myeloid-specific microRNA-26b attenuates atherosclerosis development"

**Constance Baaten** - "Impairment of platelet function in Chronic Kidney Disease"

**Svenja Adam** - "Kinase activity profiling to identify novel CVD targets."

**Saskia von Stillfried** - "Autopsy cohorts for cardiovascular research"

**Eva Harlacher** - "Increased levels of a mycophenolic acid metabolite in CKD patients negatively affects cardiomyocyte health"

**Group 5** - Chairs: *Emiel van der Vorst, Danilo Fliser*

**Maurice Halder & Fabian Peisker** - "Mapping transcriptomic changes of the cardiovascular niche in pressure overload induced remodeling"

**Rosanna Stolberg** - "From CKD to atherosclerosis: A journey accompanied by miR-26b"

**Melina Stein** - "The role of sortilin in kidney fibrosis"

**Christian Hemmers** - "Chemokine CCL9 Is Upregulated Early in Chronic Kidney Disease and Counteracts Kidney Inflammation and Fibrosis"

**Kaiseng Quach** - "The protective effect of the recently identified peptide "Vasoconstriction-Inhibiting Factor" (VIF) on cardiomyocytes' survival under hypoxic conditions"

**Group 6** - Chairs: *Florian Kahles, Christian Werner*

**Andrea Bonnin Márquez** - "Guanidinylation of ApoA-I alters its functionality"

**Erik Merckelbach** - "Investigating the calcification mechanisms of Cementoblasts"

**Martin Berger** - "The role of complement C3 and C5 activation on clot properties"

**Sonja Vondenhoff** - "Investigating CKD-induced changes in the endothelium and their implications for hemostasis"

**Vytautas Kucikas** - "Two-photon microscopy in tissue engineered heart valve maturation process"

**Dickson Wong** - "PDGF in CKD conditioning cardiomyopathy"

**Group 7** - Chairs: *Heidi Noels, Barbara Niemeyer*

**Sanne Maas** - "Identification of a PRDM1-regulated T cell network driving plaque inflammation in human and mouse atherosclerosis"

**Dustin Mikolajetz** - "Identification of enzymes involved in CBF and VIF synthesis and the effects of post-translational modifications (PTM) on their activity"

**Felix Buder** - "Role of renal sympathetic nerve activation in CKD-associated cardiovascular disease and the development of malignant arrhythmias"

**Michaela Lellig** - "Influence of pyridoxal-5'-phosphate (PLP) on blood pressure considering the renin-angiotensin-aldosterone system (RAAS)"

**Anna Müller** - "The Role of Senescence in Cardiovascular Disease"

**Shruti Bhargava** - "Mediators of the calcification paradox"

**Group 8** - Chairs: *Claudia Göttisch, Michael Böhm*

**Burcu Yesilyurt** - "Role of PDGF in aortic calcification"

**Tim Schulz** - "Cardiac phenotyping in a long term experimental mouse model"

**Juliane Hermann** - "Novel analysis for Pathology - 3D image modeling using MALDI Imaging"

**Aaron Morgan** - "Miniaturized Device for Assessing Calcification Propensity of Biohybrid Implants Using Simulated Body Fluid Calcification Medium"

**Giulia Ilaria Bagarolo** - "Plasma peptidomics to identify Cardiorenal Syndrome (CRS) biomarkers"

**Barbara Klinkhammer** - "Activation of PDGFRalpha in renal mesenchymal cells"