

AACHEN CONFERENCE

ON CARDIO-RENAL DISEASES
AND DIABETES



Topic 2025:

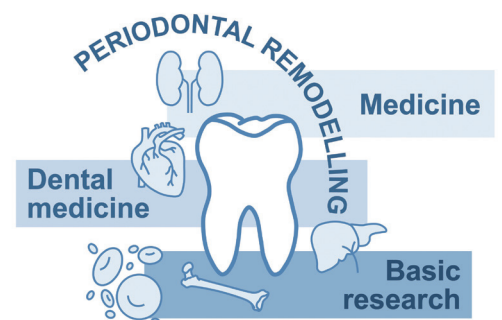
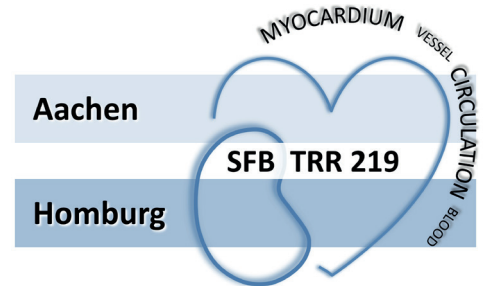
Translational research in cardio-renal metabolic diseases and risks: Molecular mechanisms and clinical implications

DFG-Sonderforschungsbereich
Transregio 219 und SFB 1739

2025

13th – 15th

November



Venue:

Super C der RWTH
Templergraben 57, 52062 Aachen

Dear colleagues,

We are pleased to invite you to our annual meeting **“Aachen Conference on Cardio-Renal Diseases and Diabetes”**.

This year's conference will focus on the theme:

“Translational research in cardio-renal metabolic diseases and risks: Molecular mechanisms and clinical implications.”

Over the course of three days, we will explore the latest scientific and clinical developments with renowned national and international experts.

- **Thursday** and **Friday** will be dedicated to in-depth discussions on current research and its clinical relevance in cardiovascular, renal, and metabolic diseases as well as their impact on periodontal diseases.
- **Saturday** will feature a clinical education session, including case discussions and practical updates tailored for healthcare professionals.

Participants will be eligible to earn up to **16 CME credits**.

We are pleased to share this year's program with you and warmly invite you to join us in Aachen this November for an engaging exchange, valuable insights, and the shared goal of advancing caring for patients with cardio-renal and metabolic diseases.

We look forward to seeing you there,



Univ.-Prof. Dr. N. Marx
Director, Department of Internal Medicine I



Univ.-Prof. Dr. J. Jankowski
Speaker of the SFB TRR 219
Director, Institut for
Molecular Cardiovascular Research

Thursday, 13th November 2025

13.00-13.30 Registration and welcome coffee

13.30-14.00 **Salutation & Opening ceremony**
N. Marx, Aachen
J. Windolf, Medical Director, Aachen

14.00-15.30 **New perspectives in Cardiovascular Diseases**
Chair: K. Marx-Schütt, Aachen

New players in fibrosis: kidney as a new target
R. Kramann, Aachen

Inflammation and thrombosis: new links?
S. Massberg, München

DIGIT-HF: New insight and perspectives in heart failure
J. Bauersachs, Hannover

15.30-16.00 Coffee break

16.00-17.30 **Cardio-renal and dental links**
Chair: J. Jankowski, Aachen / M. Wolf, Aachen

Vascular (dsy)function in the failing heart
P. Kleinbongard, Essen

Impact of cardio-renal diseases on oral periodontal remodeling and oral health
T. Dietrich, Birmingham

Vascular calcification in cardio-renal diseases
C. Götsch, Dresden / Aachen

17.30-18.00 Coffee break

18.00-18.45 **Special Lecture**
Genetic History – how ancient DNA is revolutionising our view on the human past.
S. Schiffels, Leipzig

18.45 End of meeting day

Friday, 14th November 2025

- 8.45-9.00 Registration
- 9.00-10.30 **New aspects in CVD: liver and aging**
Chair: D. Müller-Wieland, Aachen
**Fatty liver disease (MASLD/MASH) and CV risk:
Role of lipid accumulation and hepatokines**
N. Stefan, Tübingen
**Cardiovascular risk reduction in the elderly:
Where do we stand in 2025?**
M. Lettino, Monza
- 10.30-11.00 Coffee break
- 11.00-13.15 **Keynote Lectures**
Chair: N. Marx, Aachen
**Chronic kidney disease and CVD: Mechanisms and novel
treatment options**
P. H. Groop, Helsinki
Anti-obesity drugs as emerging treatment options in CVD
M. Lincoff, Cleveland
**Weight lowering therapies for cardio-renal health
and beyond**
J. Deanfield, London
- 13.15-14.15 Lunch break
- 14.15-15.55 **Cardio-renal and peridontal crosstalk**
Chair: H. Noels, Aachen
**Decoding periodontal–liver crosstalk:
Impact on alveolar bone remodelling**
M. Schneider, Dresden / S. Wolfart, Aachen
**Trained immunity at the crossroads of hyperlipidemia
and periodontitis**
U. Schulze-Späte, Jena / H. Noels, Aachen
**Dissecting the periodontal–immune axis in force-driven
tissue remodelling using a dynamic 3D in vitro model**
J. Jansen, Aachen / H. Fischer, Aachen
**Discovery of novel regulators in periodontal remodelling
and systemic disease**
M. Wolf, Aachen / J. Jankowski, Aachen
- 15.55-16.15 Coffee break
- 16.15-18.15 **POSTER SESSION: SFB/TRR219, iCARE4CVD, and other
projects**
Chair: E. Van der Vorst, Aachen / C. Götsch, Dresden /
F. Kahles, Aachen
- 18.15 End of meeting day

Saturday, 15th November 2025

Ärztliche Fortbildung: Aktuelle klinische Aspekte

Vorsitz: N. Marx, Aachen

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|--------------|---|
| 9.00-9.30 | Registrierung |
| 9.30-10.00 | Neue Studien zur Impfung bei Diabetes sowie kardio-renalen Erkrankungen
D. Müller-Wieland, Aachen |
| 10.00-10.30 | Herzinsuffizienz: Was ist neu und was ist wann zu tun?
K. Marx-Schütt, Aachen |
| 10.30-11.00 | Kaffeepause und Industrieausstellung |
| 11.00-11.30 | Neue Inkretin-basierte Therapiestrategien bei Adipositas und Diabetes
F. Kahles, Aachen |
| 11.30-12.00 | Lipidtherapie:
Welchen Patienten wann und wie behandeln?
S. Kweider, Aachen |
| 12.00-12.30 | Kaffeepause und Industrieausstellung |
| 12.30-13.00 | MASFLD und MASH: neue Targets zur Reduktion des kardiovaskulären Risikos?
N. Stefan, Tübingen |
| 13.30 -14.00 | COPD: Praktische Empfehlungen zur Therapie und neue Ansätze
J. Spießhöfer, Aachen |
| 14.00-14.30 | Verabschiedung sowie weitere Diskussion beim Imbiss |

Speakers

Prof. Johann **Bauersachs**, Hannover Medical School, Clinic for Cardiology and Angiology

Prof. John **Deanfield**, University College London (UCL), London, UK, Institute of Cardiovascular Science

Prof. Thomas **Dietrich**, University of Birmingham's Institute of Clinical Sciences, UK, Oral Surgery / School of Dentistry

Prof. Horst **Fischer**, University Hospital RWTH Aachen, Department of Dental Materials and Biomaterials Research

Prof. Claudia **Göttsch**, Faculty of Medicine, TU Dresden, Institute of Physiology

Prof. Per-Henrik **Groop**, University of Helsinki, Finland, Internal Medicine & Abdominal Centre Nephrology/ University of Monash, Australia - Department of Diabetes

Prof. Joachim **Jankowski**, University Hospital RWTH Aachen, Institute for Molecular Cardiovascular Research

Dr. Jitske **Jansen**, University Hospital RWTH Aachen, Clinic for Kidney and Hypertension Diseases, Rheumatological and Immunological Diseases (Medical Clinic II)

Prof. Florian **Kahles**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

Prof. Petra **Kleinbongard**, University of Duisburg-Essen, Institute for Pathophysiology / Cardioprotection Unit

Prof. Rafael **Kramann**, University Hospital RWTH Aachen, Clinic for Kidney and Hypertension Diseases, Rheumatological and Immunological Diseases (Medical Clinic II)

Dr. Sumeiah **Kweider**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

Prof. Maddalena **Lettino**, Fondazione IRCCS San Gerardo dei Tintori, Monza (MB), Italy, Cardiothoracic and Vascular Department

Prof. A. Michael **Lincoff**, The Cleveland Clinic Foundation, Cleveland, US, Interventional Cardiology, Department of Cardiovascular Medicine

Prof. Nikolaus **Marx**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

Prof. Katharina **Marx- Schütt**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

Prof. Steffen **Massberg**, LMU Munich, Internal Medicine - Cardiology

Prof. Dirk **Müller-Wieland**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

PD Dr. Heidi **Noels**, University Hospital RWTH Aachen, Institute for Molecular Cardiovascular Research

Prof. Gabriele **Schiattarella**, University Hospital Berlin, German Heart Center at Charité (DHZC)/DZHK (German Centre for Cardiovascular Research)/Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC), Translational Approaches in Heart Failure and Cardiometabolic Disease

Dr. Stephan **Schiffels**, Max Planck Institute for Evolutionary Anthropology, Leipzig, Department for Archaeogenetics

Prof. Kai Markus **Schneider**, University Hospital Dresden, Molecular Gastroenterology and Hepatology (Department of Medicine I)

PD Dr. Ulrike **Schulze-Späte**, University Hospital Jena, Section of Geriatric Dentistry, Polyclinic for Conservative Dentistry and Periodontology

PD Dr. Jens **Spießhöfer**, University Hospital RWTH Aachen, Department for Cardiology, Angiology and Internal Intensive Medicine (Medical Clinic I)

Prof. Norbert **Stefan**, Hospital of the University of Tübingen, Clinical and Experimental Diabetology/ Helmholtz Center Munich, Department of Pathophysiology of Prediabetes at the Institute of Diabetes Research and Metabolic Diseases (IDM)

Prof. Michael **Wolf**, University Hospital RWTH Aachen, Department of Orthodontics

Prof. Stefan **Wolfart**, University Hospital RWTH Aachen, Department of Prosthodontics and Biomaterials

Prof. Joachim **Windolf**, University Hospital RWTH Aachen, Medical Director

Host:

Uniklinik RWTH Aachen
Pauwelsstr. 30
52074
Aachen

Organisation:

diaplan GmbH
Alte Ziegelei 2-4
51491 Overath

Venue:

Super C der RWTH
Fordsaal, 6. OG
Templergraben 57
52062 Aachen

Homepage & Registration

<https://www.aachen-cardiorenal-conference.de/>

**Certification:**

The meeting was certified by the North Rhine Medical Association with 16 (5+7+4) CME points.

Sponsorship:

The content of this event is designed to be product- and service-neutral. We inform that the scientific director and the speakers are obliged to disclose any potential conflicts of interest to the participants.

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The funds are used proportionally for: Venue rental, speakers, technical equipment, catering, organization and administration.