

Dear Colleagues,

Diabetes is one of the major risk factors for cardiovascular disease and given the increasing epidemic of diabetes as well as the recognition that diabetes does not only promote the development of vascular disease but also heart failure, diabetes has become one of the major research topics in cardiology over the last years.

A better understanding of the pathophysiology of diabetes-related complications as well as novel therapeutic options to modulate cardiovascular risk in these patients contributed to a shift in paradigm how patients with diabetes should be treated today.

Our symposium on new perspectives in diabetes, lipids, coronary artery disease and heart failure as well as CKD will cover the latest research on the pathophysiology of diabetes and its complications as well as most recent aspects of therapy and risk modification.

It is a great pleasure to invite you and to welcome you to our symposium and I'm looking forward to a fruitful and interesting scientific exchange.



Univ.-Prof. Dr. N. Marx

### Location:

RWTH - SuperC  
Templergraben 57 · 52062 Aachen

### Organization:

Klinik für Kardiologie, Angiologie und  
Internistische Intensivmedizin  
(Medizinische Klinik I)  
der Uniklinik RWTH Aachen

### Contact:

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### Support requested from:

AstraZeneca, Bayer, Allianz Boehringer Ingelheim  
und Lilly, MSD, Novo Nordisk, Novartis, Sanofi

Transparenz: Gemäß FSA-Kodex geben wir die  
Höhe einer Unterstützung der Gesamt-  
veranstaltung durch die Firmen, bei der  
Veranstaltung bekannt.

### CME-Punkte sind beantragt

## Aachen Conference on Cardiovascular Disease and Diabetes



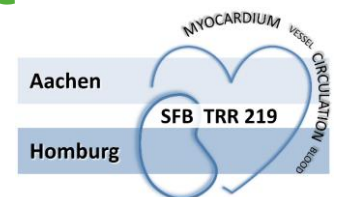
### Topic 2019:

*Translational research  
in cardiovascular disease:  
Molecular mechanisms and clinical  
implications*

### DFG-Sonderforschungsbereich/ Transregio 219

International Task Force for Prevention of Cardio-  
metabolic Diseases · DACH Gesellschaft Prävention  
von Herz-Kreislaufkrankungen und der Deutschen  
Gesellschaft für Atheroskleroseforschung · AG „Herz  
und Diabetes“ der Deutschen Gesellschaft für  
Kardiologie

**07. - 09. November 2019**  
**RWTH-SuperC**



## Thursday: November 7th 2019:

- 13.00-16.00 Patient information activity
- 18.00-18.15 **Welcome** - Nikolaus Marx, Aachen
- 18.15-19.00 **Opening lecture "Artificial intelligence in medicine"**  
- Stefan Uhlig, Aachen  
(Dean of Medical Faculty)

## Friday: November 8th 2019:

- 09.00-09.05 **Welcome** - Nikolaus Marx
- 09.05-11.05 **Cardiovascular disease in diabetes I (25'+5')**  
- Chair: Winfried März, Mannheim  
Hans Dieplinger, Innsbruck
- New insights in epidemiology and prognosis**  
- Wolfgang Koenig, München
- Cardiomyopathy in Diabetes: Early alterations and clinical prognosis**  
- Geneviève Derumeaux, Paris
- Hyperglycemia and cardiovascular risk: Indicator or Mediator?**  
- Hertzell Gerstein, Hamilton
- Platelets and the coagulation system in diabetes** - Peter Grant, Leeds
- 11.05-11.30 **Coffee break**
- 11.30-12.30 **Cardiovascular risk factors (25'+5')**  
- Chair: Dirk Müller-Wieland, Aachen  
Gerd Assmann, Münster
- LDL - Cholesterol lowering and beyond** - Kosh Ray, London
- BP-lowering - target values and therapeutic approaches**  
- Michael Böhm, Homburg

12.30-13.30 **Lunch**

## Friday: November 8th 2019:

- 13.30-14.30 **Cardiovascular disease - hot topics (15'+5')**  
- Chair: Michael Böhm, Homburg
- Vascular calcification - more than a degenerative process in the vessel wall** - Claudia Götttsch, Aachen
- Incretine hormones and modulation of Cardiovascular disease**  
- Michael Lehrke, Aachen
- Interaction between complement activation and coagulation**  
- Katharina Schütt, Aachen
- 14.30-16.10 **Cardiovascular disease in Chronic Kidney Disease (20'+5')**  
- Chair: Joachim Jankowski, Aachen
- Cardiac remodeling after kidney transplantation**  
- Florina Regele, Wien
- Uremic toxins and macrophage activation – novel mechanistic insights**  
- Masanori Aikawa, Boston
- Novel biomarkers and mediators in diabetic nephropathy**  
- Gert Mayer, Innsbruck
- Mud in the Blood: role of protein-mineral complexes in mineral metabolism and calcification.**  
- Wilhelm Jahnen-Dechent, Aachen
- 16.10-16.40 **Coffee break**
- 16.40-17.40 **Keynote lecture**  
- Chair: Nikolaus Marx
- From vulnerable plaques to vulnerable patients and new treatment options** - Peter Libby, Boston
- 17.45-19.15 **Poster session**  
Poster (PIs from the department of Med I; scientists SFB TR)
- 20.15h **Dinner**

## Saturday: November 9th 2019:

- Room 2: **Science** - Chairs: Claudia Götttsch, Aachen  
Christian Werner, Homburg
- 09.30-11.40 **Cardiovascular disease in diabetes II (25'+5')**
- Telemedicine in heart failure – resented and future**  
- Hans-Peter Brunner-La Rocca, Maastricht
- Metabolic regulation by GLP-1 – novel mechanistic insights**  
- Darleen Sandoval, Michigan
- Hypoglycemia and cardiovascular risk - new insights**  
- Ramzi Ajjan, Leeds
- 11.00-11.40 **Intracoronary imaging – implications for prognosis and therapy (15'+5')**  
- Mathias Burgmaier, Aachen
- The omics-approach – novel mediators and mechanisms**  
- Joachim Jankowski, Aachen
- 11.40-12.10 **Coffee break**
- 12.10-13.30 **Mechanisms of Cardiovascular disease in chronic kidney disease (15'+5')**
- Myocardial fibrosis – an update**  
- Christian Werner, Homburg
- Gut microbiome-related metabolic pathways in cardiovascular disease**  
- Ben Kappel, Aachen
- How the uremic milieu impacts on cardiovascular disease**  
- Heidi Noels, Aachen
- Emerging role of post-translational modifications in chronic kidney disease and cardiovascular disease**  
- Vera Jankowski, Aachen
- 13.30-14.00 **End of meeting; lunch**