

Coordination

Scientific Chair

Prof. Dr. Holger Winkels

DGK Task Force Basic Science

Prof. Dr. Brenda Gerull, Dr. Florian Weinberger
Dr. Hannah Billig, Dr. Laura Sommerfeld, Dr. Laura Parma,
PD Dr. Susanne Karbach, Dr. Eric Schoger,
Dr. Johanna Tennigkeit and Prof. Dr. Claudia Göttisch

Topics

Keynote Speaker

Prof. Dr. Thomas Thum, Hannover

Sessions / Topics

- Immunological and metabolic effectors of heart failure
- Insights into the right heart
- The exposome and cardiovascular risk profile
- The vasculature as foundation of disease of everything
- Career panel discussions and Networking sessions

Contact DGK

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DGK-Working Groups

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General Information

Application

- Participation is free of charge, beverages and food will be provided.

Submit your application for participation **online** taking into account the following specifications:

- **Required attachments:**
 1. Current CV (table, max. 1 DIN A4 page)
 2. Abstract (any topics related to basic science in cardiology, max. 250 words excluding authors and affiliations; figures are optional)

Deadline for application submission:
09/11/2025, 12:00 a.m.

- The meeting is limited to 50 participants selected from abstracts.
- Authors of accepted applications will be notified by November 18th, 2025.
- Applicants of top-rated abstracts will be selected to present their work as a talk and the best posters will be awarded.
- Please note that accommodation will not be provided. Recommendations will be shared in the near future

Young DGK Science

05. – 06.12.2025

Leopoldina Halle (Saale)

Scientific Chair
Prof Dr. Holger Winkels

and the
DGK Task Forces Basic Science

Dear colleagues and especially dear young basic scientists!

As young scientists in cardiovascular research, you might sometimes feel that there are hurdles to connect and exchange with the community. That is why the Young DKG Science Meeting presents an exciting opportunity to discuss novel cardiovascular research and to connect with peers and leaders in the field in a casual environment.

We offer medical and non-medical young scientists room for questions, ideas, discussion of own results, translational aspects in basic science, method lectures, and career development. Join us in Halle, we are looking forward to welcoming you.

Holger Winkels

Scientific Chair

And the DGK Task Forces Basic Science

Friday, December 5th 2025

13:00 – Registration
13:45

13:45 – Opening remarks
14:00

Session I – Immunological and metabolic effectors of heart failure

14:00 – Cardiometabolic disease – from mechanisms to new therapeutic concepts
14:20
Johannes Backs, Heidelberg

14:20 – Mitochondrial and metabolic alterations in heart failure
14:40
Christoph Maack, Würzburg

14:40 – Myeloid cell recruitment propels right ventricular dysfunction in HFpEF
15:00
Jana Grune, Berlin

15:00 – 15:15 Short talk I (selected from Abstracts)

15:15 – 15:30 Short talk II (selected from Abstracts)

15:30 – 16:00 Coffee break

16:00 – Keynote lecture
17:00 RNA drugs: From the dish to the clinics
Thomas Thum, Hannover

Session II – Methods and models

17:00 – Relevance of large animal models for translation
17:20
Rabea Hinkel, Göttingen

17:20 – AAV vectors – From target validation to clinical applications
17:40
Oliver Müller, Kiel

17:40 – Analysis of Cardiomyopathies using patient-specific stem cell models
18:00
Katrin Streckfuß-Bömeke - Würzburg

18:00 – 21:00 Poster session mit Snacks

21:00 – Networking
22:00

Saturday, December 6th 2025

Session III – Exposomal effects on cardiovascular health

09:00 – Understanding cardiovascular risk: the role of classical risk factors and residual risk
09:20
Christina Magnussen, Hamburg

09:20 – Cancer – a major comorbidity of the cardiovascular system
09:40
Lorenz Lehmann, Heidelberg

09:40 – Insights from Systems Biology and MultiOmics in Right Heart Failure
10:00
Soni Savai Pullamsetti, Gießen/Bad Nauheim

10:00 – A heart-healthy diet: an underestimated risk factor for cardiovascular diseases
10:20
Stefan Lorkowski, Jena

10:20 – 10:35 Short talk III (Selected from Abstracts)

10:35 – 11:15 Coffee break

Session IV – Vasculature at the center of cardiovascular risk

11:15 – Targeting myeloid cell inflammation-coagulation signaling to prevent ischemic heart failure
12:05
Philip Wenzel, Mainz

12:05 – Microcirculation and metabolism in the diabetic heart
12:25
Ingrid Fleming, Frankfurt

12:25 – Endothelial dysfunction in heart failure
12:45
Holger Gerhardt, Berlin

12:45 – Interorgan communication in CVD
13:05
Hendrik Sager, München

13:05 – 13:20 Short talk IV (Selected from Abstracts)

13:20 – Poster award ceremony and concluding remarks
13:30

13:30 Lunch