

Conference Office

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Symposium WLAN

Free WiFi is provided

Directions/ parking

With public transport:

Lines 16, 63 in the direction of Bad Godesberg or line 66 in the direction of Bad Honnef. Get off at the UNIVERSITY/ MARKET station.



Upon arrival at Cologne / Bonn Airport:

With the airport bus S60 get off at the station BONN-MARKT

By car:

If you arrive by car, we recommend the "Unigarage" (Navi: 53111 Bonn, Stockenstraße)

Conference Venue

Universitätsclub Bonn e.V.
Konvikstr. 9
53113 Bonn



Speakers Dinner

Invited are all speakers and projectleader of the TRR259
March 23, 8:00 pm



Nees

In the botanical gardens of the University of Bonn
Meckenheimer Allee 169
53115 Bonn

Social Event

Please register by March 23 at 8:00 p.m. at the latest if you want to participate in the social event on
March 24 from 4:45 - 7:30 pm



House of the History of the Federal Republic of Germany
Museumsmeile
Willy-Brandt-Allee 14
53113 Bonn



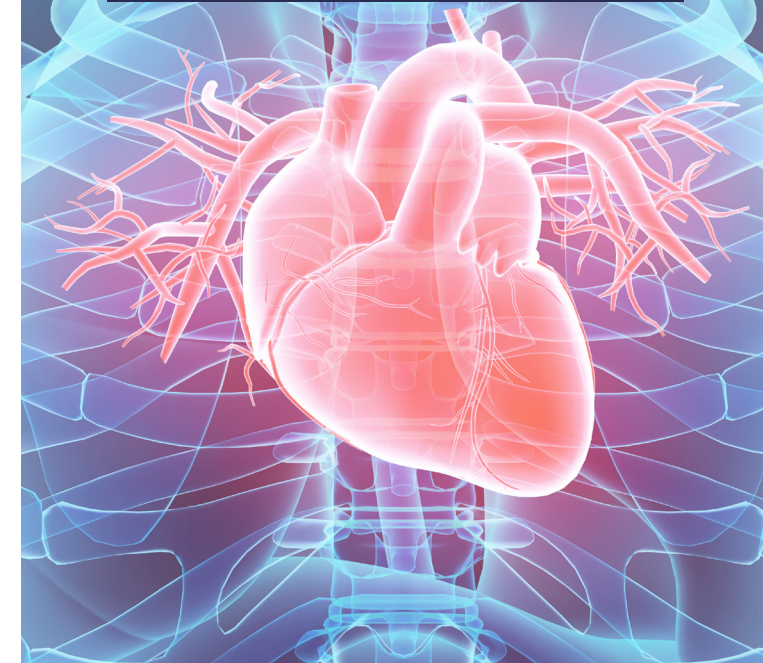
4:45 pm Departure to "House of the History of the Federal Republic of Germany"
5:30 pm Guided tour of the museum
7:15 pm Return to the Bonn University Club

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NEW MECHANISTIC INSIGHTS INTO AORTIC DISEASES

3rd International Symposium of the TRR259



March 23 - 25, 2022
Universitätsclub Bonn



Bonn - Cologne - Düsseldorf

3rd International Symposium on Aortic Diseases

New mechanistic insights into aortic diseases

It is a great pleasure to invite you to our 3rd International Symposium on “New mechanistic insights into aortic diseases” which will take place from March 23 – 25, 2022 at the Universitätsclub Bonn to meet with our scientists and students of the Collaborative Research Center/ Transregio TRR 259 to discuss and develop new interactions and strengthen existing ones.

The Symposium will provide an update in topics like

- Modulation of extracellular matrix
- Cell characterization and communication
- Immunometabolism
- Immunological mechanisms
- Translation into therapies

We are happy to announce the participation of internationally acclaimed keynote speakers who will cover these topics and connect molecular mechanisms with clinical observations and the development of novel treatment strategies. In addition, we will present the most interesting projects from our Collaborative Research Center/ Transregio TRR259.

Moreover, the city of Bonn has a rich history both in culture and science and offers a multitude of historic sites to visit.

We are very grateful to the German Research Foundation for the support of our symposium.

We hope to see you in Bonn.

Georg Nickenig
Speaker of TRR259
Bonn

Malte Kelm
Co-Speaker of TRR259
Düsseldorf

Stephan Baldus
Co-Speaker of TRR259
Cologne

Program

Day 1

Wednesday, March 23, 12 am - 7 pm

12:00 REGISTRATION

12:45 Welcome and Highlights of the TRR259
Georg Nickenig | University of Bonn

1:00 - 3:30 pm Session I: Modulation of extracellular matrix

Chairs: Prof. Maria Grandoch, Prof. Gerhard Sengle

1:00 Epidemiology, outcome and treatment of AA 2022
Prof. Anders Wanhainen | University of Uppsala

1:30 Hylauronic acid and endothelial cells
Prof. Bernard M. van den Berg | LUMC Leiden

2:00 Molecular mechanisms of AA disease
Prof. Philip S. Tsao | Stanford University

2:30 JNK-Targeting nanotherapeutics for elastic matrix regenerative repair in Abdominal Aortic Aneurysms
Prof. Anand Ramamurthi | Lehigh University

3:00 Genetic aortic disorders
Prof. Bart Loeys | University of Antwerp

3:30 COFFEE BREAK

4:00 - 7:00 pm Session II: Cell characterization and communication

Chairs: PD Dr. Felix Jansen, Prof. Bernd Fleischmann, Prof. Holger Winkels

4:00 Epidemiology, outcome and treatment of AS 2022
Prof. Bernard D. Prendergast | Guy's and St Thomas' NHS Foundation Trust, London

4:30 Vesicles as a novel approach to induce cardiac repair
Prof. Joost Sluijter | University of UMC Utrecht

5:00 Spatial multiomic map of cardiovascular disease
Prof. Rafael Kramann | RWTH Aachen

5:30 hiPS models to mimic genetic and complex cardiovascular diseases in vitro
Prof. Alessandra Moretti | TUM Munich

6:00 Cellular cross-talks in cardiovascular repair
Prof. Stefanie Dimmeler | University of Frankfurt

6:30 Single cell RNAseq and spatial transcriptomics
PD Dr. Marc Beyer | DZNE Bonn

Day 2

Thursday, March 24, 9 am - 7 pm

9:00 - 12:30 am Session III: Immunometabolism

Chairs: Prof. Eicke Latz, Prof. Alexander Pfeifer

9:00 Epigenetics and immunometabolism
Prof. Musa Mhlanga | Radboud University

9:30 Obesity and the vascular system
Prof. Matthias Blüher | HI-MAG, University of Leipzig

10:00 Role of monocytes in aortic disease
Prof. Terje Espevik | NTNU

10:30 COFFEE BREAK

11:30 Mechanisms of metabolic fitness and cardiovascular disease
Prof. Mark Febbraio | Monash University

11:30 Mechanisms leading from diabetes to macrovascular disease
Prof. Michael Roden | University of Düsseldorf

12:00 The lipid-immuno-axis in cardiovascular disease
Prof. Magnus Bäck | Karolinska Institute

12:30 LUNCH

1:30 - 3:30 pm Poster Session

3:30 - 4:30 pm Highlights of the TRR259

Chairs: Prof. Stephan Baldus, Prof. Malte Kelm, Prof. Georg Nickenig

3:30 Genetics of AA and AS
Prof. Markus Nöthen | University of Bonn

3:50 Dysregulated extracellular signaling pathways in aortic aneurysm formation in Marfan syndrome
Prof. Gerhard Sengle | University of Cologne

4:10 Beyond vessel diameters: Comprehensive in vivo characterization of aortic disease by cardiovascular MR
Prof. Ulrich Flögel | University of Düsseldorf

4:45 - 7:30 pm Social Event

8:00 pm Dinner for all

Day 3

Friday, March 25, 9 am - 3 pm

9:00 - 12:00 am Session IV: Immunological mechanisms

*Chairs: Prof. Norbert Gerdes, Prof. Christian Kurts, Prof. Gunther Hartmann
Prof. Sebastian Zimmer*

9:00 Trained immunity: relevance for atherosclerosis
Prof. Mihai Netea | Radboud University

9:30 CHIP in cardiovascular disease
Prof. Dominik Wolf | University of Innsbruck

10:00 Targeting adaptive immunity for treatment of aortic disease
Prof. Alma Zernecke-Madsen | University of Würzburg

10:30 COFFEE BREAK

11:00 Role of RIG-I-like receptors in Singleton-Merten Syndrome
Prof. Takashi Fujita | Kyoto University

11:30 Birth, life and death of immune cells in aortic disease
Prof. Filip Swirski | Mount Sinai

12:00 LUNCH

1:00 - 2:30 pm Session V: Translation into therapies

Chairs: Prof. Stephan Baldus, Prof. Malte Kelm, Prof. Georg Nickenig

1:00 Novel therapies for AA disease
Prof. Lars Maegedeffessel | TUM Munich

1:30 Bioprosthesis engineering and ex vivo tissue testing
Prof. Artur Lichtenberg | University of Düsseldorf

2:00 Inflammation: a treatment target in CAD prevention
Prof. Christian Weber | LMU Munich

2:30 CLOSING REMARKS