

PROGRAM | DAY 1 | 27TH JUNE

10:20 **Oral Presentation of Selected Abstract**
Microbial-derived imidazole propionate is elevated in heart failure and promotes fibrosis through p38y activation
Dr. Vanasa Nageswaran, Bochum, DE

R 4/5

Diversity session: Bridging the Gender Gap in Cardiology: Sex-Specific Medicine and Treatment Disparities



Chairs: Dr. Jan Wintrich, Herne, DE

Dr. Katharina Scherschel, Düsseldorf, DE

R 4/5

10:30 **Beyond biological sex – why is diversity medicine needed?**
Prof. Marie von Lilienfeld, Bochum, DE

10:55 **The Gut-Vascular Axis: Microbiome-Driven Mechanisms of Vascular Aging**
Dr. Benjamin Sasko, Herne, DE

11:20 **Sex-Specific Cardiology**
Prof. Dr. Carolin Lerchenmüller, Zürich, CH

German session 1: Fettstoffwechselstörungen und Hypertrophe Kardiomyopathie



Chairs: Dr. Gerold Metzger, Bochum, DE
Dr. Benjamin Sasko, Herne, DE

11:45 **Neues in der Therapie von Fettstoffwechselstörungen**
Prof. Dr. Nikolaos Pagonas, Neuruppin, DE

12:10 **Therapie der hypertrophen Kardiomyopathie – ein Update**
Prof. Dr. Michael Gotzmann, Bochum, DE

12:35 **Differentialdiagnosen verdickter Herzmuskel – mehr als nur HOCM**
Dr. Martin Christ, Bottrop, DE

PROGRAM | DAY 1 | 27TH JUNE

German session 2: Interventionelle Kardiologie und Therapiestrategien des kardiogenen Schocks



Chairs: Prof. Dr. Andreas Mügge, Bochum, DE
Prof. Dr. Oliver Bruder, Essen, DE

13:00 **Interventionelle Therapie der koronaren Herzerkrankung – ein Update**
Prof. Dr. Arash Haghikia, Bochum, DE

13:25 **Aktueller Stand der Aortenklappenimplantation (TAVI)**
Prof. Dr. Moritz Seiffert, Bochum, DE

13:50 **Neue Behandlungsstrategien beim kardiogenen Schock**
Prof. Dr. Ibrahim Akin, Mannheim, DE

Diversity workshops

Chairs: Prof. Dr. Ina Otte, Bochum, DE
Prof. Dr. Marie Lilienfeld-Toal, Bochum, DE
Sebastian Paschen, Bochum, DE



R 4/5

13:00 **Rewriting the rhythm - an interactive workshop addressing diversity in cardio-vascular care**
(in English)

14:00 **Rewriting the rhythm - ein interaktiver Workshop zu Diversität in kardiovaskulärer Versorgung**
(auf Deutsch)

15:00 **Teaching Health Equity: Diversitätssensible Kompetenzvermittlung in der medizinischen Ausbildung**

PROGRAM | DAY 1 | 27TH JUNE

German Session 3: Diagnose, Prognose und Therapieansätze der Amyloidose



Chairs: Dr. Assem Aweimer, Bochum, DE
PD Dr. Anna Lena Fisse, Bochum, DE

14:30 **Diagnostik der kardialen Amyloidose**
Prof. Dr. Roman Pfister, Köln, DE

14:55 **Stellenwert des MRTs im Nachweis einer kardialen Amyloidose**
Prof. Dr. Ali Yilmaz, Münster, DE

15:20 **Hereditäre Amyloidose: interdisziplinäre Therapie**
Prof. Dr. Matthias Schilling, Münster, DE

15:50 **Coffee break**

FOYER

16:30 **OPENING OF THE CONFERENCE**
Opening Remarks
Prof. Dr. Nazha Hamdani, Bochum, DE
PD. Dr. Ibrahim El-Battrawy, Bochum, DE
Welcome Address
Prof. Dr. Martin Paul, Bochum, DE
(Rektor Ruhr-Universität Bochum)



PROGRAM | DAY 1 | 27TH JUNE

Session 1: Metabolic disturbances as key driver of cardiac and vascular disorders



Chairs: Prof. Dr. Christian Ukena, Herne, DE
Prof. Dr. Cinzia Perrino, Napoli, IT

17:00 **Diabetes, Hypertension, and Obesity: Clinical Insights and Vascular Mechanisms**
Prof. Dr. Gemma Villahur, Barcelona, ES

17:25 **Novel aspects of natriuretic peptide-mediated organ crosstalk**
Prof. Dr. Michaela Kuhn, Würzburg, DE

17:50 **Pulmonary hypertension and the lung micro-environment in cardiometabolic disease**
Dr. Sarah Costantino, Zürich, CH

18:15 **Role of incretins in control of vascular disease and function**
Prof. Dr. Elena Osto, Graz, AT

18:40 **Oral Presentation of Selected Abstract Neutrophil Activation, NET Accumulation, and Redox-Impaired DNase1 Define a Self-Amplifying Inflammatory–Oxidative Axis in HFpEF**
Oliver Jarkas, Bochum, DE

Keynote



Chairs: Prof. Dr. Andreas Mügge, Bochum, DE
Prof. Dr. Francesco Paneni, Zürich, CH

19:00 **Social and Environmental Determinants in Cardio-Kidney-Metabolic Syndrome**
Prof. Dr. Sanjay Rajagopalan, Cleveland, USA

20:00 **Dinner**

PROGRAM | DAY 2 | 28TH JUNE

Session 1: The landscape of heart failure



Chairs: Prof. Dr. Daniela Wenzel, Bochum, DE
Prof. Dr. Moritz Seiffert, Bochum, DE

08:30 **Management of heart failure: from pathophysiology to treatment**
Dr. Loek van Heerebeek, Amsterdam, NL

08:55 **Cutting-edge device therapies in heart failure**
Prof. Dr. Stephan Rosenkranz, Köln, DE

09:20 **Emerging Targets and Pathways in Heart Failure**
Prof. Dr. Manuel Mayr, London, GB

09:45 **From Hypertension to Heart Failure**
Prof. Dr. Stefano Masi, Pisa, IT

10:10 **Oral Presentation of Selected Abstract**
Epigenomic Rewiring of the Cardio-Renal Axis in
Obesity-Related HFpEF
Natalia Atzemian, Zurich, CH

10:20 **Networking and Refreshment Break**

FOYER

PROGRAM | DAY 2 | 28TH JUNE

Session 2: Residual CVD risk/The State-of-the-art in Cardiovascular Prevention



Chairs: Prof. Dr. Huu Phuc Nguyen, Bochum, DE
Prof. Dr. Stephan Rosenkranz, Köln, DE

10:40 **Influence of the dissected aortic arch morphopathology on the remodeling following AMDS therapy**
PD Dr. Peter Haldenwang, Bochum, DE

11:05 **Pacing in HFpEF and computational cardiology**
Dr. Joost Lumens, Maastricht, NL

11:30 **Blood Pressure as an Independent and Continuous Cardiovascular Risk Factor**
Prof. Dr. Arrigo Cicero, Bologna, IT

11:55 **Hypertriglyceridemia, Postprandial Lipemia, and Non-HDL Cholesterol: Implications for Cardiovascular Risk and Therapeutic Strategies**
Prof. Dr. Andrea Baragetti, Milano, IT

12:10 **Oral Presentation of Selected Abstract Association between high-sensitivity C-reactive protein (hsCRP) and arterial blood pressure**
Dr. Sebastian Bertram, Herne, DE

12:20 **Poster session (until 13:45)**

1st floor

Chairs:

Prof. Dr. Mahmoud Abdellatif, Graz, AT
Prof. Dr. Attila Kiss, Wien, AT
Dr. Loek van Heerebeek, Amsterdam, NL
Dr. Ronja Flueren, Bochum, DE
Dr. Vasco Sequeira, Würzburg, DE
Dr. Ulrik Stervbo (Herne, DE)

12:20 **Networking and Refreshment Break**

FOYER

PROGRAM | DAY 2 | 28TH JUNE

German Session 4: Interventionelle Rhythmologie und kardiale Device-Therapie



Chairs: Prof. Dr. Christian Ukena, Herne, DE

Prof. Dr. Philipp Sommer, Bad Oeynhausen, DE

R 4/5

12:20 **Kardiale Device-Therapie – ein Update**
Prof. Jürgen Kuschyk, Mannheim, DE

12:45 **Diagnostik von Vorhofflimmern – ein Update**
Prof. Dr. Constanze Schmidt, Heidelberg, DE

13:10 **Update über interventionelle Therapieansätze bei Vorhofflimmern**
Prof. Dr. med. Shibu Mathew, Essen, DE

Session 3: Controlling metabolism to improve heart failure



Chairs: Prof. Dr. Mahmoud Abdellatif, Graz, AT

Prof. Dr. Arash Haghikia, Bochum, DE

13:45 **Organ Crosstalk and Cardiovascular Calcification: Mechanisms and Clinical Implications**
Prof. Dr. Claudia Goettsch, Dresden, DE

14:10 **Gaining new insights into the etiology and development of new therapies of HFpEF**
Prof. Dr. Johannes Backs, Heidelberg, DE

14:35 **Chromatin remodeling and epi-drugs in cardiometabolic heart failure**
Prof. Dr. Francesco Paneni, Zürich, CH

15:00 **From Mechanism to Medicine: Bridging the Gap in HFpEF**
Prof. Dr. Gianluigi Condorelli, Milano, IT

PROGRAM | DAY 2 | 28TH JUNE

15:25 **Oral Presentation of Selected Abstract**
Increased mitochondrial inner membrane fusion by OPA1 overexpression impacts cardiac metabolism.
Lorenzo Da Dalt, Milano, IT

15:35 **Poster session (until 16:30)** 1st floor
Chairs:
Prof. Dr. Mahmoud Abdellatif, Graz, AT
Prof. Dr. Attila Kiss, Wien, AT
Dr. Loek van Heerebeek, Amsterdam, NL
Dr. Ronja Flueren, Bochum, DE
Dr. Vasco Sequeira, Würzburg, DE
Dr. Ulrik Stervbo (Herne, DE)

15:35 **Networking and Refreshment Break**

Session 4: Inflammation and Immunometabolism in atherosclerosis FOYER
Chairs: Prof. Dr. Fabrizia Bonacina, Milano, IT
Prof. Dr. Konstanze Winklhofer, Bochum, DE 

16:30 **High fat diet feeding and immune reprogramming during atherosclerosis**
Prof. Dr. Niels Riksen, Nijmegen, NL

16:55 **Inflammation at the Crossroads of Cardiology and Neurology: From Bench to Bedside**
Prof. Dr. Tobias Ruck, Bochum, DE

PROGRAM | DAY 2 | 28TH JUNE

17:20	Immunometabolism in artery wall: new targets to combat CVD Prof. Dr. Daniel F J Ketelhuth, Odense, DK	
17:45	Tackling inflammation in Cardiovascular Diseases Prof. Dr. Pasquale Maffia, Glasgow, GB	
18:10	Oral Presentation of Selected Abstract Phenotypic Shifts in Macrophages within Advanced Atherosclerotic Plaques in Human Barbora Muffova, Prague, CZ	
18:20	Networking and Refreshment Break	FOYER
	Keynote Chairs: Prof. Dr. Giuseppe Danilo Norata, Milano, IT Prof. Dr. Wolfgang Schmidt, Bochum, DE	
18:30	Cardio-Immunology: the new Frontier Prof. Dr. Burkhard Ludewig, St. Gallen, CH	
20:00	Dinner	

PROGRAM | DAY 3 | 29TH JUNE

Session 1: Mechanisms to improve CVD Outcome



Chairs: Prof. Dr. Ibrahim Akin, Mannheim, DE

Prof. Dr. Paul Evans, London, GB

08:30 **Estimation of LDL cholesterol in chronic kidney disease and CVD**

Prof. Dr. Timm Westhoff, Herne, DE

08:55 **Endothelial dysfunction in CVD**

Prof. Dr. Andreas Flammer, Zürich, CH

09:20 **The evolving landscape of PCSK9i inhibitors**

Prof. Dr. Danilo Norata, Milano, IT

09:45 **Multi-Omics and the Organ Axis: Advancing Cardiovascular Prevention**

Prof. Dr. Rafael Kramann, Aachen, DE

10:10 **Oral Presentation of Selected Abstract**
Hypercontractility-driven oxidative stress impairs creatine kinase function in hypertrophic cardiomyopathy
Anton Xu, Würzburg, DE

10:20 **Networking and Refreshment Break**

PROGRAM | DAY 3 | 29TH JUNE

Session 2: Beyond LDL-C, focus on TG rich lipoproteins and Lp(a)



Chairs: Prof. Dr. Giuseppe Danilo Norata, Milano, IT
Prof. Dr. Ali Canbay, Bochum, DE

10:40 **Atherosclerosis: Cellular Mechanisms and Immunometabolic Interactions**
Prof. Dr. Holger Winkels, Köln, DE

11:05 **Triglyceride-Rich Lipoproteins: Targets for Therapy?**
Prof. Dr. Alberto Zambon, Padua, I

11:30 **Lp(a) from physiopathology to pharmacology**
Prof. Dr. Simon Kraler, Zürich, CH

11:55 **Bridging Metabolic Landscape and Interorgan Crosstalk in HFpEF: Mechanisms to Therapeutics**
Prof. Dr. Gabriele Schiattarella, Berlin, DE

12:20 **Oral Presentation of Selected Abstract**
Right Heart Failure: Benefits of Mitochondria-Focused Therapeutic Intervention in mice
Fabian Bojku, Bad Oeynhausen, DE

12:30 **Networking and Lunch Break**



PROGRAM | DAY 3 | 29TH JUNE

Session 3: Gene editing and RNA therapies in the context of Cardiovascular Disorders



Chairs: Prof. Dr. Maurizio Pesce, Riyadh, SA
Prof. Dr. Fabio Martelli, Milano, IT

13:45 **Gene therapy strategies in the treatment of hypertrophic cardiomyopathy**
Prof. Dr. Reinier Boon, Frankfurt, DE

14:10 **Unraveling the Molecular Drivers of Cardiovascular Disease: The Role of Non-Coding RNAs and Novel Therapeutic Targets**
Prof. Dr. Leon de Windt, Maastricht, NL

14:35 **RNA Editing in Cardiovascular Disease**
Prof. Dr. Konstantinos Stellos, Heidelberg, DE

15:00 **Fibrosis Treatment by Enhancer Targeting**
Prof. Dr. Paola Cattaneo, Milano, IT

15:25 **Oral Presentation of Selected Abstract
Therapeutic Modulation of the Lung Microenvironment
in Obesity-Induced HFpEF-Associated Pulmonary Hypertension**
Dr. Marialucia Telesca, Schlieren, CH

15:35 **Prize oral presentation and poster**
Jury:
Prof. Dr. Mahmoud Abdellatif, Graz, AT
Prof. Dr. Attila Kiss, Wien, AT
Dr. Loek van Heerebeek, Amsterdam, NL
Dr. Ronja Fluere, Bochum, DE
Dr. Vasco Sequeira, Würzburg, DE
Dr. Ulrik Stervbo (Herne, DE)

16:00 **Closing Remarks**
