

20th Dutch-German Joint Meeting of the Molecular Cardiology Working Groups

16th – 18th March 2023

Würzburg

Thursday, 16th March, 2023

12:00 - 12:45 Poster Set-up

12:45 - 13:00 Welcome and Organizational Issues

13:00 – 14:30 Session 1: Cardio-Immunology

Chair 1: Gustavo Ramos, Würzburg

Chair 2: Anke Smits, Leiden

Talk 1 Cholesterol efflux pathways control T cell aging and atherosclerosis - **Marit Westerterp, Groningen**

Talk 2 Clonal hematopoiesis of indeterminate potential (CHIP) – an acquired genetic cardiovascular risk factor in search of a mechanism - **Ingo Hilgendorf, Freiburg**

Talk 3 The role of lipid binding GPCRs in cardiac and vascular inflammation - **Sabine Steffens, München**

Talk 4 Inflammation in the heart: adaptive traits and therapeutic opportunities - **Kai Wollert, Hannover**

14:30 - 16:30 Poster Session I and Coffee

16:30 – 18:00 Session 2: Mitochondrial and Metabolic Impact on Cardiovascular Disease

Chair 1: Stefan Frantz, Würzburg

Chair 2: Bianca Brundel, Amsterdam

Talk 1 Mitochondrial targets in myocardial ischemia/reperfusion injury - **Judith Haendeler, Düsseldorf**

Talk 2 SGLT2 inhibitors directly affect the cardiac Na⁺-interactome: is SGLT2 needed for SGLT2 inhibitors to protect the heart? - **Coert Zurbier, Amsterdam**

Talk 3 Increased myocardial ketone body oxidation underlies the salutary effects of SGLT2-inhibitors in heart failure - **Daan Westenbrink, Groningen**

Talk 4 Redox signaling in vascular injury - **Flávia Rezende, Frankfurt**

Friday, 17th March, 2023

9:00 - 10:30 Session 3: Cardiomyopathies

Chair 1: Friederike Cuello, Hamburg

Chair 2: Miranda Nabben, Maastricht

Talk 1 Genetic and molecular insights in inherited cardiomyopathies - **Brenda Gerull, Würzburg**

Talk 2 *In vitro* and *in vivo* models to study the molecular pathogenesis of arrhythmogenic cardiomyopathy - **Martina Calore, Maastricht**

Talk 3 Investigating treatment strategies in a PLN-R14del mouse cardiomyopathy model - **Herman Silljé, Groningen**

Talk 4 Molecular mechanisms underlying RBM20 cardiomyopathy - **Maarten van den Hoogenhof, Heidelberg**

10:30 - 11:00 Coffee Break

11:00 - 12:30 Session 4: Systems Biology in Cardiovascular Disease

Chair 1: Esther Creemers, Amsterdam

Chair 2: Benjamin Meder, Heidelberg

Talk 1 A data-driven strategy to dissect molecular remodeling in cardiac disease - **Alicia Lundby, Copenhagen**

Talk 2 Spatial-omics approaches to study heart diseases - **Berta Cillero-Pastor, Maastricht**

Talk 3 Deciphering the mechanism of RBM20 mislocalization in dilated cardiomyopathy - **Julia Kornienko, Heidelberg**

Talk 4 Spatial multi-omic map of human myocardial infarction - **Christoph Kuppe, Aachen**

12:30 - 14:30 Poster Session II and Lunch

14:30 - 15:15 Keynote Lecture 1

Chair: Kristina Lorenz, Würzburg

Modelling cardiotoxicity, drug responses and disease in human iPSC-derived CM - **Christine Mummery, Leiden**

15:15 - 15:45 Coffee Break

15:45 - 17:15 Session 5: Young Investigator Award Session

Judge/Chair 1: Sabine Klaassen, Berlin

Judge/Chair 2: Blanche Schroen, Maastricht

Judge/Chair 3: Christiane Vettel, Mannheim

Judge/Chair 4: Leon de Windt, Maastricht

Judge/Chair 5: Larissa Fabritz, Hamburg
Judge/Chair 6: Niels Voigt, Göttingen

Talk 1 Rocco Caliandro, Amsterdam

Talk 2 Anna Lischke, Karlsruhe

Talk 3 Felix Trogisch, Heidelberg

Talk 4 Philipp Konrad, Heidelberg

Saturday, 18th March, 2023

9:00 - 10:30 Session 6: Cardio-Oncology

Chair 1: Monika Stoll, Münster

Chair 2: Wouter Meijers, Groningen

Talk 1 Cancer - a major cardiac comorbidity - **Lorenz Lehmann, Heidelberg**

Talk 2 Chemotherapy and heart failure - **Denise Hilfiker-Kleiner, Marburg**

Talk 3 Reverse cardio-oncology: shared mechanisms and pathophysiology -
Joseph Pierre Aboumsallem, Rotterdam

Talk 4 Is heart failure a risk factor for cancer? - **Johannes Backs, Heidelberg**

10:30 - 11:00 Coffee Break

11:00-11:45 Keynote Lecture 2

Chair: Albert Sickmann, Dortmund

Platelets as targets in cardiovascular diseases - **Bernhard Nieswandt, Würzburg**

11:45 - 12:30 Lunch Break

12:30 – 14:00 Session 7: Novel Strategies in Cardiovascular Research

Chair 1: Ferdinand le Noble, Karlsruhe

Chair 2: Laura Zelarayán, Göttingen

Talk 1 CRISPR/Cas9-mediated regulation of gene transcription - **Eric Schoger, Göttingen**

Talk 2 Therapeutic AAV gene transfer strategies - **Oliver Müller, Kiel**

Talk 3 Human iPSC-derived 3D vessel-on-chip to model vascular disease and beyond - **Marc Vila Cuenca, Leiden**

Talk 4 Single cell approaches to investigate cardiac pathophysiology - **Monika Gladka, Amsterdam**

14:00 YIA Winner and Poster Prize Announcement

14:30 Departure

Poster Judges:

Thomas Wieland

Rabea Hinkel

Susanne Lutz

Toon van Veen

Jörg Heineke

Ali El-Armouche

Joachim Altschmied

Anke Fender