

1st Myocardial Function Symposium: “Targets in cardiometabolic disease”

Joint Meeting:

WG13 – Myocardial Function and Energetics, German Cardiac Society (DGK)

WG1 – Cardiovascular Biology and Thrombosis Research, Austrian Society of Cardiology (ÖKG)

Friday, Jan 10

12:00-13:00 **Nukleusmeeting WG13 (Lunch meeting)**

13:00 Welcome (Bugger, Graz)

Session 1 13:05 – 15:00 Basic Science Session I: Ex-vivo cardiac cell models and methods: current status and future prospects

Chair: Streckfuß-Bömeke (Goettingen), Rainer (Graz)

13:05 How to evaluate the cardiac function in vivo vs. ex vivo? (Schwarzer, Jena)

13:25 Cardiometabolic measurements in isolated cardiomyocytes
(Niemann, Giessen)

13:45 Cardiometabolic disease modeling using a patient-specific stem cell model
(Dudek, Würzburg)

14:05 Systems biology in cardiometabolic research (Metabolomics)(Birner-Grüner, Graz)

14:25 Sophisticated methods to evaluate mitochondrial biology (Malli, Graz)

14:45 Novel technologies for mitochondria and cell research (Gnaiger, Innsbruck)

15:00 – 15:15 Coffee break

Session 2 15:15 – 16:35 Basic Science Session II: In vivo models of cardiac disease

Chair: Sedej (Graz), Neef (Regensburg)

15:15 Animal models of cardiac disease I: HFpEF models (Wallner, Graz)

15:35 Animal models of cardiac disease II: HFrEF models (Haubner, Innsbruck)

15:55 Animal models of cardiac disease III: Models of cardiac stress (Backs, Heidelberg)

16:15 Animal models of cardiac disease IV: Diabetes and heart disease in pigs (Hinkel, München)

16:35-16:50 Coffee break

Session 3 16:50 - 17:55 Basic Science Session III: Emerging mechanisms in diabetic heart disease

Chair: Hamdani (Bochum), Niessner (Wien)

16:50 Inflammation in cardiometabolic disease (Wolf, Freiburg)
17:10 NAD⁺ metabolism and sirtuins in cardiometabolic disease (Abdellatif, Graz)
17:30 Calcium handling and signaling in cardiometabolic disease (Wagner, Regensburg)
17:50 **Special lecture:** Cardiovascular disease in diabetes: Is it all about the guts? (Swirski, Boston)

18:30 - 19:45 **Casual Get Together for Interaction**

20:00 **Speakers Dinner**

Saturday, Jan 11

Session 4 8:30 – 9:55 **Novel antidiabetic drugs: The road to cardioprotection** (Joint Session with AG23 – Heart and Diabetes, DGK)

Chair: Sossalla (Regensburg), Zirlik (Graz)

8:30 Welcome (Zirlik, Graz)
8:35 Cardiovascular outcomes of novel antidiabetic drugs (Sourij, Graz)
8:55 Mechanisms underlying heart disease in diabetes (Rohrbach, Giessen)
9:15 Cardioprotective mechanisms of SGLT2 inhibition (Pabel, Regensburg)
9:35 Cardioprotective mechanisms of GLP1 agonism (Lehrke, Aachen)

9:55 – 10:15 Coffee break

Session 5 10:15 – 11:45 **Optimal risk factor management and treatment in diabetic patients**

Chair: Ablasser (Graz), Maack (Würzburg)

10:15 Optimal lipid lowering: Established and novel therapies (Laufs, Leipzig)
10:40 Omega-3 fatty acids in reducing risk for cardiovascular diseases: Fact, fancy or folly? (März, Mannheim)
11:05 Pleiotropic effects of NOACs: How many actions and cardioprotective effects have NOACs ? (Siller-Matula, Wien)
11:30 Heart failure treatment in diabetics: Current drugs and emerging options (Maack, Würzburg)

11:55-12:00 Short break

12:00 **Keynote lecture:** Treating diabetic heart disease: Where do we go? (Abel, Iowa City)
Chair: Bugger (Graz), Toischer (Göttingen)

12:50 Conclusion and Lunch