

**The 8th Annual Meeting of the Dutch-German
Molecular Cardiology Working Groups**

**Rotterdam
18-20 February 2010**

Organization

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Dirk Duncker

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Stefan Käab

Yigal Pinto

Wolfgang Rottbauer

Eric Schulze Bahr

Toon van Veen

Joachim Weil

Leon de Windt

Wolfram Zimmermann

Thursday 18-02-2010

14.00 - 15.00 Registration and get-together

15.00 - 15.15 Opening: Dirk Jan Duncker (Rotterdam)

Session 1 Development and Ageing of the Cardiovascular System: From the Cradle to the Grave

**Chairs: Jeroen Bakkers (Utrecht)
Thomas Eschenhagen (Hamburg)**

15.15 – 15.35 Phil Barnett (Amsterdam)

Tbx3 across the cardiac transcriptome: Deep sequence insights into SCN5A regulation.

15:35 - 15.55 Michael Potente (Frankfurt)

Senescence, metabolism and blood vessel growth – the sirtuin connection.

15.55 – 16:15 Abdelaziz Beqqali (Leiden)

CHAP, a novel calcineurin-regulated protein essential for striated muscle development and function.

16.15 - 16.35 Markus Bussen (San Francisco)

Sprouty 1 knock-out mice display cardiac hypertrophy originating in epicardial derived cells.

16.35 – 16.45 General Discussion

Key Note Lecture

17:00 – 17:10 Eric Duckers (Rotterdam)

Introduction to Keynote lecture and award.

17:10 – 18:10 Stefanie Dimmeler (Frankfurt)

MicroRNAs: novel players in cardiovascular disease.

18:10 – 18:20 Eric Duckers (Rotterdam)

Achievement Award presentation

19:00 – 22:30 Social event / Dinner

19:45 Start buffet

Friday 19-02-2010 A.M.

Session 2 The promise of Regenerative Medicine

Chairs: Eric Duckers (Rotterdam)
Stefanie Dimmeler (Frankfurt)

8.30 – 08.50 Imo Hoefler (Utrecht)
Bone marrow derived cells in neovascularisation.

8.50 - 9.10 Laura Zelarayán (Berlin)
Markers & signaling pathways controlling adult cardiac endogenous progenitor cells

9.10 - 9.30 Stefan Schulte Merker (Utrecht)
Lymphangiogenesis – from zebrafish mutants to human patients.

9.30 - 9.50 Caroline Cheng (Rotterdam)
A new clone regulating vasculogenesis.

9:50 – 10:00 General Discussion

10.00 - 10.30 *Break*****

Session 3 Entrepreneurship at the Bench

Chairs: Yigal Pinto (Amsterdam)
Jürgen Schrader (Düsseldorf)

10.30 - 11.00 Robert Jan Lamers (Amsterdam)
Exploitation of intellectual property into a commercial product.

11:00 – 11.20 Niko Klaasen (Den Haag)
View from the Government: Why should we stimulate scientific entrepreneurship?

11.20 - 11.40 Tim Schwarz (Rotterdam)
View from venture capitalist: why should we be interested in being a scientific entrepreneur?

11.30 - 11.50 Gerard Pasterkamp (Utrecht)
Some tips and tricks from the frontline; experience from a bench side scientist.

11.50 - 12.00 General Discussion

Poster Session

12.00 - 14.30 Poster session

Moderators (= Jury): **Chair:** Connie Bezzina (Amsterdam)
Members: Eric Schulze Bahr (Münster)
Leon de Windt (Maastricht)
Stefan Engelhardt (München)
Carol Ann Remme (Amsterdam)
Stefan Kääh (München)

13.00 - 14.30 Buffet Lunch

Friday 19-02-2010 P.M.

Session 4 The different Faces of Atherosclerosis: From aortic aneurysm to thin fibrous cap atheroma.

Chairs: Wim van der Giessen (Rotterdam)
Florian Limbourg (Hannover)

14.30 – 14.50 Jeroen Essers (Rotterdam)
Aortic aneurysms: lessons from mouse models.

14.50 - 15.10 Daniel Sedding (Gießen)
Atherosclerosis and vascular remodeling: New perspectives and therapeutic strategies.

15.10 - 15.30 Erik Biessen (Maastricht)
Macrophage diversity in the plaque.

15.30 - 15.50 Alma Zerneck (Würzburg/Aachen)
MicroRNAs in atherosclerosis.

15.50 – 16.00 General Discussion

16.00 - 16.30 *Break*****

Session 5 DGMC Young investigator session: “My perfect student”

Chairs: Toon van Veen (Utrecht)
Wolfgang Rottbauer (Heidelberg)

Members: Marie-Jose Goumans (Leiden)
Joachim Weil (Lübeck)

Presentations

(7 min presentation + 3 min discussion)

16.30 - 16.40 Ina Berger (Heidelberg)
16.40 - 16.50 Malin Jonsson (Utrecht)
16.50 - 17.00 Marc Hirt (Hamburg)
17.00 - 17.10 Roos Marsman (Amsterdam)
17.10 - 17.20 Milena Bellin (München)
17.20 - 17.30 Dennie Tempel (Rotterdam)

19:00 – 22:00 Social Event / Dinner

19:30 Start buffet

Saturday 20-02-2010 A.M.

Session 6 Cardiovascular Genetics of Arrhythmia's: Time to Deliver?

Chairs: Arthur Wilde (Amsterdam)
Stefan Kääh (München)

8.30 – 8.50 Charlotte van Noord (Rotterdam)
GWAS in cardiovascular medicine , what is the benefit, where do we go from here?

8.50 - 9.10 Stephan Luther (Göttingen)
RyR-receptor mutations and sudden cardiac death.

9.10 - 9.30 Tamara Koopmann (Amsterdam)
Understanding the role of DPP6 in predisposition to sudden cardiac death.

9.30 - 9.50 Moritz Sinner (München)
Genetics of Atrial Fibrillation.

9.50 – 10.00 General Discussion

10.00 – 10.30 *Break*****

Session 7 Molecular Determinants of Adverse Cardiac Remodeling

Chairs: Alain de Bruin (Utrecht)
Stefan Engelhardt (München)

10.30 – 10.50 Frederike Cuello (London)
PKD: a novel regulator of cardiac function and remodeling.

10.50 - 11.10 Paula da Costa Martins (Maastricht)
Preventing and reversing pressure overload-induced cardiac hypertrophy with an antagomir.

11.10 -11.30 Jan Fiedler (Hannover)
Role of microRNAs during cardiac remodeling.

11.30 -11.50 An Moens (Maastricht)
Mechanisms of eNOS uncoupling in heart failure.

11.50 – 12.00 General Discussion

Announcement of the Annual DGMC YIA and Poster Prize 2010

- 12:15** **Young Investigator Awards**
 Wolfgang Rottbauer (Heidelberg)
- 12:30** **Poster Awards**
 Connie Bezzina (Amsterdam)
- 12.45** **Closing Remarks**
 Eric Duckers (Rotterdam)
- 13.00** **Lunch & Adjourn**