

Directions to Sanquin Institute, Amsterdam, NL:



Day 1: Joint Dutch German vascular biology 21.11.2018

11:00-12:50: Welcome and Registration with Coffee and Tee

12:50-13:00: **Opening** by Jaap van Buul & Ferdinand le Noble

Key-note 1:

13:00-13:30: **Ralf Adams** (MPI, Muenster)

Molecular and cellular mechanisms controlling arteriogenesis

Chairs: [Christian Kupatt](#) (Munich) & [Peter Hordijk](#) (Amsterdam)

Symposium 1: interactions at the Neuro-vascular Interface

Sponsored by Forschergruppe 2325-NVI

Chairs: [Ralf Adams](#) (Münster) & [Alina Klems](#) (Karlsruhe)

13:30-13:50: **Christiana Ruhrberg** (UCL, London)

Novel sources of endothelial cells

13:50-14:10: **Jean-Léon Thomas** (Yale, New Haven)

New insights into the structure and function of the CNS lymphatic system

14:10-14:30: **Peter Vajkocy** (Charite, Berlin)

Role of ephrinB2 in mediating repair and regeneration of the CNS after stroke

14:30-14:50: **Benoit van Hollebeke** (ULB, Brussels)

Neurovascular development via Gpr124/Reck-dependent Wnt7/ β -catenin signaling

14:50-15:00: **Wiebke Herzog** (WWU, Münster) (selected talk)

Wnt/ β -catenin signaling regulates brain angiogenesis and blood-brain barrier formation by counteracting S1p signaling

15:00-15:30: Coffee break

Key-note 2:

15:30-16:00: **Jacco van Rheenen** (NKI, Amsterdam)

Intravital microscopy reveals the dynamic nature of cancer progression

Chairs: [Florian Limbourg](#) (Hannover) & [Stephan Huvneers](#) (Amsterdam)

Day 1: Joint Dutch German vascular biology 21.11.2018

Symposium 2: Cardiovascular Development – insights from zebrafish

Sponsored by EUFishBioMed (European society for Fish models in Biology and Medicine)

Chairs: [Ferdinand le Noble](#) (Karlsruhe) & [Coert Margadant](#) (Amsterdam)

16:00-16:20: **JanPhilipp Junker** (MDC, Berlin)

Massively parallel single cell lineage tracing

16:20-16:40: **Stefan Schulte Merker** (WWU, Münster)

Novel cell types in the brain lymphatic system

16:40-17:00: **Massimo Santoro** (UNIPD, Padova)

Hemodynamics and redox-signaling in vascular homeostasis

17:00-17:20: **Nadia Mercader Huber** (UNIBE, Bern)

Cardiac regeneration and specialized macrophage populations

17:20-17:30: **Liz Jones** (KU Leuven) (selected talk)

The disruption of ALK1-regulated Connexin37 expression by inflammation (TNFa) allows shunt enlargement in Hereditary Hemorrhagic Telangiectasia

17:30-17:40: **Laura C. Zelarayán** (UMG, Göttingen) (selected talk)

Cardiac SHISA3 expressing cells, a novel early vascular signature in the developing and failing heart

18:00-21:00: Poster Session @ The Pelidome

Food & Drinks & Music

(Posters can be mounted from 17.00 onward)

21:30: PhD Student networking event – for PhD students only !

Pre-registration required:

Contact: Sofia Morsing and Anne Ramms (S.Morsing@sanquin.nl and anne.ramms@kit.edu)

Challenging Activities In Downtown Amsterdam @ special location near Vondelpark !

Transport (& drinks) will be organized.

Day 2: Joint Dutch German vascular biology 22.11.2018

08:30-09:00: Welcome with Coffee and Tee

Key-note 3:

09.00-09.30: **Kari Alitalo** (Biomedicum, Helsinki)

Lymph-angiogenesis, novel insights and translational approaches

Chairs: [Stefan Schulte Merker](#) (Münster) & [Ton Rabelink](#) (Leiden)

Symposium 3: Hypoxia, metabolism and vascular adaptation

Chairs: [Rabea Hinkel](#) (Göttingen) & [Wolfgang Kübler](#) (Berlin)

09:30-09:50: **Stephane Germain** (College de France, Paris)

Angiopoietin-likes in ischemic cardiovascular remodeling

09:50-10:10: **Max Mazzone** (VIB, Leuven)

Macrophages in tumor angiogenesis, lymph angiogenesis and immunity

10:10-10:20: **Andrea Bähr** (TUM, Munich) (selected talk)

Inhibition of miR-123 converts pathologic to physiologic hypertrophy in pigs

10:20-10:30: **Carlie de Vries** (VU, Amsterdam) (selected talk)

Nuclear receptor Nur77 orchestrates macrophage metabolism to control inflammation

Key-note 4:

10:30-11:00: **Peter Carmeliet** (VIB, Leuven)

Angiogenesis revisited: role and (therapeutic) implications of endothelial metabolism

Chairs: [Jaap van Buul](#) (Amsterdam) & [Bodo Levkau](#) (Essen)

11:00-11:30: Coffee break

Symposium 4: Angiocrine signaling and local communication

Chair: [Cor de Wit](#) (Lübeck)

11:30-11:50: **Jörg Heineke** (UMM, Mannheim)

Gata's in cardiomyocyte – vessel crosstalk and cardiac remodeling

11:50-12:10: **Wolfgang Kübler** (Charite, Berlin)

Microvesicular regulation of endothelial permeability

12:10-12:30: **Amparo Acker Palmer** (Goethe Uni, Frankfurt)

Instructive roles of the vascular system in neuronal arborization

12:30-14:00: Lunch break @ Cantina Sānquina

Day 2: Joint Dutch German vascular biology 22.11.2018

Symposium 5: Hermann Rein & Rembrandt van Rhijn award

Sponsored by Servier &

German Society for Microcirculation and Vascular Biology

Chairs: [Boy Houben](#) (Maastricht) & [Henning Morawietz](#) (Dresden)

14:00-14:20: **Sofia-Iris Bibli** (Goethe Uni, Frankfurt)

Cystathionine γ lyase sulfhydrates the RNA binding protein HuR to preserve endothelial cell function and delay atherogenesis

14:20-14:40: **Kyoung-Jin Chung** (TU Dresden)

A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity

14:40-15:00: **Carla Winter** (LMU, Munich)

Chrono-pharmacological targeting of the CCL2-CCR2 axis ameliorates atherosclerosis

Key-note 5: Sponsored by the DGK

15:00-15:30: **Stefanie Dimmeler** (Goethe Uni, Frankfurt)

Non-coding RNAs in cardiovascular development and regeneration

Chairs: [Judith Sluimer](#) (Maastricht) & [Ralf Brandes](#) (Frankfurt)

15:30-16:00: Coffee break

= start of the Aletta Jacobs memorial symposium =====

Symposium 6: At the heart of the matter – Aletta Jacobs memorial

Sponsored by the DGK & Aletta Jacobs memorial committee

Chairs: [Kristina Lorenz](#) (Dortmund) & [Nadia Mercader Huber](#) (Bern)

16:00-16:20: **Eva van Rooij** (Hubrecht, Utrecht)

Systems biology approaches to decipher adverse cardiac remodeling

16:20-16:40: **Rabea Hinkel** (UMG & DPZ, Göttingen)

Diabetes and vascular adaptation in the ischemic heart

16:40-17:00: **Friederike Cuello** (UKE, Hamburg)

Regulation of protein kinase signaling the cardiovascular system

17:00-17:20: **Christine Mummery** (LUMC, Leiden)

iPS technology to study cardiomyocyte-vascular interactions

The Aletta Jacobs memorial - young investigator award session

17:20-17:30: [Introduction of Aletta Jacobs awardees](#)

17:30-17:40: **Miesje van der Stoel** (Amsterdam) (selected talk)

The Rho regulator DLC-1 controls endothelial dynamics by modulating contractile forces

Day 2: Joint Dutch German vascular biology 22.11.2018

17:40-17:50: **Mara Goetz** (Hamburg) (selected talk)

Nitroxyl mediates vasodilation by inducing an activating intradisulfide bond in the high affinity cGMP-binding site of PKGI α

17:50-18:00: **Maria Aburto** (Frankfurt) (selected talk)

Endothelial Dab1 signaling orchestrates Neuro-Glia-vessel communication in the CNS

Key-note 6

18:00-18:30: **Anne Eichmann** (Yale, New Haven)

Angiogenesis in Health and Disease

Chairs: [Liz Jones](#) (Leuven) & [Laura Zelarayán](#) (Göttingen)

==== End of the Aletta Jacobs memorial symposium =====

==== transfer to party location by bus (4 busses in front of Sanquin) =====

19:00 Bus departure

[Event Evening](#)

19.30h: Dinner

20.00h: Toward the absolute world top – an athlete's view

21.00h-21.10h: Hermann Rein award ceremony

21.11h-03.11h: open bar & DJ Nothing but Funk

Day 3: Joint Dutch German vascular biology 23.11.2018

08:30-09:00: Welcome with Coffee and Tee

Key-note 7:

09.00-09.30: **Christian Weber** (LMU, Munich)

Targeting inflammation in atherosclerosis

Chair: [Mat Daemen](#) (UvA, Amsterdam)

Symposium 7: Atherosclerosis, initiation, progression and treatment

Chair: [Mat Daemen](#) (UvA, Amsterdam)

09:30-09:50: **Eric Biessen** (CARIM, Maastricht)
Macrophage complexity in human atherosclerosis

Day 3: Joint Dutch German vascular biology 23.11.2018

09:50-10:10: **Oliver Söhnlein** (LMU, Munich)
Neutrophil – platelet interplay in atherosclerosis

10:10-10:20: **C. Bruikman** (UMC&LMUC, Amsterdam&Leiden)
Identification and Function of Netrin-1 Mutation in Premature Atherosclerosis

10:20-10:30: **Jenny BG de Bruijn** (CARIM, Maastricht)
Partial inhibition of the key glycolytic enzyme PFKFB3 in myeloid cells impacts whole body immune cell and liver metabolism, but not atherogenesis

Key-note 8

10:30-11:00: **Ziad Mallat** (PARCC & Cambridge)
Unraveling immune complexity in atherosclerosis
Chair: Oliver Söhnlein (Munich)

11:00-11:30: Coffee and Tea break

Key-note 9

11:30-12:00: **Dietmar Vestweber** (MPI, Münster)
Mechanisms regulating leukocyte diapedesis and endothelial junctions
Chairs: Stephan Huveneers (Amsterdam) & Jaap van Buul (Amsterdam)

Symposium 8: The Cell session – dynamics in the micro-universe

Chairs: Stephan Huveneers (Amsterdam) & Jaap van Buul (Amsterdam)

12:00-12:20: **Peter Hordijk** (VU, Amsterdam)
The push and pull of endothelial integrity

12:20-12:40: **Jaime Millan** (CBM, Madrid, Spain)
Homeostatic responses of the endothelial barrier to inflammatory signals

12:40-12:50: **Eloi Montanez** (LMU, Munich) (selected talk)
Parvins are required for adhesion and polarity of endothelial cells during blood vessel development

12:50-13:00: **Coert Margadant** (Sanquin, Amsterdam) (selected talk)
The RIN2/Rab5C complex regulates VEGFR2 sorting in early endosomes and is required for VEGF signaling, tip cell formation, and sprouting angiogenesis

13:00-14:00: Lunch break @ Cantina Sanguina

Symposium 9: Leukocytes in health and disease

Sponsored by SFB 914

Chair: [Markus Sperandio](#) (Munich)

14:00-14:20: **Lynn Hedrick** (La Jolla, CA)
Myeloid Cells in Cancer Metastasis

Day 3: Joint Dutch German vascular biology 23.11.2018

14:20-14:40: **Attila Mocsai** (Budapest)
Neutrophil signaling in autoimmune inflammation

14:40-15:00: **Ina Rohwedder** (LMU, Munich)
Regulation of neutrophil extravasation by Src family kinases

15:00-15:10: **Susanne Fleig** (MHH, Hannover) (selected talk)
Endothelial Notch signaling regulates renal and systemic inflammation

15:10-15:20: **Sofia Morsing** (Sanquin, Amsterdam) (selected talk)
Junctional integrity regulates leukocyte transmigration through the endothelial monolayer via rearrangement of VE-cadherin

15:20-15:30: **Roland Immler** (LMU, Munich) (selected talk)
PreImplantation factor: An embryo-derived peptide down regulates neutrophil recruitment *in vivo*

Key-note 10

15:30-16:00: **Klaus Ley** (La Jolla, CA)
The ApoB-specific CD4 T cell response in mice and humans
Chair: [Markus Sperandio](#) (Munich)

16:05-16:30: Prizes and Award Session

- EVBO-ESM travel awards (Boy Houben and Judith Sluimer: 4 prizes)
- Servier best poster award (Henning Morawietz: 1 price)
- Servier best oral communication award (Henning Morawietz: 1 price)