

10th REMBRANDT SYMPOSIUM

Program

09:00-09:30 Registration with coffee/tea

09:30-09:35 **Opening**
Carol Ann Remme (Amsterdam UMC)

09:35-11:15 **PLENARY SESSION 1**

09:35-10:05 **Keynote lecture 1: Prof. dr. Jaap van Buul (Sanquin)**
How the endothelium guides leukocytes on their way through the vessel wall



Jaap van Buul investigates how white blood cells migrate from the blood stream through the blood vessel wall to the infection site during an inflammatory reaction. The endothelial cells, the inner cell layer of the vascular wall, seem to play a crucial role in this process. Next to assigning a clear role to the migrating white blood cells in their attempt to pass through the vascular wall, it is the vascular wall itself that might play a much more prominent role. After all, the vascular wall manages to prevent the vessels from leaking whenever a white blood cell migrates through them.

Van Buul's lab investigates the molecular mechanisms that underlie this phenomenon. Van Buul will focus on implementing advanced microscopic techniques in functional cell biological processes, such as those described above.

10:05-10:20 **Gangqi Wang (LUMC):** Endothelial glycocalyx hyaluronan is required for glomerulr integrity and is determined by shear stress regulated glucobiosynthesis

10:20-10:35 **Jos van Rijssel (Sanquin):** Activation of the Trio-Rac1 axis mediates endothelial cell enlargement and artery outward remodeling

10:35-10:50 **Melissa Uil (Amsterdam UMC):** Ticagrelor-induced platelet inhibition attenuates diabetic nephropathy in mice

10:50-11:05 **Rio Juni (Amsterdam UMC):** Cardiac microvascular endothelial enhancement of cardiomyocyte function is Impaired by inflammation and restored by empagliflozin

11:05-11:15 **Dutch Cardiovascular Alliance**
Jolanda van der Velden (Amsterdam UMC)

11:15-12:30 **Poster presentations (odd numbers)**
Posters will be presented in the 'North Boulevard' and 'Sorbonne 8'

12:15-13:00 **Lunch**

13:00-14:45

PLENARY SESSION 2

13:00-13:30

**Keynote lecture 2: Prof. dr. Marieke Wermer (LUMC)
The diversity of stroke**



Marieke Wermer studied Pharmacy (doctoral degree 1998) and Medicine (doctoral degree 1998, doctoral exam 2000) at Utrecht University. In 2000 she started her training as a neurologist at the University Medical Center Utrecht. She obtained a master's degree in Clinical Epidemiology at the Netherlands Institute of Health Sciences in Rotterdam in 2004 and her PhD on the thesis "Long-term follow-up and screening of intracranial aneurysms" (supervisor prof. dr. G.J.E. Rinkel) in 2006.

From 2009 she has been a staff member at the neurology department at the Leiden University Medical Center where she combines patient care with education and scientific research. For her research into Cerebral Amyloid Angiopathy, migraine and stroke, she received various prizes and subsidies (Vidi, Clinical Established Investigator grant from the Dutch Heart Foundation, Fellowship of the Brain Foundation, Marie Paris Prize). In 2018 she was appointed professor of "Neurology, in particular neurovascular disorders" at Leiden University.

13:30-13:45

Renate Hoogeveen (Amsterdam UMC): Improved cardiovascular risk prediction using plasma proteomics in primary prevention

13:45-14:00

Niels Harlaar (LUMC): Massive expansion of native human atrial cardiomyocytes by immortogenetics: generation of the hiAM cell line

14:00-14:15

Anke Smits (LUMC): Harnessing epicardial-derived cells for myocardial repair: the importance of epithelial-to-mesenchymal transition

14:15-14:30

Gerard Marchal (Amsterdam UMC): Targeting the microtubule plus-end tracking EB1-CLASP2 protein complex modulates Nav1.5 specifically at the intercalated disc

14:30-14:45

Rohit Timal (LUMC): Prophylactic use of implantable cardioverter-defibrillators in the prevention of sudden cardiac death in dialysis patients the prospective, randomized, controlled ICD2 trial

14:45-16:00

Poster presentations (even numbers) with coffee/tea

Posters will be presented in the 'North Boulevard' and 'Sorbonne 8'

16:00-16:30

PLENARY SESSION 3: REMBRANDT PROJECT REPORTS 2015

Final report Rembrandt project 2015 - Dianne Vreeken (LUMC) & Caroline Bruikman (Amsterdam AMC): The role of neuro-immune guidance cues in atherosclerosis

16:30-16:50

PLENARY SESSION 4: AWARDS

16:30-16:40

Oral- and poster presentation awards 2019

Chairs: Yigal Pinto (Amsterdam UMC), Onno Holleboom (Amsterdam UMC)

- 16:40-16:45** **HeArt in Science award 2019**
Chairs: Carol Ann Remme (Amsterdam UMC), Jaap van Buul (Sanquin)
- 16:45-16:50** **Rembrandt project award 2019**
Chair: Paul Quax (LUMC)
- 16:50-17:00** **Closing remarks**
- 17:00-18:00** **Drinks**