

Working group for Atherosclerosis and Vascular biology

Professor Paul Evans FESC

March 4th 2020



Composition of nucleus



Prof. Magnus Back (Chair)

Dr. Marie-Luce Bochaton-Piallat (Vice-Chair)

Prof. Paul Evans (Past-Chair)

Dr Cecile Vindis (Treasurer)

Dr Jolanda Wentzel (Secretary)

Dr. Elena Osto (Web-editor)

Prof. Michael Shechter

Dr. Ingrid Dumitriu

Dr. Martin C. Harmsen

Ass. Prof. Rory R Koenen

Ass. Prof. Giuseppe Danilo Norata

Prof. Menno De Winther

Ex-Officio nucleus members

Assoc. Prof. Imo Hoefer, FESC

Ass. Prof. Daniel Ketelhuth

Prof. Esther Lutgens

Affiliated Nucleus Member

Dr. Christian M Matter FESC

Completed Activities 2019 - 2020

POSITION PAPERS

1. Ketelhuth DFJ, Lutgens E, Bäck M, Binder CJ, Van den Bossche J, Daniel C, Dumitriu IE, Hofer IE, Libby P, O'Neill L, Weber C, Evans PC. Immunometabolism and atherosclerosis: perspectives and clinical significance— A position paper from the working group on atherosclerosis and vascular biology of the European Society of Cardiology. *Cardiovasc Res.* 2019;115:1385-1392.

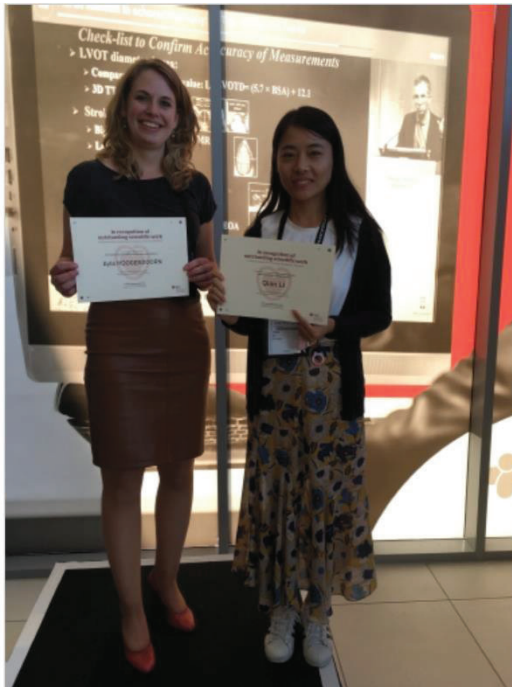
2. Tuñón J, Badimón L, Bochaton-Piallat M-L, Cariou B, Daemen MJ, Egido J, Evans PC, Hofer IE, Ketelhuth DFJ, Lutgens E, Matter CM, Monaco C, Steffens S, Stroes E, Vindis C, Weber C, and Bäck M on behalf of the ESC Working Group on Atherosclerosis and Vascular Biology. Identifying the anti-inflammatory response to lipid lowering therapy. A Position Paper from the Working Group on Atherosclerosis and Vascular Biology of the European Society of Cardiology. *Cardiovasc. Res.* 2019;115:10-19.

SATELLITE SESSIONS

1. ESC sponsored session 'Endothelial dysfunction' embedded within EVBO-ESM Congress, Maastricht, the Netherlands. Organiser: PC Evans. Chairs: PC Evans and M-L Bochaton-Piallat.

2. ESC sponsored session 'Imaging of the vulnerable plaque' embedded within EAS Congress, Maastricht, the Netherlands. Organiser: J Wentzel. Chairs: J Wentzel and M Back.

Awards at ESC Congress 2019



Working Group on Atherosclerosis and Vascular Biology Young Investigator 2019 Awardees: Ayla Hoogendoorn (left) and Qian Li (right).



2019
EuroPrevent
11-13 April - **Lisbon, Portugal**



EAPC
European Association
of Preventive Cardiology
European Society of Cardiology

Two Sessions proposed by the WG accepted:

☆ Targeting inflammation in atherosclerosis: burning questions				
Thu 11 Apr	08:30 - 10:00	Lipids	Symposium	Faro -

☆ Arterial stiffness: from bench to bedside				more
Fri 12 Apr	08:30 - 10:00	Basic Science	Symposium	Faro -

Ongoing and Future Activities 2020 - 2021

POSITION PAPERS

1. Alexander Y, Osto E, Schmidt-Trucksäss A, Shechter M, Trifunovic D, Duncker DJ, Aboyans V, Bäck M, Badimon L, Cosentino F, De Carlo M, Dorobantu M, Harrison DG, Guzik TG, Hofer I, Morris PD, Norata GD, Suades R, Taddei S, Vilahur G, Waltenberger J, Weber C, Wilkinson F, Bochaton-Piallat M-L and Evans PC. Endothelial function in cardiovascular precision medicine: A position paper on behalf of the European Society for Cardiology. Submitted to Cardiovascular Research.

(On behalf of the following European Society of Cardiology Working Groups: Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis).

2. Wentzel JJ, Dweck MR, Maurovich-Horvat P, Leiner L, Cosyns B, Fayad ZA⁶, Gijzen FJH, Van der Heiden K, Kooi ME, Maehara A, Muller J, Newby DE, Narula J, Pontone G, Regar E, Serruys PW, van der Steen AFW, Stone PH, Waltenberger J, Yuan C, Evans PC, Lutgens E, Bäck M. Contemporary rationale for Imaging Coronary Plaque Composition: Identifying the Vulnerable Patient. A Position paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. (In Preparation).

Ongoing and Future Activities 2020 - 2021

Symposium: single cell analysis in Atherosclerosis



ESC Working Group on Atherosclerosis and Vascular Biology

Thursday 23 April 2020 from 14:00 to 16:00 CEST , Budapest - Hungary 📅

Topic(s): *Atherosclerosis, Cerebrovascular Diseases, Aneurysm, Restenosis; Basic Science; Vascular Biology and Physiology;*

Preliminary Programme

Chairpersons:

1. Marie-Luce Bochaton-Piallat (University of Geneva, Switzerland)
2. Menno de Winther (Amsterdam UMC, The Netherlands)

Speakers:

1. Helle Jorgensen (University of Cambridge, UK)
2. Claudia Monaco (Oxford University, UK)
3. Michael Simons (Yale University School of Medicine, USA)
4. Holger Winkels (La Jolla Institute for Immunology, USA)
5. Seppo Ylä-Herttuala (University of Eastern Finland, Finland)

Sessions:

- Introduction - Magnus Back (ESC WG AtVB chairperson)
- Single cell dynamics of atherosclerotic lesions - Michael Simons
- Immune cells in atherosclerosis: one cell at a time - Claudia Monaco
- Single cell analyses of murine atherosclerosis to better understand human disease - Seppo Ylä-Herttuala
- Single cell analysis of atherosclerosis-relevant CD4 T cells - Holger Winkels
- Smooth muscle cell heterogeneity in vascular disease - Helle Jorgensen

WG Representation in the Stroke Council



An important opportunity to stress the importance of atherosclerosis and vascular biology in cerebrovascular disease

Joint session with the ATVB



Vascular Discovery: from Genes to Medicine Scientific Sessions 2020
May 5–7, 2020
Hilton Chicago | Chicago, IL

Concurrent Session II B: Vascular Immunity, Inflammation and Thrombosis

Organized in cooperation with the European Society of Cardiology

Immune Cell Communication in Atherosclerosis, Esther Lutgens, MD, PhD, Amsterdam, Netherlands

Oral Abstract Presentations

Joint session between the ATVB Council of the AHA and the WG on Atherosclerosis and Vascular Biology.

Discussion Point: How to handle interaction with the ATVB in the future. Through the Atherosclerosis and Vascular Biology WG or through the CBCS?