

# ESM Conference 2023 in Aarhus Denmark

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## Programme

Day 1: Monday April 24		
10.00 - 11.30	<b>ESM Board meeting</b>	
9.00 - 12.15	<b><u>Young investigator course:</u></b> <b><u>What you need to know about life in the arterial wall</u></b> - Free course for pregraduates, PhDs and postdocs (up to 3 years after PhD)	
10.00	<b>Registration opens</b>	
12.30	<b>Welcome and opening</b>	
13.15	<b>Plenary lecture: Cerebral blood flow</b> ‣ Chair: Eszter Farkas <b>The cerebral microcirculation: roles in oxygen transport and disease</b> ‣ Speaker: Leif Østergaard, Aarhus	Session 1.1
14.00	<b>Inflammation</b> ‣ Chairs: Ralf Brandes and Ana Briones <b>Title: TBC</b> ‣ Speaker: Thomasz Guzik, Glasgow <b>Contribution of oligodendrocyte precursor cells to cerebral small vessel disease</b> ‣ Speaker: Sebastien Foulquier, Maastricht	Session 1.2
	<b>Ischemia of the heart</b> Joint session with the Microcirculatory Society ‣ Chairs: Henning Morawietz and Kim Dora <b>Endothelial Pannexin modulates ischemic injuries</b> ‣ Speaker: Miranda Good, Boston <b>Coronary microvascular dysfunction in cardiac disease – an overview from the clinical perspective</b> ‣ Speaker: Eva Prescott, Copenhagen	Session 1.3
15.30	<b>Coffee break - posters and exhibition</b>	
16.30	<b>Plenary lecture: Metabolic regulation of exercise-induced angiogenesis</b> ‣ Chair: Karl Swärd <b>Vascular-macrophage crosstalk in the muscle</b> ‣ Speaker: Katrien De Bock, Zürich	Session 1.4
17.15	<b>Make your way to Town Hall</b>	
17.45 - 18.45	<b>Welcome reception at Town Hall</b>	



8.30		Session 2.1
	<p><b>Plenary lecture: Exercise to reverse microvascular dysfunction induced by age and lifestyle</b></p> <ul style="list-style-type: none"> <li>Chair: Stuart Egginton</li> </ul> <p><b>Exercise to reverse microvascular dysfunction induced by age and lifestyle</b></p> <ul style="list-style-type: none"> <li>Speaker: Ylva Hellsten, Copenhagen</li> </ul>	
9.15	Session 2.2	Session 2.3
	<p><b>Cerebral microcirculation, Alzheimer</b></p> <ul style="list-style-type: none"> <li>Chairs: Vladimir Matchkov and Søren Grubb</li> </ul> <p><b>Title: TBC</b></p> <ul style="list-style-type: none"> <li>Speaker: Anne Joutel, Paris</li> </ul> <p><b>Deciphering the vascular component of Alzheimer's disease</b></p> <ul style="list-style-type: none"> <li>Speaker: Marta Cortes-Canteli, Madrid</li> </ul>	<p><b>Obesity and the microcirculation</b></p> <ul style="list-style-type: none"> <li>Chairs: Tony Heagerty and Elena Osto</li> </ul> <p><b>Inflammation and resistance artery perivascular adipose tissue function in cardiovascular disease</b></p> <ul style="list-style-type: none"> <li>Speaker: Sophie Saxton, Manchester</li> </ul> <p><b>Endothelial cells at the spotlight of adipose tissue biology</b></p> <ul style="list-style-type: none"> <li>Speaker: Mariona Graupera, Barcelona</li> </ul>
10.45	<b>Coffee break - exhibition</b>	
11.15	Session 2.4	Session 2.5
	<p><b>Microcirculation of the eye</b></p> <ul style="list-style-type: none"> <li>Chairs: Jo DeMey and Henner Hanssen</li> </ul> <p><b>Retinal microvascular function and type 2 Diabetes: a vicious cycle</b></p> <ul style="list-style-type: none"> <li>Speaker: Boy Houben, Maastricht</li> </ul> <p><b>Regional variations in vascular lesions in diabetic retinopathy. Problem or advantage?</b></p> <ul style="list-style-type: none"> <li>Speaker: Toke Bek, Aarhus</li> </ul>	<p><b>Ion channels</b></p> <ul style="list-style-type: none"> <li>Chair: William Jackson</li> </ul> <p><b>Targeting Kv channels in pulmonary arterial hypertension</b></p> <ul style="list-style-type: none"> <li>Speaker: Angel Cogolludo, Madrid</li> </ul> <p><b>Rescuing Kv7 channel function in hypertension by targeting the microtubule network</b></p> <ul style="list-style-type: none"> <li>Speaker: Tom Jepps, Copenhagen</li> </ul>
12.45	<b>Lunch</b>	
13.15	<b>Posters and exhibition</b>	
14.30	Session 2.6	Session 2.7
	<p><b>Lymphatics</b></p> <ul style="list-style-type: none"> <li>Chair: Donna B. Bødtkjer and Helg Wiig</li> </ul> <p><b>Lymphatic endothelial heterogeneity in development and disease</b></p> <ul style="list-style-type: none"> <li>Speaker: Taija Mäkinen, Uppsala</li> </ul> <p><b>15-Lipoxygenase drives inflammation resolution and Treg trafficking in lymphedema</b></p> <ul style="list-style-type: none"> <li>Speaker: Barbara Garmy-Susini, Toulouse</li> </ul>	<p><b>Imaging and artificial intelligence</b></p> <ul style="list-style-type: none"> <li>Chairs: Gerry Meninger and Stefan Chlopicki</li> </ul> <p><b>Imaging microvascular stiffness of the brain</b></p> <ul style="list-style-type: none"> <li>Speaker: Dmitry Postnov, Aarhus</li> </ul> <p><b>Application of AI on medical images for prediction of cardiovascular risk</b></p> <ul style="list-style-type: none"> <li>Speaker: Alexios Antonopoulos, Oxford</li> </ul>
16.00	<b>Coffee break - exhibition</b>	
16.30		Session 2.8
	<p><b>Plenary lecture: Macro and microcirculation interaction</b></p> <ul style="list-style-type: none"> <li>Chair: Daniel Henrion</li> </ul> <p><b>Title: TBC</b></p> <ul style="list-style-type: none"> <li>Speaker: Stephane Laurent, Paris</li> </ul>	
17.15 - 18.30	<b>Cocktails and networking for young, middle aged, and senior scientists</b>	



7.30-8.15	<b>Young investigator course: Meet the editor</b>	
8.30		Session 3.1
	<b>Plenary lecture: Lipid messengers</b> ▶ Chair: Brant Isakson <b>Title: TBC</b> ▶ Speaker: Ingrid Fleming, Frankfurt	
9.15	Session 3.2	Session 3.3
	<b>Pulmonary microcirculation</b> ▶ Chairs: Ulf Simonsen and Francisco Prez-Vizcaino <b>Title: TBC</b> ▶ Speaker: Wolfgang Kübler, Berlin/Toronto <b>Ion channels in the pulmonary circulation in health and disease</b> ▶ Speaker: Andrea Olschewski, Graz	<b>Single cell mRNA analysis</b> ▶ Chairs: Joanna Kalucka and Susanne Fleig <b>Awakening vascular smooth muscle cells from quiescence</b> ▶ Speaker: Helle Jørgensen, Cambridge <b>The cardiac microcirculation in health and disease: novel insights by single cell analysis</b> ▶ Speaker: Stephanie Dimmeler, Frankfurt
10.45	<b>Coffee break - exhibition</b>	
11.15	Session 3.4	Session 3.5
	<b>Renal microvasculature</b> ▶ Chairs: Ina Schiessl and Charlotte Mehlin <b>Avenues for glycocalyx repair in the glomerular microcirculation</b> ▶ Speaker: Rebecca Foster, Bristol <b>Single cell and spatial mapping of kidney and cardiovascular fibrosis</b> ▶ Speaker: Rafael Kramann, Aachen	<b>Young investigator symposium</b> ▶ Chair: Christian Aalkjær
12.45	<b>Lunch</b>	
13.15	<b>Industry sponsored symposium or young investigator activity</b>	
14.15	Session 3.6	Session 3.7
	<b>Leucocyte adhesion and signaling</b> ▶ Chairs: Markus Sperandio and Dean Kavanagh <b>How leukocytes cross the vascular endothelial barrier: secrets revealed by high-end microscopy</b> ▶ Speaker: Jaap Van Buul, Amsterdam <b>Preventing Coronary Microcirculatory Disturbances Following Myocardial IR injury</b> ▶ Speaker: Neena Kalia, Birmingham	<b>Angiogenesis, vascular development</b> ▶ Chairs: Lopa Leach and Iain Greenwood <b>Organo-typical control of angiogenesis in the nervous system</b> ▶ Speaker: Ferdinand le Noble, Karlsruhe <b>Guidance of endothelial barrier formation</b> ▶ Speaker: Anne Eichmann, Paris, New Haven
15.45	<b>Coffee break - exhibition</b>	
16.15	<b>Posters, exhibition and drinks</b>	
18.00	<b>Prepare for conference party</b>	
19.00	<b>Conference party</b>	



8.30	<p style="text-align: right;">Session 4.1</p> <p><b>Plenary lecture: Angiogenesis</b>                  &gt; Chair: Ed van Bavel</p> <p><b>Making and breaking symmetry in vascular networks</b>                  &gt; Speaker: Holger Gerhard, Berlin</p>	
9.15	<p style="text-align: right;">Session 4.2</p> <p><b>Exercise, gender and the microcirculation</b>                  &gt; Chair: Cor de Wit and Ylva Hellsten</p> <p><b>Unpicking the drivers of activity-induced angiogenesis</b>                  &gt; Speaker: Roger Kissane, Liverpool</p> <p><b>The microcirculation and menopause – effects of exercise training</b>                  &gt; Speaker: Lasse Gliemann, Copenhagen</p>	<p style="text-align: right;">Session 4.3</p> <p><b>Cancer and the microvasculature</b>                  &gt; Chairs: Ebbe Bødtkjer and Nicola Brown</p> <p><b>Tumour microenvironment to improve immunotherapy</b>                  &gt; Speaker: Kebs Hodivala-Dilke, London</p> <p><b>Title: TBC</b>                  &gt; Speaker: Jackie Shields, Cambridge</p>
10.45	<p><b>Coffee break</b></p>	
11.15 - 12.30	<p style="text-align: right;">Session 4.4</p> <p><b>Malphighi lecture</b>  <b>JVR prize</b></p>	
13:30 - 17:00	<p><u><a href="#">Young investigator course: What you need to know about life in the arterial wall, followed by dinner</a></u></p>	

➤ [See the programme on the website](#)