

Joint Dutch German vascular biology meeting

Dear participant,

Please find below the details of your poster presentation at the Joint Dutch German Vascular Biology Meeting, November 21-23, 2018 in Amsterdam, The Netherlands.

Poster Session

Sanquin institute, the Pelidome

Nov 21, 2018

18:00 - 21:00 PM

Poster presentation hours: Presenters should attend their poster on the indicated day during the following presentation hours:

Odd numbered posters from 18:00 to 19:30

Even numbered posters from 19:30 to 21:00

For your poster number, see the table at the end of this document.

- 1) **Poster size and format:** Poster boards are 100 cm in width and 125 cm in height. Velcro hook coins will be available at the poster boards. Please use a poster material that is light enough to be secured with velcro.
- 2) **Header:** The poster should contain a header including the abstract title, all authors and their affiliations and your poster number (please see above). Your poster number, which is also your board number, should appear in the upper left corner of the header in Arial Black Font – 100 pt size.
- 3) **Poster session:** The poster session will be held from 18:00 to 21:00 on Wednesday (November 21) in the Pelidome. All posters will be presented that day.
- 4) **Poster presentation hours:** You should attend your poster at least for the indicated hour, according to the even/odd poster numbering (see below).
- 5) **Poster placing hours:** You may place your poster on your specified board between 13:00 and 18:00 on the day of your session, before the start of your session. Posters should be removed at the end of the poster session but no later than at 21:30. Posters left on the boards after 21:30 will be discarded.

Please notice that it is forbidden to photograph the posters or the poster presentations at the meeting.

If you have any questions regarding your abstract or registration, please feel free to contact Ed Eringa e.eringa@vumc.nl

We are looking forward to an exciting meeting, and warmly welcome you to Amsterdam!

The Organizing Committee,

Jaap van Buul

Ferdinand le Noble

Ed Eringa

Nr	Last name	Title
1	Abdel Rahman	Sphingolipids improve vascular barrier function and systemic blood pressure by reducing pericyte loss during LPS-mediated inflammation
2	Arias Alpizar/ Busmann	Identification and functional analysis of an endothelial cell type homologous to mammalian sinusoidal endothelium in the zebrafish embryo
3	Arias Alpizar	Unraveling the selective accumulation of unusual liposomes to the blood brain barrier in embryonic zebrafish
4	Asadi	TSAd regulates endothelial permeability during sepsis in vivo
5	Bakker	Fluid flow in the brain, role of paravascular spaces and hypertension
6	Berkholz	PML is strongly increased in atherosclerotic plaques of human coronary arteries
7	Bink	The role of long non-coding RNA TERRA in endothelial function
8	Boex	VitroGel 3D system for 3D cell culture of multiple cell lines
9	Bongiovanni	Investigating the biology of immature platelet
10	Bozoglu	Modification of rAAV surface to facilitate targeting endothelium
11	Brandt	Transcriptome analysis of microvascular endothelial-induced pericyte maturation
12	Brunssen/ Morawietz	Impact of cigarette smoke, next generation tobacco and nicotine products on the cytotoxic, oxidative and pro-inflammatory status of THP-1 cells
13	Brunssen/ Morawietz	Hypoxia upregulates NADPH oxidase 4-mediated hydrogen peroxide release by a HIF-independent mechanism in human endothelial cells
14	Dayang	NF- κ B and MAPK p38 regulation of LPS-mediated adhesion molecule expression in endothelial cells - heterogenic responses entering the stage.
15	Dekker	Microcirculatory perfusion disturbances following cardiac surgery with cardiopulmonary bypass are associated with in vitro endothelial hyperpermeability and increased angiotensin-2 levels
16	Demandt	Hematopoietic PHD3 deficiency increases atherosclerotic plaque size in mice
17	Denis/Kwak	KLF4-induced connexin40 expression contributes to arterial endothelial quiescence
18	Dolleman	The role of coagulation factors and platelets on microvascular integrity in atrial fibrillation: impact of NOACs
19	Driessen/Stassen	Jagged1-specific shear stress response for Notch signaling in endothelial cells
20	Fleig	Endothelial Notch signaling regulates renal and systemic inflammation
21	Fontaine	Barcoding in obese: who's at increased risk for the development of cardiovascular disease?
22	Forghany/Baker	Functional Analyses of a Human Vascular Tumor FOS Variant Identify a Novel Degradation Mechanism and a link to Tumorigenesis
23	Forghany	Control of endothelial cell tube formation by Notch ligand intracellular domain interactions with activator protein 1 (AP-1)
24	Gdula	Effect of selected purinoceptors agonists and antagonists on endothelial function in a simple or dual treatment approach
25	Germano	Definition of the core vertebrate Blood Brain Barrier transcriptome by comparing zebrafish and mouse

26	Geudens	Arterio-venous remodeling in the zebrafish trunk, a story of fate and force
27	Hahner	Nox4 promotes the differentiation of endothelial cells out of iPSCs via epigenetic modification
28	Hermkens	The protective function of intracranial endothelial cells in vascular cognitive impairment
29	Hoogendijk	Delineating endothelial cell responses in the context of the complex microenvironment by mass spectrometry
30	Hulshoff	Aortic stiffness in diabetes is contributed by endothelial-to-mesenchymal transition
31	Immler	Preimplantation factor: An embryo-derived peptide down regulates neutrophil recruitment in vivo
32	Juni	Cardiac microvascular endothelial cells improve cardiomyocyte contractile function: The role of pro-inflammatory stimulation and Empagliflozin treatment
33	Kaaij	The link between angiogenesis and osteogenesis in spondyloarthritis
34	Karampini	The role of longin-domain containing SNARE proteins in the formation and maturation of Weibel-Palade bodies.
35	Kassmann	Role of Ryanodine Type 2 Receptors in Elementary Ca ²⁺ Signaling in Arteries and Vascular Adaptive Responses
36	Kat	The Role of Rab-GTPases in Weibel-Palade Body Exocytosis and Angiogenesis
37	Klett	Cardioprotective effect of miR-92a inhibition in wildtype and diabetic pigs of hibernating myocardium
38	Jäger/Korff	Transition of vascular smooth muscle cell assembly from 2D to 3D triggers TGF-beta signaling and cellular quiescence
39	Kovacevic	The Cullin3-Rbx1-KCTD10 complex controls endothelial barrier function via K63-ubiquitination of RhoB
40	Kremer	The role of long noncoding RNA Meg8 in endothelial cell function
41	Kucharska-Jeucken	NIK-IKK complex controls NF- κ B-dependent inflammatory activation of the endothelium in response to LTPR ligation
42	Kutikhin	Calcium phosphate bios: a novel specific trigger of endothelial injury
43	Li/Kamps	Endothelium-targeted delivery of dexamethasone by anti-VCAM-1 SAINT-O-Somes in mouse endotoxemia
44	Louzao-Martinez	CMTM4 regulates angiogenesis by promoting cell surface recycling of VE-cadherin to endothelial adherens junctions
45	Lozano-Vidal	PNUTS: An RNA-binding protein shaping the balance of endothelial aging and homeostasis
46	Lynskey	Characterization of SAI 2692 Mutants as a Model of Arrhythmogenic Right Ventricular Cardiomyopathy
47	Malacarne	Cytochrome P450 reductase is important for endothelial function
48	Malinova	Asymmetric Endothelial Adherens Junctions for Angiogenesis
49	Manz	Pulmonary arterial endothelial cells from chronic thromboembolic pulmonary hypertension patients show enhanced primary hemostasis
50	Martin	How to build a polarized endothelial cell: non-centrosomal microtubules and not the centrosome control endothelial cell polarity and sprouting angiogenesis

51	Meyn	Involvement of DUBs in endothelial barrier function
52	Mittmann	The NLRP3 inflammasome controls neutrophil trafficking to malignant tumors
53	Monteiro	Loss of the long non-coding RNA MIR503HG promotes endothelial-to-mesenchymal transition during vascular remodelling
54	Nicholson	Vessels and astrocytes modulate dendritogenesis and hippocampal circuitry during development
55	Oo	Modulation of endothelial chromatin remodelling complexes by long noncoding RNAs
56	Padovan	The glycocalyx controls vascular thrombogenicity
57	Parma	Small molecule mediated inhibition of bFGF reduces in vivo angiogenesis and is a promising candidate to block intraplaque angiogenesis in atherosclerosis
58	Pawelke	PEMF Therapy: Therapeutic effects in leg lymphedema Stage two
59	Pham	Endothelial cell function is controlled by the age and shear stress regulated long non-coding RNA Aerrie
60	Pronk/Majolée	FBXW7 regulates endothelial barrier function by suppression of the cholesterol pathway and prenylation of RhoB
61	Quinonez	Elucidating the functional role of Hif during brain development
62	Rahman	Sphingolipids improve vascular barrier function and systemic blood pressure by reducing pericyte loss during LPS-mediated inflammation
63	Rohwedder	Src-Family Kinases promote neutrophil extravasation by regulating vesicle trafficking
64	Sanchez-Duffhues	Identification of Novel Macrocyclic ALK2 Inhibitors For Fibrodysplasia Ossificans Progressiva Using Patient-Derived Endothelial Colony Forming Cells
65	Sanders	The L1NC00961 locus regulates angiogenesis in human and mouse endothelium
66	Schmidt/de Wit	Preserved Cardiovascular Homeostasis Despite Blunted Acetylcholine-induced Dilation in Mice with Endothelial Muscarinic M3 Receptor Deletion
67	Schnitzler	Targeting lipoprotein(a)-induced endothelial cell metabolic reprogramming reverses inflammation and leukocyte migration
68	Segarra/Cop	Endothelial Dabi Signaling Orchestrates Neuro-glia-vessel Communication in the CNS
69	Sevinc/Aslam	Effects of interferon gamma on endothelial barrier function are modulated by priming for the classical signaling pathway
70	Sprott	Endothelial-specific Deletion of Autophagy Protein 5 attenuates ischemia-related Angiogenesis
71	Stanicek	The shear stress-induced long non-coding RNA LASSIE as a regulator of endothelial cell junctions
72	Steffen/Pruenster	Uromodulin as a modulator of inflammation
73	Szulcek	BMP9 phenotypically alters the lung microvascular endothelium in pulmonary arterial hypertension
74	Vacante	Characterization of the LncRNA miR143HG in the pathophysiology of atherosclerosis
75	Vaidya	Regulation of ABCA1-mediated cholesterol efflux by sphingosine-1-phosphate signalling in macrophages

76	van Broekhoven	Lipopolysaccharide-induced systemic inflammation induces aortic valve thickening in ApoE3*Leiden mice in time.
77	Van de Wouw	Alterations in Myocardial Oxygen Balance in Exercising Swine with Multiple Comorbidities
78	Van der Wijk	Extravasation of microspheres in a rat model of silent brain infarcts
79	Van Dijk	A novel microfluidic model of endothelial interaction with supporting pericytes, and extracellular matrix (ECM), in a 3D vessel structure
80	Van Kuijk	SMC- and pericyte-independent effect of PDGFB lacking its retention motif: leukocytosis, macrophage apoptosis and MMP activity promoted murine atherosclerotic plaque size and fibrosis
81	Van Leeuwen	Aprotinin restores microcirculatory perfusion in cremaster, but did not affect renal perfusion after cardiopulmonary bypass in rats
82	Van Rijssel	The GEF Trio reinforces vascular endothelial barrier integrity
83	Vreeken	Expression and Function of Ephrin Receptor B2 in Human Atherosclerosis: an Ligand Independent Guidance Cue.
84	Wang	Loss of endothelial glycocalyx hyaluronan impairs microvascular perfusion and induces excessive angiogenesis after femoral artery ligation
85	Yetkin-Arik	Differential role of metabolic pathways in the formation and functioning of tip cells during angiogenesis
86	Zhang/Petry	Stabilization of p22phox by hypoxia promotes pulmonary hypertension
87	Zhang/Van Gils	Loss of netrin-4 results in endothelial cell senescence
88	Ziogas	DHEA: Del-I axis is an immune-endocrine homeostatic pathway of leukocyte recruitment
89	Llaó Cid/Peguera Carré	A novel role of FLRT2 in the neurovascular interface
90	Gomez Puerto	The importance of autophagy in BMPRII degradation and its role in pulmonary arterial hypertension
91	Joly	Vascular regeneration in the optic tectum of the zebrafish
92	Kirchmaier	Dynamics of neurovascular interaction in the zebrafish embryo
93	Steinemann	Smyd1, a histone methyltransferase, interacts with PML nuclear bodies in endothelial cells
94	Hiden	Gestational diabetes alters microRNA signatures in human fetoplacental endothelial cells depending on fetal sex
95	Strutz	Gestational diabetes affects MIR-222-3P regulation of proliferation and sprouting in fetoplacental endothelial cells