

ESM-EVBO 2017

Poster Guided Tours



Wednesday, 31 May 2017: 16h30 - 18h00

4A + 4B

Chair: Urban Deutsch

Poster Nbre	Presenting Author	Title
PoB-01	Wang, Shengpeng	Integrating force and signalling for hypertension
PoB-02	Matic Perisic, Ljubica	Absence of pro-protein convertase subtilisin/kexin 6 increases flow-mediated outward remodeling in the mouse carotid artery.
PoB-03	Bloksgaard, Maria	Combined use of β -Blocker and Inhibitor of the Renin-Angiotensin System Decreases the Stiffness of Resistance Arteries from Cardiothoracic Surgery Patients
PoB-04	Meininger, Gerald	Dynamic Remodeling of the Cytoskeleton and Adhesion are Involved in Vascular Smooth Muscle Contraction and Relaxation
PoB-05	Polanczyk, Andrzej	A Non-Invasive Acquisition of Aortic Wall Parameters Using Fluid Structure Interaction (FSI) Model and In Vivo Measurements
PoB-07	Runge, Peter	A Software Tool for Automated Analysis of in vitro Lymphatic Endothelial Cell Tube Formation
PoB-08	Debreczeni, Béla Zoltán	Novel Therapeutic Modalities Improve Wound Healing In Reconstructiv Plastic Surgery: Potentail Role Of Microcirculation

4C

Chair: Jimmy Stalin

Poster Nbre	Presenting Author	Title
PoB-09	Uccelli, Andrea	PDGF-BB Prevents VEGF-Induced Aberrant Angiogenesis by Limiting Vascular Enlargement and Enabling Intussusception
PoB-10	Bovo, Emmanuela	PDGF-BB accelerates stabilization of VEGF-induced angiogenesis by stimulating endothelial Semaphorin3A expression and recruitment of Neuropilin1+ monocytes
PoB-11	Ludwinski, Francesca	The Viability and Pro-Arteriogenic Function of Monocytes is Maintained Following Alginate Encapsulation: Implications for Cell-Based Therapies in Limb Ischaemia
PoB-12	Purcell, Robert	The Protective Endothelial-Directed Actions of Resolvin D1 Require COX-1 and PPAR β/δ Activity
PoB-13	Wheeler-Jones, Caroline	Context-Dependent Regulation of Endothelial Cell Metabolism In Vitro: Differential Effects of VEGF-A and the PPAR β/δ Agonist GW0742
PoB-14	Payton, Nicola	The Therapeutic Effects of a Novel Glycomimetic on the Function of Endothelial Colony Forming Progenitor Cells Isolated From Patients With Diabetic Foot Ulcers
PoB-15	Campagnolo, Paola	Pericyte-Coated Tissue Engineered Scaffold for Improved Vascular Graft Endothelialization
PoB-16	Vara, Dina	Direct activation of NOX2 by 2-deoxyribose-1- phosphate triggers nuclear factor kappa B-dependent angiogenesis
PoB-17	Cerino, Giulia	Pericytes Accelerate the in vivo Angiogenesis in mm-Thick Engineered Tissues
PoB-18	Margariti, Andriana	Quaking is a Key Regulator of Endothelial Cell Differentiation, Neovascularization and Angiogenesis.
PoB-19	Alonso, Florian	Podosomes Mediate Basement Membrane Collagen-IV Proteolysis During Sprouting Angiogenesis
PoB-20	Brkic, Sime	EphrinB2/EphB4 Signaling Controls the Switch Between Normal and Aberrant Angiogenesis by VEGF in Skeletal Muscle
PoB-21	Grosso, Andrea	Coupling of Vascularization and Efficient Bone Formation in Osteogenic Grafts Requires VEGF Dose Control
PoB-79	Graupera, Mariona	The p110alpha/PI3K controls endothelial cell rearrangements during angiogenesis by stimulating MLC2 dephosphorylation

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5A

Chair: *Britta Engelhardt*

Poster Nbre	Presenting Author	Title
PoB-22	Jones, Elizabeth	Blood Flow Can Signal During Angiogenesis Not Only Through Mechanotransduction, But Also by Affecting Growth Factor Distribution
PoB-23	Boa, Beatriz CS	Exercise-Induced Interleukin 15 Regulates Insulin-Dependent Muscle Blood Flow
PoB-24	Brown, Nicola	Breast Cancer Metastasis To Bone: The Perivascular Niche
PoB-25	Stupin, Ana	Superoxide Scavenging in vivo Increases Endothelial Nitric Oxide Bioavailability in Sprague-Dawley Rats on a High Salt Diet
PoB-26	Haghighy Jahromi, Ned	A Novel Cervical Spinal Cord Window Preparation Allows for Two-Photon Imaging of T-Cell Interactions with the Cervical Spinal Cord Microvasculature During EAE
PoB-27	Stupin, Ana	Acute salt loading affects post-occlusive reactive hyperemia in skin microcirculation independently of blood pressure changes in young healthy men
PoB-28	Manchanda, Kashish	Myeloperoxidase Reduces the Endothelial Glycocalyx Thickness via Physical Interaction With Heparan Sulfate Side Chains
PoB-30	Jin, Hui	Microcirculatory Disorders and Protective Role of SOD in Severe Heat Stroke
PoB-31	Csató, Viktória	Oxidant activation of PKG controls vascular tone by regulating Ca ²⁺ spark frequency

5B + 7A + 7C

Chair: *Agnieszka Jazwa*

Poster Nbre	Presenting Author	Title
PoB-32	Kalna, Viktoria	The transcription factor ERG controls distinct TRANSCRIPTIONAL regulatory programs in the vascular ENDOTHELIUM and in prostate cancer cells
PoB-77	Sindi, Hebah	Anti-Inflammatory And Anti-Apoptotic Effects Of KLF2-Induced MIRS In Pulmonary Vascular Endothelium
PoB-43	Cossutta, MéliSSande	Weibel-Palade Body Exocytosis Regulated by VEGF Gradient Orchestrates Pericyte Coverage During Retinal Vascular Angiogenesis
PoB-44	Cioffi, Sara	VEGFR3 Overexpression Partially Rescues The Brain Vascular Defects Of TBX1 Mutants
PoB-45	Lyons, Oliver	Human Venous Valve Disease Caused by Mutations in FOXC2 and GJC2
PoB-59	Tomczyk, Mateusz	Splenic Ly6Chi Monocytes Contribute to Adverse Late Post-Ischemic Left Ventricular Remodeling in Heme Oxygenase-1 Deficient Mice
PoB-60	Santoro, Massimo	Real-time quantification of subcellular H ₂ O ₂ and glutathione redox potential in living cardiovascular tissues
PoB-61	Saldanha, Carlota	Biophysiological Role of Red Blood Cells in Microcirculation
PoB-62	Jin, Hui	Self-Report:Microcirculatory Disorders and Protective Role of SOD in Severe Heat Stroke
PoB-63	Tajadura, Virginia	β -Catenin Mediates the Anti-Apoptotic Effects of NO in Endothelial Cells

6B

Chair: *Christoph Scheiermann*

Poster Nbre	Presenting Author	Title
PoB-34	Soncin, Fabrice	Endothelial Cell Activation Is Regulated by Epidermal Growth Factor-Like Domain 7 (EGFL7) During Inflammation
PoB-35	Steffens, Sabine	The 2-arachidonoylglycerol/cannabinoid receptor 2 axis regulates bone marrow mobilization and myeloid cell recruitment after myocardial infarction
PoB-36	Marchetti, Luca	Cellular and Molecular Mechanisms Directing the Pathway of T Cell Diapedesis Across the Blood-Brain Barrier
PoB-37	Stadtmann, Anika	An Unexpected Role of L-selectin During Integrin Outside-In Signaling in Neutrophils
PoB-38	Block, Helena	Ly49Q and its Inhibitory Role in Integrin Activation and Leukocyte Recruitment
PoB-39	Mossu, Adrien	Modelling The Multi-Step Migration Of Human T Cells Across The Human Blood-Brain Barrier Under Physiological Flow In Vitro In A Novel Flow Chamber System
PoB-40	Sidibe, Adama	Angiogenic Factor-Driven Inflammation ADIn: Paradigm Of VEGF-Reprogramed Inflammation Of Tumor Vessels, Key For Extravasation Of Human Proangiogenic Mo
PoB-41	Lyck, Ruth	Extravasation of Metastatic Melanoma Cells across the Lung Endothelium: Differential Roles of Endothelial VCAM-1 and PECAM-1

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Chair: *Lothar Dieterich*

Poster Nbre	Presenting Author	Title
PoB-46	Guo, Xiaohua	Role of mDia1 and Src in Vascular Hyperpermeability Induced by Advanced Glycation End Products
PoB-47	van Rijssel, Jos	The RhoGEF Trio Controls Endothelial Cell-Cell Junction Stability Through Rap1 Activation
PoB-48	Dias, Mariana	Claudin 3-Deficient C57BL/6 Mice Display Intact Brain Barriers
PoB-49	Amado-Azevedo, Joana	A Large-Scale Screen Identifies TIAM2 and SYDE1 as Novel Regulators of the Endothelial Barrier Function
PoB-50	Majolee, Jisca	Cullin-3-mediated RhoB ubiquitination controls endothelial barrier function.
PoB-52	Singh, Mita	Dietary Sulforaphane from Broccoli Blocks Interleukin-1 Beta Enhancement of the Bradykinin Permeability Response
PoB-53	King, Ross	An Investigation Into the Role of Neutrophil-Derived TNF in Pathophysiological Microvascular Hyperpermeability
PoB-54	Pronk, Manon	The Role of F-box Proteins in Regulation of the Endothelial Barrier
PoB-55	Pronk, Manon	RhoB is an Important Negative Regulator of Endothelial Barrier Stability
PoB-56	Morsing, Sofia	The Endothelium in Control to Reduce the Risk of Transfusion Related Acute Lung Injury
PoB-57	Renault, Marie-Ange	Endothelial cell dysfunction is a new potential therapeutic target for the treatment of critical limb ischemia
PoB-58	van den Berg, Bernard	Loss Of Endothelial Glycocalyx Hyaluronan Upon Glycolytic Activation Results In Reduced Angiopoietin-1 Signaling And Vascular Destabilization
PoB-78	Aldirawi, Mohammed	Role Of Eplln During Neutrophils Adhesion And Transmigration Through Endothelium Under Flow