

Postersession 2 - 02.06.2023

No.	Microenvironmental Cues, Chair: Rajkumar Savai & Andreas Zeiher			
1	Adnot Group 1	Chronic Intermittent Hypoxia Leads to Disrupted Clock Gene Expression in Mouse Lung Tissues: Potential Implications for Lung Cell Senescence	Adnot, Gi	Teasersession 2
2	Afir, Yanis	Deletion of the Soluble Epoxide Hydrolase Impairs Intestinal Angiogenesis and Lacteal Development		
3	Amirmiran, Bardia	The role of the Secreted Modular Calcium Binding protein 1 (SMOC1) in myocardial infarction.	Brandes, GU	
4	Avci, Edibe	HDAC9 deficiency drives senescence-associated impaired lipid metabolism	Pullamsetti, BN	
5	Delgado Lagos, Fredy	Secreted modular calcium binding protein 1 is required for TGF- β -mediated resolution of inflammation	Fleming, GU	Teasersession 1
6	Drekolia, Maria	Endothelial cysteinolysis in age-related cardiac hypertrophy		
7	Elewa, Mohammed	Prostaglandin E2 signaling in cancer-associated fibroblasts suppresses pulmonary metastasis	Brüne/Weigert, GU	
8	Hachim, Salma	INO80 governs vascular smooth muscle cell contractility and metabolic activity	Braun, BN	
9	Hebchen, Maureen	NoxO1 and Erbin- a cooperation to control EGF signaling	Schröder, GU	
10	Jin, Young-June	Modification of endothelial histone H3 by protein kinase N1 links disturbed flow to proatherogenic gene expression	Offermanns, BN	
11	Kempf, Sebastian	sEH derived PUFAs affect pericyte-endothelial cell integrity in the diabetic heart	Fleming, GU	
12	Knöpp, Fenja	Cell-specific Deletion of Piezo1 in Smooth Muscle Cells partially protects against the Development of Pulmonary Hypertension	Weissmann, Gi	
13	Kyselova, Anastasia	Glutamine rewiring to proline biosynthesis is indispensable for endothelial cell proliferation	Bibli, GU	
14	Li, Muchen	Role of Uqcrh in hypoxic pulmonary vasoconstriction and pulmonary hypertension	Sommer, Gi	
15	Li, Rui	Endothelial FAT1 inhibits angiogenesis by controlling YAP/TAZ protein degradation via E3 ligase MIB2	Offermanns, BN	
16	Malacarne, Pedro Felipe	Endothelial cytochrome P450 reductase-derived cholesterol limits angiogenesis	Brandes, GU	
17	Mettner, Janina	Cystine import and catabolism regulates endothelial cell proliferation	Bibli, GU	
18	Naeem, Zumer	Role of lipid mediator in lymphangiogenesis and lymphatic maturation	Fleming, GU	
19	Panza, Paolo	The lung microvasculature promotes Alveolar Type 2 cell differentiation via secreted SPARCL1	Stainier, BN	Teasersession 2
20	Potaczek, Daniel	Modulation of LRP1, a lipid metabolism-related molecule, reverts profibrotic changes in lungs	Wygrecka, Gi	
21	Rezende, Flavia	The Omega Amidase Nit2 is a novel redox-sensitive key regulator of glutamine metabolism in endothelial cells	Brandes, GU	Teasersession 1
22	Roquid, Kenneth	Endothelial-derived PEAR1 induces tumor cell dormancy	Offermanns, BN	
23	Salik, Nazli	MICROENVIRONMENTAL CONTROL OF LUNG CANCER METASTASIS	Acker, Gi	
24	Sarode, Poonam	Integration of ATACseq and RNAseq identifies key regulators in lung tumor-associated macrophages	Savai, Gi	
25	Sirait-Fischer, Evelyn	A new role for the IL-1 family receptor antagonist IL-38 in lipid metabolism	Weigert, GU	
26	Teichmann, Tom	The nuclear Corepressor NCoR1 limits endothelial angiogenic function	Fleming/Brandes, GU	
27	Ukan, Ürün	Role of the soluble epoxide hydrolase (sEH) and secreted modular calcium binding protein (SMOC1) on macrophage polarization and resolution of inflammation	Fleming, GU	
28	Weigert, Andreas	Fibrocytes boost tumor-supportive phenotypic switches in the lung cancer niche via the endothelin system	Weigert, GU	
29	Zhou, Xiaozhou	Nuclear eNOS interacts with and S-nitrosates RNA-binding proteins to modulate endothelial gene expression	Fleming, GU	
	Macroenvironmental Cues & Interorgan Communication, Chair: Ralf Brandes & Norbert Weissmann			
30	Abplanalp, Wesley	Hematopoietic Mosaic Loss of Y Chromosome in Circulating Cells of Patients with Heart Failure Associates With Profibrotic Signaling Signatures from Single Cell RNA-Sequencing	Abplanalp, GU	Teasersession 2
31	Ayson, Joshua	CD8+ T cell subpopulation (Tc17) Induce a metabolic enriched tumor microenvironment enabling lung cancer progression	Savai, Gi	
32	Barboutsis, Spyridoula	‘Do not eat me’ LILRB4 signaling as a novel macrophage immunotherapy in lung cancer	Savai, Gi	Teasersession 2
33	Buschhaus, Christina	Does plasma CRP induced by major surgery inhibit the ATP-mediated monocytic IL-1 β release?	Grau, Gi	
34	Candoni, Martha	The impact of neonatal hyperoxia on iNOS signaling and consequences in adulthood	Sommer, Gi	
35	Cetin, Oeznur	Specific signals from Influenza infection induce tumor cell killing by orchestrating macrophage phenotype	Savai, Gi	
36	Cho, Haaglim	Endothelial adrenomedullin/G β signaling promotes insulin resistance in type-2 diabetes	Offermanns, BN	
37	Demiral, Aysegül	Impairment of mucociliary clearance after experimental stroke	Kummer, Gi	Teasersession 2
38	Deutscher, Janik	Effect of e-cigarette smoke inhalation on endothelial integrity in isolated ventilated and perfused mouse lungs	Sommer, Gi	
39	El-Merhie, Natalia	Compartment-specific collagen type IV (COL4) α -chain alterations could be associated with different COPD phenotypes	Kwapiszewska, Gi	
40	Ettischer, Luca	ATP-mediated release of interleukin-1 β by mononuclear phagocytes depends on P2X7 and P2X4 receptor activity	Grau, Gi	
41	Frömel, Timo	Genetic suppressor element (Gse) 1 in megakaryopoiesis and platelet production	Fleming, GU	
42	Garcia, Claudia	Cox4i2-dependent mitochondrial ROS release regulates inflammation and chronic smoke-induced murine emphysema	Sommer, Gi	
43	Jin, Jing	Endothelial FLRT2 regulates cerebellar neurogenesis	Acker-Palmer, GU	Teasersession 2
44	Kuznetsova, Irina	Role of tumor necrosis factor superfamily member 10 (TNFSF10) in SARS-CoV2-infection-associated lung damage	Herold, Gi	
45	Lakshmi, Vidya	Mitochondrial T cell reprogramming in virus-induced COPD exacerbation and emphysema progression	Weissmann, Gi	Teasersession 2
46	Leisegang, Matthias	Precise genomic binding of the SWI/SNF chromatin remodelling complex member BRG1 is dependent on long non-coding RNAs	Brandes, GU	
47	Liebner, Stefan	Decreased Wnt/ β -catenin signalling in brain endothelial cells contributes to Alzheimer’s disease.	Liebner, GU	
48	Malainou, Christina	Tumor necrosis factor superfamily member 14 (Tnfsf14) drives apoptosis of alveolar macrophages upon influenza A virus infection enabling the establishment of secondary pneumococcal pneumonia.	Herold, Gi	Teasersession 2
49	Mansouri, Siavash	Integrated analysis of DNA methylation and transcriptome revealed distinct metabolism patterns of tumor-associated macrophages in lung cancer	Savai, Gi	
50	Merten, Maximilian	Chronic heart failure associates with enhanced activation and clonal expansion of T cells with predictive autoreactive capacity: insights from scRNA-seq and flow cytometry	Dimmeler/Abplanalp, GU	