

CPI Retreat
Postersession 1 - 01.06.2023

No.	Cellular Plasticity & Heterogeneity, Chair: Iris Bibli & Nina Wettschureck			
1	Better, Julian	Neutrophil efferocytosis reprograms mitochondrial metabolism to lock alveolar macrophages in a pro-resolution phenotype at the expense of bacterial control	Herold, Gi	
2	Cherian, Anoop	The role of Tbx4 in lung disease and development	Pullamsetti, Gi	
3	Cui, Kai	Investigating the Role of Circadian Nuclear Receptors REV-ERBa/ β in Heart Function at the Single-Cell Level	Dierickx, BN	Teasersession 1
4	Hamarshah, Dima	Solitary chemosensory cells in the respiratory tract of man	Kummer, Gi	
5	Hesami, Golnaz	Impaired hematopoietic stem cells differentiation in <i>irg1</i> /itaconate deficient mice drives cardiovascular and pulmonary phenotype	Pullamsetti, Gi	
6	Hirani, Dharmesh	The Netrin1-Klf4 axis as an integrator of lung fibroblast homeostasis and a target for bronchopulmonary dysplasia and idiopathic pulmonary fibrosis	Alcazar, Gi	
7	Khassafi, Fatemeh	Multi-omics profiling unveils regulatory subgroups of PAH-associated right ventricular remodeling	Pullamsetti, Gi	
8	Kiliaris, Georgios	Mobilization of the mesenchymal niche in influenza virus induced lung injury	AG ElAgha, Gi	Teasersession 1
9	Köpke, Janine	Single cell characterization of stem cell heterogeneity and differentiation of adult large human airway epithelial stem cells	Samakovlis, Gi	
10	Kreher, Silke	Matrin3-based alternative splicing is indispensable for lymphangiogenesis	Braun, BN	Teasersession 1
11	Lan, Jie	The H2A.Z and NuRD associated protein HMG20A controls early head and heart developmental transcription programs	Hake, Gi	
12	Liang, Guozheng	Tenascin-X regulates vascular smooth muscle differentiation by inhibiting TGF- β signaling	Offermanns, BN	
13	Liu, Hang	Deciphering the role of SUV4-20H1 in heart development and congenital heart diseases	Braun, BN	
14	Mizikova, Ivana	The role of Itgam+ pulmonary macrophage populations in the pathogenesis and long-term effects of bronchopulmonary dysplasia	Alcazar, Gi	
15	Mura, Chiara	Regulation of Bronchioalveolar Stem Cells in health and disease	Braun, BN	
16	Ribeiro da Silva, Agatha	Egr3 promotes endocardial cell migration during atrioventricular valve formation	Stainier, BN	
17	Rivetti, Stefano	Impact of GPRC5A on myofibroblasts differentiation and fibrosis	Bellusci, Gi	
18	Salwig, Isabelle	Tumorigenic potential of bronchioalveolar stem cells in Kras-driven lung cancer	Braun, BN	
19	Sotoodeh, Leila	Identification of the origin of pulmonary hypertension-associated ACTA2 ⁺ vascular smooth muscle cells	Bellusci, Gi	
20	Wafaa, Mahmoud	The rare villin-expressing cell of the murine lower airway is a neuroendocrine rather than a tuft cell	Kummer, Gi	
21	Xu, Yanli	Transcriptomic analysis identifies the conserved directly downstream target of Hand2 during cardiac developmen	Stainier, BN	
22	Zabih, Mahsa	Role of lipofibroblasts in the development and resolution of pulmonary fibrosis	El Agha, Gi	
	Cellular Surveillance, Chair: Michael Kracht Liliana Schäfer			
23	Cordellini Emídio, Rebeca	Investigating the Mechanisms and Role of Intron Retention in TERT premRNA	Dumbovic, GU	
24	Dasadia, Yash	LC3B interactome in alveolar epithelial cells: novel insights of autophagy regulation in lung fibrosis	Mahavadi, Gi	
25	Giordano, Luca	Mitochondrial Cytochrome c Oxidase Subunit 4 Isoform 2 (Cox4i2) Plays an Essential Role in the Hypoxia-induced Reduction of the Electron Transfer System	Sommer, Gi	
26	Huber, Lisa Sophie	A20 binding and inhibitor of nuclear factor kappa B (NF- κ B)-1 (ABIN-1): a novel modulator of mitochondrial autophagy	Schäfer, GU	
27	Jakutis, Gabrielius	Using NMD-prone transgenes and an <i>Rfx</i> Cas13d effector to study transcriptional adaptation	Stainier, BN	
28	Juvik, Brian	Potential role of transcriptional adaptation in the cardiac long QT type 2 and Brugada syndromes		
29	Karantanou, Christina	Mitophagy controls endothelial quiescence and protein synthesis	Bibli, GU	Teasersession 1
30	Katariya, Bhavika	RNA – Autophagy interplay in diffuse parenchymal lung diseases	Mahavadi, Gi	
31	Keller, Luise	Localization-dependent function of lncRNAs in cardiovascular disease	Dumbovic, GU	
32	Kohnle, Caroline	The novel aging-induced long non-coding RNA MIRIAL controls endothelial cell and mitochondrial function	Boon, GU	
33	Korfei, Martina	Increased susceptibility to lung fibrosis by gammaherpesvirus infection in transgenic mice with conditional overexpression of the ER stress-factor Chop in alveolar epithelium	Günther, Gi	
34	Korfei, Martina	Conditional overexpression of Chop in alveolar epithelium protects transgenic mice from lung fibrosis induced by bleomycin	Günther, Gi	
35	Maroli, Giovanni	Deficiency of Smooth Muscle ADAR1 RNA Editing Exacerbates Vascular Remodeling and Pulmonary Hypertension	Pullamsetti, Gi	
36	Parmar, Bhavesh	Elucidation of upstream ORF-mediated translation regulation in humans.	Münch, GU	Teasersession 1
37	Richter, Katrin	Flotillins are required for the cholinergic control of ATP-mediated IL-1 β release	Grau, Gi	
38	Seroby, Vahan	The nuclear RNAi complex is required for transcriptional adaptation in <i>Caenorhabditis elegans</i>	Stainier, BN	
39	Sutandy, Reymond	DNAA1/HSF1 axis detects and activates the mitochondrial unfolded protein response	Münch, GU	
40	Wittig, Ilka	Maintenance on mitochondrial complexes ensures bioenergetic function in differentiated cells	Brandes, GU	
41	Zhu, Chaonan	CVD-associated SNPs with regulatory potential drive pathologic non-coding RNA expression	Krishnan, GU	
	Morphogenesis, Remodeling & Regeneration, Chair: Eli El Agha & Thomas Braun			
42	Adnot Group 2	Lung Elastin Dysregulation Leads to Lung Emphysema via Induction of Cell Senescence	Adnot, Gi	
43	Adnot Group 3	Induction of telomerase in p21-positive cells counteracts capillaries rarefaction and preserves lung function of aging mice	Adnot, Gi	
44	Ahmed, Nizam	Transcriptional regenerative reprogramming of cardiac stromal cells post cardiac injury	Reischauer, Gi	Teasersession 1
45	Betleja, Ewelina	Mesenchymal Stem Cell Therapy in Influenza-Induced Acute Lung Injury	Braun, BN	
46	Bögürücü-Seidel, Nuray	THE ROLE OF 2-OXOGLUTARATE HOMEOSTASIS IN TUMOUR INVASION AND METASTASIS	Acker, Gi	
47	Bonnavion, Remy	Loss of the endothelial CXCL12 decoy receptor GPR182 promotes recovery after myocardial infarction in mice	Offermanns, BN	Teasersession 1
48	Carpenter, Bryce	Circadian regulation of cardiac NAD ⁺ and metabolism by REV-ERBs in development and heart disease	Dierickx, BN	
49	Cilic, Anis	Adenylate kinase 4 pro-proliferative effect on pulmonary vascular cells in pulmonary hypertension	Weissmann, Gi	
50	Crnkovic, Slaven	Deconvolution of human pulmonary artery oxygen-sensing cell population in health and disease	Kwapiszewska	
51	Egea-Zorrilla, Alejandro	A profibrotic Notch signal derived from alveolar epithelial cells is essential for the development of pulmonary fibrosis	Pardo-Saganta, Gi	