

## Overview Poster Presentations

Wednesday 19 June 2024

Location: Blauwe Patio, first floor UMCG

POSTER BOARD	ABSTR NO	NAME	TITLE
<b>Exposures</b> <i>Moderators: Hermelijn Smits and Lidwien Smit</i>			
1	10	P.A. Saputra	Cigarette Smoke Exposure Activates the cGAS-Sting Pathway and Downstream Interferon Signaling in Mice
2	31	G.F. Vasse	Polyvinylchloride and polypropylene microplastics affect outgrowth of murine lung organoids
3	17	R. Fuentes-Mateos	Chronic exposure to cigarette smoke distorts epithelial progenitor cell differentiation
4	18	S. Qian	TRAPping the effects of smoking: the regulation of ACP5 expression in lung tissue
5	19	V. Violi	Cigarette smoke affects differentiation potential of lung epithelial progenitors by altering the WNT pathway
6	21	A. Faiz	Thymic Stromal Lymphopoietin (TSLP) Expression Is Restricted To Resting Basal Cells And Is Low In Current Smokers
<b>Exposures</b> <i>Moderators: Ali Önder Yildirim and Anne van der Does</i>			
7	23	A. Dehghani	Pregnancy exacerbates neutrophil responses in murine lungs after cigarette smoke exposure
8	34	A. Dehghani	Th2-biased immune response in offspring induced by maternal smoking exposure
9	25	R. Elferink	The lung fibroblast secretome supports alveolar organoid formation in the presence of cigarette smoke extract
10	5	R. Post	Nylon microplastics induce CXCL2 and CCL3 secretion in murine alveolar macrophages
11	16	J. De Volder	Interference with inflammatory responses in a mouse model of pollutant-aggravated allergic asthma
<b>Ageing</b> <i>Moderators: Mareike Lehmann and Jonathan Baker</i>			
12	20	R. Woldhuis	Senescence-induced and COPD-derived fibroblasts hamper human alveolar organoid formation
13	26	J. Viglino	Epigenetic age acceleration and severity of airflow limitation on blood and lung tissue in COPD patients
14	15	J. Viglino	The Gut-Airways Microbiome axis in COPD
15	28	N.J. Bekker	Differential miRNA expression in SEO-COPD is associated with altered lysosome, vesicular transport and ECM-related pathways
16	30	J. Tjepkema	Altered TGF- $\beta$ Induced Repair Response of Senescent Lung Fibroblasts

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<b>Asthma</b>			
<i>Moderators: Daan Pouwels and Elin Kersten</i>			
17	6	H. Wen	The nose mirrors asthma-associated gene expression profiles in the lower airway
18	8	T. Karp	Nasal gene expression in T2-low asthma
19	9	I. Mommers	Identifying comorbidities associated with switching patterns of asthma treatment: a real-world drug utilization study using the parametric g-formula
20	24	C.S. Koster	Sensory Neurons Support Mast Cell Differentiation In An In Vitro Co-culture Model
21	32	T. Kole	Nasal periostin expression is higher in asthma patients with versus without persistent airflow limitation
22	36	J. Vlasma	Interleukin-13 represses epithelial cell differentiation in primary bronchial epithelial cells from patients with asthma
23	39	H.J.L. Koefoed	Serum levels and genetic variants of CC16: Associations with asthma and lung function development in childhood and adolescence
24	35	S. Riemann	The protective role of testosterone and its precursors in asthma and asthma-related symptoms: cross-sectional findings from the Rotterdam Study
<b>ECM</b>			
<i>Moderators: Tillie Hackett and Reinoud Gosens</i>			
25	3	Y. Liu	In lung fibrosis osteoprotegerin, fibulin-1 and latent TGF $\beta$ binding protein 1 form a complex in the extracellular environment
26	11	Y.W. Fan	Collagen type VI $\alpha$ chain 1 levels were higher in the lung parenchyma of critically ill patients with persistent Acute Respiratory Distress Syndrome
27	27	L. Wang	Improving the 3D microenvironment of mesenchymal stromal cells for lung tissue repair in COPD
28	29	M.M. Joglekar	Chronic obstructive pulmonary disease extracellular matrix promotes tissue repair responses in fibroblasts

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<b>COPD</b>			
<i>Moderators: Rosa Faner and Huib Kerstjens</i>			
29	4	P. Pineda Villegas	MEOX2-Mediated Epigenetic Imbalance of PRC2-EZH2 Versus TRX-SNF5 Modulates Severity in COPD and Progression to Lung Malignancy
30	14	E.A.M.D. ter Haar	Endobronchial valve treatment improves diaphragm function in severe emphysema patients
31	12	E. Geervliet	Breathing Life into Innovation: Developing an Advanced COPD Lung Model for Therapeutic Discovery
32	13	D.F. Nugraha	Bone Morphogenetic Protein 6 Deficiency Distorts Wnt and Oxidative Stress Signaling in Lung Tissue
33	22	R. Wadhwa	Inhibition of succinate dehydrogenase reduces oxidative stress in lungs and ameliorates the pathogenesis of COPD in mice
<b>COPD</b>			
<i>Moderators: Barbro Melgert and Janette Burgess</i>			
34	33	W. Krimsky	Evaluation of Airway Mucosal Biopsy in Symptomatic Chronic Bronchitis Patients with Preserved Lung Function
35	37	S. Geirnaert	Increased presence of ferroptosis features in lungs of patients with Chronic Obstructive Pulmonary Disease (COPD)
36	40	A.L. Manzano-Covarrubias	Respiratory viral infections cause lipid peroxidation in lung epithelial cells
37	7	J. Fang	Extracellular vesicles from bronchoalveolar lavage fluid provide insights into the ICS treatment response in COPD
38	41	D. Li	TNF signaling plays a role in lipopolysaccharide (LPS) induced lung epithelial repair response