

1. Day - Wednesday, 5 July 2023

Poster Session 1 <i>19:30, Room: Foyer A1</i>	B cell subsets and immune regulation <i>Chairs: Ruben Fernandez-Santamaria, Manal Bel imam</i>
Changwan Hong Daniel Reyes	The role of aminoacyl-tRNA synthetase in B and T cell development and homeostasis Identification and characterization of antigen-specific B Cells using barcode enabled antigen mapping (BEAM)
Stephan Schneider Oscar van Hengel	Investigation of B-cells in allergy concordant and discordant twins Multi-dimensional analysis shows enhanced memory and regulatory B-cell clusters in humans living in rural areas with high parasite exposure
Minglin Yang	The role of differential expression of HR1 and HR2 on B cell subsets
Poster Session 2 <i>19:30, Room: Foyer A1</i>	T cells and immune regulation <i>Chairs: Zsolt Komlosi, Simon Borna</i>
Kirill Lotonin	Resistance of immunized SPF pigs to African swine fever virus challenge correlates with T-cell response
Nicole Pochert	Th2/Th17 driven immune response as an effect for seroma formation after breast cancer surgery – first results of the SerMa pilot study
Payam Shahi	Isolation and characterization of peptide-specific CD8+T cells using barcode enabled antigen mapping
Andrea Teufelberger	CD8+ T cells: a possible key to long-term tolerance in patients undergoing venom immunotherapy
Lu Yao	Microbial-derived tryptophan metabolites selectively influence cytokine secretion by polarized human lymphocytes
Carina Beha Alessandra Ruggia Tobias Wertheimer	Characterisation of prenylated proteins in T helper 1 cells Challenging the current view of protein prenylation sites IL-23 stabilizes an effector Treg program in the tumor microenvironment
Poster Session 3 <i>19:30, Room: Foyer A1</i>	Innate immunity I <i>Chairs: Sebastian Wawrocki, Yasutaka Mitamura</i>
Daniel Crepaz Pia Fehrenbach	Patterns of eosinophil activation in response to distinct microbial species Immunoprofiling of peripheral blood mononuclear cells of patients with bone fracture to diagnose bone healing complications
Marta Fortunato	The pro-inflammatory signature in patients with lysosomal storage disorders does not prevent the induction of tolerogenic DC-10
Fadi Jebbawi	Eosinophils in insect bite hypersensitivity: inflammatory phenotype associated with disease severity
Juan Felipe Lopez	Ascaris lumbricoides infection activates type 2 peripheral blood innate lymphoid cells and mast-cell degranulation pathways
Sofia Papavasileiou	Single-cell omics-based characterization of human basophils reveals a transcriptionally polarized cell population
Leticia Martin-Cruz	A tumor-associated heparan sulfate-related glycosaminoglycan promotes the generation of functional regulatory T cells
Poster Session 4 <i>19:30, Room: Foyer A1</i>	Epigenomics and transcriptomics in immune regulation <i>Chairs: Elena Barletta, Jana Koch</i>
Tanzeela Hanif Mechthild Lütge	Tonsillar gene expression shows distinct immune response in respiratory virus infection Functionally distinct populations of fibroblastic reticular cells build the perivascular niche in human lymph nodes
Srinidhi Sudharson	Identification of nasal provocation-associated cellular responses occurring in birch pollen allergic individuals through a systems biology approach
Ming Wang	Role of microRNAs in the regulation of mucosal type 2 inflammation in chronic rhinosinusitis with nasal polyps

19:30 **Poster presentations of workshops 1 - 3**, Room: Main Corridor

2. Day - Thursday, 6 July 2023

Poster Session 5	Diagnosis, description and treatment of immune disorders
19:30, Room: Foyer A1	Chairs: Sena Ardicli, Nadine Herrmann
Pascal Gasser	Anti-allergen antibodies for improving safety, speed, and efficacy of peanut immunotherapy
Marcela Hortova Kohoutkova	Functional changes of monocytes and neutrophils as early markers of septic shock severity
Celeste Huaman	Control of established, CNS-resident lyssavirus infection by a CD4 T cell dependent immune response stimulated by single-dose monoclonal antibody therapy
Sercan Keskin	Immunological characterization of single-chain variable fragment (scFv) specific for nucleocapsid protein (NP) of Crimean-Congo hemorrhagic fever virus (CCHFV); a novel reagent for diagnosis and identification
Pascal Krenger	Influence of antigen density and TLR ligands on preclinical efficacy of a VLP based vaccine against peanut allergy
Margot Starrenburg	Longitudinal analysis of immunological parameters during treatment with dupilumab or cyclosporin in children with atopic dermatitis
Ayla Yalamanoglu	Immune cell hyperresponsiveness to cytokine-induced JAK-STAT pathway activation in human sarcoidosis
Zahava Vadasz	CD72-semaphorin3A axis: a new regulatory pathway in Systemic Lupus Erythematosus

Poster Session 6	Allergy and Asthma I
19:30, Room: Foyer A1	Chairs: Anouk von Borstel, Philippe Gevaert
Jozefien Declercq	The role of chitin and chitinases in house dust mite driven allergies
Nontobeko Mthembu	Transcriptomic approach on the early development of severe asthma
Schmaiel Shirdel	Early life dysbiosis increases airway hyperresponsiveness in mice
Elke Vandewalle	Postoperative doxycycline improved wound healing and reduced local nasal inflammation in Chronic Rhinosinusitis
Marit Zuurveld	The HMOS 2'FL and 3FL prevent house dust mite induced proinflammatory cytokine release in vitro and decrease HDM-specific IgE in an allergic asthma murine model
Marit Zuurveld	Human milk oligosaccharides 3'SL and 6'SL suppress airway hyperreactivity, while only 3'SL also reduces airway inflammation in a murine allergic asthma model
Elena Barletta	Mass spectrometry-based identification of allergen proteins involved in seafood related allergic reactions
Céline Leboeuf	Intranasal treatment with the bacterial lysate OM-85 : evidences for immune training protection against acute allergic airway inflammation

Poster Session 7	Epithelial barrier integrity
19:30, Room: Foyer A1	Chairs: Duygu Yazici, Na Sun
P. Abigail Alvarado-Vazquez	Mast cell-derived CXCL1 promotes bronchoalveolar CXCR2+ T-cells in mice with IL-33-induced airway inflammation
Paolo D'Avino	Investigation of the mechanism of the type-2 inflammation-induced barrier dysfunction in ex-vivo human skin model
Ismail Ögülür	Biomarkers of epithelial barrier leakiness in healthy subjects
Xueyi Zhu	Effects of Cycloastragenol on asthmatic mice and airway organoids

19:30 **Poster presentations of workshops 4 - 7**, Room: Main Corridor

3. Day - Friday, 7 July 2023

Poster Session 8	COVID-19 and SARS-COV-2
19:30, Room: Foyer A1	Chairs: Damir Zhakparov, Özge Ardicli
Jozefien Declercq	Repeated mRNA vaccination induces respiratory mucosal virus neutralizing antibodies in the absence of mucosal antibody secreting cells
Peter Pennitz	Interspecies analysis to dissect transcriptomic signatures of humans and hamsters in COVID-19
Shaufa Shareef	Proteomic analysis of COVID-19 disease progression: A pilot study
Poster Session 9	Epithelial barriers: mechanisms of disruption
19:30, Room: Foyer A1	Chairs: Yagiz Pat, Christoph Schneider
Tine Wils	Limited evidence for the presence of neuroendocrine cells in the nasal mucosa
Xiangting Bu	Nasal organoid
Jorge Parrón-Ballesteros	In vitro mimicry of chronic epithelial barrier disruption to study the role of Short Chain Fatty Acids in allergy
Jasmijn Schrupf	Epithelial wound repair is increased by farm dust in a co-culture model of airway epithelial cells and macrophages
Na Sun	Food emulsifiers κ -, λ - and ι -carrageenan disrupt intestinal epithelial barrier integrity on a gut-on-a-chip model
Nicholas Vogler	PM2.5 and Chromium-6 Exposure of 3D Bronchial Epithelial Cell Models
Poster Session 10	Allergy and Asthma II
19:30, Room: Foyer A1	Chairs: Cansin Sackesen, Oral Alpan
Manal Bel imam	Identification of circulating biomarkers for the differentiation of active versus inactive eosinophilic esophagitis
Alp Kazancıoğlu	Heterogeneity of lipid transfer protein sensitivity in children via a broad panel of allergen molecules
Marina Labella	Diagnostic basophil activation test accuracy for platin salts and taxanes hypersensitivity
Daria Luschkova	Which factors affect allergenicity of birch pollen and associated health effects
Yifan Meng	Naso-ocular neuropeptide interactions in allergic rhino-conjunctivitis, allergic rhinitis, and allergic conjunctivitis
Elif Yayıcı	The electrical impedance spectroscopy shows the skin epithelial integrity changes during Dupilumab treatment in a child with severe atopic dermatitis
Simon Zinkhan	On the role of allergen-specific IgG subclasses for blocking basophil activation
Poster Session 11	Innate immunity II
19:30, Room: Foyer A1	Chairs: Juan Lopez, Ismail Ogülür
Nadine Herrmann	TLR2 impairment in desensitized Langerhans cells by negative regulators SOCS1 and IRAK-M
Marcin Surmiak	Role of extracellular vesicles in neutrophil and endothelial cell activation - possible link to the pathophysiology of granulomatosis with polyangiitis
Marcin Surmiak	HL-60 cells as a model cell line to study neutrophil-derived extracellular vesicles miRNA profile
Jingcheng Dong	The effect of various traditional Chinese medicine (TCM) components on the regulation of the inflammatory/anti-inflammatory balance in asthma
Jose A. Villegas Vazquez	How to get the nuclear alarmin IL-33 out of a fibroblast? Is cell death the way out?

19:30 **Poster presentations of workshops 8 - 13**, Room: Main Corridor