

1. Day - Wednesday, 13 March 2024

Poster Session 1 <i>20:00, Room: Foyer A1</i>	B cell subsets and immune regulation <i>Chairs: Sena Ardicli, Elias Toubi</i>
Ozge Ardicli	Optimizing flow cytometric analyses of B-Cell receptor immunoglobulin heavy chain isotypes: A comprehensive evaluation of Fc receptor blocking strategies and their impact on detection accuracy
Hannah Bradford	Thioredoxin: a metabolic rheostat controlling regulatory B cells
Juan Felipe Lopez	Evaluation of PLA-2-specific B cell immune response in beekeeperse
Zara Baig	Immunoregulatory double negative B cells suppress cytotoxic T cell function in renal cell carcinoma
Minglin Yang	The role of differential expression of HR1 and HR2 on B cell subsets
Matthias Schaefer	Mining immunological memory from previous generations
Lili Shi	The effect of tryptophan metabolite on the Breg differentiation and IL-10 production in vitro
Poster Session 2 <i>20:00, Room: Foyer A1</i>	Epithelial barrier and microbiome <i>Chairs: Duygu Yazici, Yagiz Pat</i>
Paolo D'Avino	Decoding skin responses: Unraveling the impact of type 2 and IL-22 Cytokines on the human skin
Ibrahim Hamad	Gut microbiota boosts antitumor immunity through modulation of myeloid-derived suppressor cells
Manru Li	Investigation of the detailed mechanisms of skin barrier dysfunction caused by household dishwasher detergents
Marit Zuurveld	Butyrate interacts with the effects of 2'FL and 3FL to modulate in vitro ovalbumin-induced immune activation, and 2'FL lowers mucosal mast cell activation in a preclinical model for hen's egg allergy
Huseyn Babayev	Deciphering the dynamics of blood microbiome: Influence of physiological conditions and correlations with mucosal microbiota
Poster Session 3 <i>20:00, Room: Foyer A1</i>	Allergy and Asthma: Anaphylaxis and inflammation <i>Chairs: Anders Funch, Steve Pascolo</i>
Marilina Antonelou	Therapeutic myeloperoxidase inhibition attenuates neutrophil activation, ANCA-mediated endothelial damage and crescentic glomerulonephritis
Andrea Teufelberger	Mast cells change their secreted cytokine profile from pro-inflammatory to pro-tolerant upon IL-33 exposure
Miao-Hsi Hsieh	Exosomal let-7-mediated regulation of lipid metabolism in foamy macrophage of chronic obstructive pulmonary disease (COPD)
Maryam Jafari	Shedding of CD62L is delayed in blood neutrophils from patients with CRSwNP
Jasper Kamphuis	Impact of ageing on the severity of IgE-, Mrgprb2-, and histamine-mediated anaphylaxis in mice
Manal Bel imam	B cells in eosinophilic esophagitis
Adriana Ariza	Prospective study to analyze the synergistic effect of amoxicillin and lipopolysaccharide in basophil activation to improve the diagnosis of IgE-mediated hypersensitivity reactions to amoxicillin
Rabia Ülkü Korkmaz	Unraveling the immunomodulatory potential of cow shed dust extracts: Insights into asthma protection
Ruben Fernandez-Santamaria	Novel design and evaluation of amoxicillin-decorated nanoparticles in basophils from allergic patients and healthy donors

20:00 **Poster presentations of workshops 1 - 3**, Room: Main Corridor



2. Day - Thursday, 14 March 2024

Poster Session 4	Immunotherapy
<i>20:00, Room: Foyer A1</i>	<i>Chairs: Jens Geginat, Anna Olewicz</i>
Edouard Baulier	The bacterial lysate OM-85 engages Toll-like receptors 2 and 4 triggering an immunomodulatory gene signature in human myeloid cells
Olivier Donzé	Long acting and highly active monomeric and heterodimeric interleukins fused to Fc (KIH-Technology). case study: IL-2 (human) (monomeric):Fc (human)-KIH & IL-27 (mouse):Fc (human)-KIH
Sigrídur Jónsdóttir	Allergen specific immunotherapy (AIT) with Culicoides recombinant allergens resulted in decreased in vitro sulfidoleukotriene release in basophil activation test
Johanna Geisler	Equine insect bite hypersensitivity: study of the molecular response after preventive allergen immunotherapy followed by natural allergen exposure
Pascal Gasser	Antibodies against peanut allergens can act synergistically with allergen immunotherapy
Poster Session 5	Immune regulation, tissue repair and tumors
<i>20:00, Room: Foyer A1</i>	<i>Chairs: Paola Martinez Murillo, Juan Felipe Lopez</i>
Camilla Tondello	The XCL1/XCR1 chemokine axis is upregulated in human type 1 diabetes and its disruption tips the T cell balance and ablates the beta-cell damage in a mouse model
Wen Peng	Endothelial Tgfbeta1 instructs lung interstitial macrophage differentiation and identity via Tgfbeta receptor-dependent pathway
Glenn De Lange	Eosinophils have a distinct transcriptional signature in colorectal cancer patients
Ignacio Heras	Immunotherapy with natural conventional TYPE-1 dendritic cells excels at immune memory induction to eradicate cancer relapse
Nicholas Dopkins	Endogenous retroelement expression in modeled airway epithelial repair
Melissa Klug	High-Plex Co-Detection of RNA and protein to explore tumor-immune interactions utilizing RNAscope with imaging mass cytometry
Poster Session 6	Infections, pathogenesis and immune responses
<i>20:00, Room: Foyer A1</i>	<i>Chairs: Sarah Adamo, Miro Raeber</i>
Greg Kirchenbaum	Next-generation B cell ImmunoSpot® assays permit in-depth assessment of the B cell response elicited by SARS-CoV-2 infection and/or COVID-19 mRNA vaccination
Laura Ceglarek	Longitudinal characterization of IL-2 and IL-7 receptors in humans shows protracted changes after acute viral infection
Mario Noti	Early life synbiotic intervention with Bifidobacterium infantis and HMOs promote protection from viral airway infection
Ozlem Goksel	Practical in vitro and ex vivo models for investigation of Nafamostat Mesylate administration on Influenza Type A infection
Theresa Pankhurst	Establishing a pre-clinical vaccine testing pipeline to improve vaccine efficacy in older individuals
Sara Kraker	The nasal-associated lymphoid tissue is the first secondary lymphoid organ supporting antiviral immunity against coronaviruses
Rosemarie Preyer	Solutions for quantifying cytopathic effects after viral infection in vitro
Rosemarie Preyer	Stepping up in immunomonitoring - EliSpot five colour cytokine release Assay

20:00 **Poster presentations of workshops 4 - 6**, Room: Main Corridor

3. Day - Friday, 15 March 2024

Poster Session 7 <i>20:00, Room: Foyer A1</i>	Omics methods in immune regulation <i>Chairs: Maria Jenmalm, Phad Ganesh</i>
Melissa Klug	A comparison of 37+ immune populations in whole blood by CyTOF flow cytometry collected with 4 different preservation reagents
Nicolo Marchi	A new platform for the generation of engineered extracellular vesicles as drug-delivery system to target the immune response
Xiao-Jun Ma Selket Delafontaine	Immune profiling of autoimmune diseases with NULISAseq™ 250-Plex Inflammation Panel Heterozygous mutations in the C-terminal domain of COPA underlie a complex autoinflammatory syndrome
Bibin Yesodha Subramanian Ahmed Al-Kaabawi Laetitia Clauss	Extracellular vesicles in the regulation of neutrophil dysfunction during malaria Isolation and characterization of breast milk extracellular vesicles Investigation of anaphylaxis in mastocytosis mouse models
Poster Session 8 <i>20:00, Room: Foyer A1</i>	Epithelial barrier regulation <i>Chairs: Ruben Fernandez, Maciej Chalubinski</i>
Yagiz Pat	Transcriptomic analysis of epithelitis caused by Aspartame
Yagiz Pat Anna Olewicz Maria Asuncion Garcia-Sanchez Duygu Yazici	Synergistic effect of air pollution and type 2 inflammation on nasal epithelial cells Serum levels of Meteorin-like/Metrnl in patients with morphea Understanding how non-nutritive sweeteners affect the gut barrier Disruption of intestinal epithelial barrier integrity by food emulsifiers: Carrageenans' Impact
Poster Session 9 <i>20:00, Room: Foyer A1</i>	T cell subsets, immune regulation and tissue responses <i>Chairs: Ozlem Yesil Celiktas, Urs Christen</i>
Clarissa Prazeres da Costa	Lipid mediators as novel regulators of Treg cell development with distinct features to maintain immune tolerance
Monika Brunner-Weinzierl	SLAMF7 on CD8+ T cells adjusts cytotoxic effector populations in responses to low antigenic activation
Nariaki Asada	Type I interferon induces distinct transcriptome and drives cytotoxicity in both CD4 and CD8 T cells in immune mediated diseases
Sena Ardicli Ezgi Irem Bektas	The influence of novel bone materials on immune /inflammatory pathways Investigating the role of neutrophils in biomaterials-driven immunomodulation and MSCs Osteogenesis in vitro
James King Lisa Kurz	Bcl-2 supports survival and metabolic fitness of quiescent tissue-resident ILC3 Common progenitor of fibroblastic reticular cells and vascular smooth muscle cells in murine lymph nodes
Elina Bugar Charlotte Viant	Gremlin 1 and 2 regulate the differentiation of fibroblastic reticular cells in lymph nodes Targeted PD1 agonism in the immune synapse leads to durable immune modulation

20:00 **Poster presentations of workshops 7 - 12**, Room: Main Corridor