

Poster Session 1		COVID-19 and Immunology
17:35	<i>Chairs/Discussants:</i>	<i>Urszula Radzikowska, Ahmet Kürsat Azkur</i>
P01	Tamar Tak	Cytokine responses to TLR agonists are correlated with disease severity and outcome in COVID-19 patients
P02	Iker Inanc Balkan	Flow cytometric analysis of lymphocyte subsets of COVID-19 patients from a single centre in Turkey
P03	Ilker Inanc Balkan	Vitamin D treatment regulates biochemical markers in COVID-19 and correlates with better clinical outcome
P04	Shaojun Liu	Mucosal antibody response to SARS-CoV-2 in paediatric and adult patients: a longitudinal study from active infection to convalescent phase
P05	Eleanor Matthews	Molecular markers for COVID-19 disease progression: a pilot study
P06	Ozge Yilmaz Topal	Clinical characteristics of COVID-19 in children and young adolescents with inborn errors of immunity
P07	Asiya Zaidi	Neutralizing antibody responses against SARS-CoV-2 spike receptor binding domain after 1 year
Poster Session 2		Allergy, Asthma and Respiratory Inflammatory Diseases I
17:35	<i>Chairs/Discussants:</i>	<i>Asli Gelincik, Tina Sindher</i>
P08	Ruben Fernandez-Santamaria	The inclusion of TLRs agonists improves basophil activation test sensitivity in amoxicillin allergic patients
P09	Kevin Plattner	Glycan-specific IgG anti-IgE autoantibodies contribute to protectivity against allergic diseases
P10	Justine Segaud	Dual function of Langerhans cells in skin TSLP-promoted TFH differentiation in mouse atopic dermatitis
P11	Elena Barletta	Mass spectrometry-based identification of allergen proteins involved in seafood related allergic reactions
P12	Julian Mario Stark	A mouse model of asthma marked by vigorous TH2 and TH17 cell responses
P13	Tereza Švábová	Mouse models of food allergy after epicutaneous sensitization
P14	Stephan Traidl	Observational study of Temperature-controlled Laminar Airflow (TLA) in adult atopic dermatitis patients
P15	Marlena Tynecka	Transcriptomic profiling of MSC-mediated suppression of neutrophilic lung inflammation revealed the arachidonic acid metabolism-related mechanism
P16	Carole Oskeritzian	Skin mast cells mediate ceramide elevation and apoptosis at the early pre-symptomatic phase of atopic dermatitis in a human-like mouse model
P17	Debbie Maurer	Physical activity in asthma control and its immune modulatory effect in asthmatic preschoolers
P18	Tim Willinger	Distinct developmental pathways from blood monocytes generate human lung macrophage diversity

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Poster Session 3		Epithelial Cell Activation and Barrier Functions
17:35	Chairs/Discussants:	Milena Sokolowska, Maciej Chalubinski, Kazunari Sugita
P19	Veronica Ayechu	A fermented milk matrix with postbiotics promotes Th1-and Th17-type immune effects <i>in vitro</i> and modulates vaccine-specific immune responses <i>in vivo</i> in association with altered serum galectin ratios
P20	Yen-Ju Lin	The fusion protein rFlaA:Betv1 induces a TLR5-independent, but MAPK- and NFkappaB-dependent activation of epithelial cells promoting dendritic cell activation
P21	Murty Narayana Darisipudi	<i>S. aureus</i> -serine protease-like protein B (SplB) induces endothelial barrier dysfunction via activating PAR2
P22	Yağız Pat	The roles of IL-22 and IL-13 on airway epithelial differentiation and epithelial barrier development
P23	Mario Pérez-Diego	The synthetic cannabinoid WIN55212-2 promotes the restoration of rhinovirus-induced epithelial barrier disruption
P24	David Rios Covian	Impact of AP endonuclease 1 absence in mucus production by colonic epithelial cells and susceptibility to colitis induced by dextran sodium sulfate
P25	Ilaria Salvato	Role of the RNA-binding protein AUF-1 in Senescence-Associated Secretory Phenotype (SASP) in human airway epithelium
P26	Thomas Conlon	Macrophage induced ferroptotic cell death of epithelial cells drives COPD pathogenesis
P27	Mengting Huang	Metabolic reprogramming of airway epithelium in response to house dust mite and human rhinovirus

Poster Session 4		Innate Immune Response
18:05	Chairs/Discussants:	Reihane Ziadlou, Ming Wang
P28	Victor Bosteels	Apoptotic cell uptake drives cDC1 maturation
P29	Morgane Humbel	Metabolic alterations of SLE NK cells determine response to anti-CD38 and anti-SLAMF7 monoclonal antibodies
P30	Anthony Lefebvre	Nasopharyngeal carcinoma exosomes modify the metabolic status of human dendritic cells and favour their recruitment through the CCL20 chemokine
P31	Céline Mortier	Enrichment of RORgammat+ innate-like T cells in joint and gut samples from spondyloarthritis patients
P32	Claudia Siverino	Titanium wear particles exacerbate implant-related osteolysis and decrease efficacy of antibiotic therapy
P33	Arindam Dey	Effect of cationic nanostructured lipid carriers on the activity of antigen-presenting cells
P34	Valéria M de Lima	miR-21 regulates CD69 and IL-10 expression in canine leishmaniasis
P35	Valéria M de Lima	miR-148A regulates inflammation and microbicidal activity in canine leishmaniasis
P36	Fatemeh Ghaffarifar	Plasmid with multi-epitope genes of <i>Toxoplasma gondii</i> (SAG1, SAG3 and SAG5) construction and evaluation of its immunogenicity and efficacy against murine toxoplasmosis
P37	Yaqi Peng	Histamine H1 receptor-positive group 9 innate lymphoid cells induced by IL-4 and TGF- β
P38	Damien Portevin	Extracellular matrix-induced GM-CSF and hypoxia promote immune control of <i>Mycobacterium tuberculosis</i> in human <i>in vitro</i> granulomas
P39	Joanna Sarnik	Increased Sensitivity of PBMCs of anti-Ro52–positive patients with autoimmune diseases to DNA damaging agents

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Poster Session 5		Tumor and Autoimmunity
18:05	Chairs/Discussants:	Carole Oskeritzian, Lukas Flatz
P40	Lacin Cevhertas	Characterization of B cell responses during immunotherapy in metastatic melanoma
P41	Maria Julia Lamberti	miR-4284 as a novel epigenetic mechanism triggered by immunogenic cancer cell death
P42	Annunziata Nigro	Involvement of the RNA-binding protein HuR in promoting the immune suppressive phenotype of lung cancers upon development of target therapy resistance
P43	Mette-Triin Purde	Propagation competence of a lymphocytic choriomeningitis virus-based cancer vaccine determines antitumor efficacy in mouse melanoma
P44	Elmer Antileo	Dual inhibition of APN/CD13 and DPP4/CD26 modulates microglia inflammatory responses via the Wnt signaling pathway promoting M2 differentiation <i>in vitro</i> and <i>in vivo</i>
P45	Ahmet Eken	Characterization of innate lymphoid cells in the glioblastoma tumor microenvironment with or without IDH1 mutations
P46	withdrawn	
P47	withdrawn	
Poster Session 6		Hygiene Hypothesis in Immune Regulation
18:05	Chairs/Discussants:	Alexandra Wallimann, Ismail Ögülür
P48	Matthew Lacorcica	Helminth-driven fetomaternal crosstalk primes regulatory networks to modify inflammatory T cell responses
P49	Junjie Ma	Laboratory mice with a wild microbiota generate strong allergic immune responses
P50	Arthur Mortha	Control of systemic eosinophilia by a protozoan commensal dictates asthma severity
P51	Dina Raafat	Infection array – using the xMAP® technology for developing an immunological tool to screen antibody signatures of major bacterial pathogens
P52	Yuxuan Deng	Molecular mechanisms and functional aspects of TLR2-desensitization of human Langerhans cells

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Poster Session 7 Allergy, Asthma and Respiratory Inflammatory Diseases II

17:20	<i>Chairs/Discussants:</i>	<i>Jana Koch, Ruben Fernandez-Santamaria</i>
P53	Aysegul Akarsu	Multiplex component-based allergen macroarray test is useful to predict clinical reactivity to tree nuts in children
P54	Alberta Giovanazzi	Maternal allergic sensitisation alters CD4+ T-cell modulatory properties and miRNA cargo of human milk-derived extracellular vesicles
P55	Lukas Heeb	A comprehensive and comparative analysis of interleukin-4 receptor subunit expression and functionality on human peripheral leukocytes
P56	<i>withdrawn</i>	
P57	Diego Pazos-Castro	Two-hit model in skin-mediated allergy sensitization: the synergy between epithelial damage and allergen encounter in anaphylaxis
P58	Nathalie Acevedo	A plasma chemokine/inflammatory signature in COPD patients that may potentially associate with increased susceptibility to severe COVID-19
P59	Lali Bugadze	Asthma control status and lung function in relation to vitamin D level in children with bronchial asthma
P60	Thomas Conlon	Monocyte migration regulated by PRMT7 in COPD
P61	Fatemeh Ghaffarifar	Immunoregulatory Effects of Somatic Extract of <i>Toxocara canis</i> on Airway Inflammations in Murine model
P62	Belen Imperiale	Severity of pulmonary lesions and bacillary load in multidrug-resistant tuberculosis is highly related to the senescence status and the exhaustion of T cells
P63	Charline Sommer	Type 2 innate lymphoid cells and mast cells possess potential key roles in skin rash during IL-2 therapy

Poster Session 8 Regulatory and Effector T and B Cell Subsets and Cytokines

17:20	<i>Chairs/Discussants:</i>	<i>Andrzej Eljaszewics, Rodrigo Jiménez-Saiz</i>
P64	Juan Aguilera	Links of exposure to ambient air pollutants during pregnancy with a decreased Th1 percentage and inflammatory cytokines
P65	Aysegul Akarsu	The clinical and laboratory characteristics of the patients with COVID
P66	Manal Bel imam	Identification of immunological biomarkers for the diagnosis and monitoring of eosinophilic esophagitis
P67	Nicole Bertschi	Autocrine IL-9/IL-9R α signaling induces a pathogenic phenotype in Th2 cells
P68	Fehim Esen	The roles of PD-1, CTLA-4, LAG-3, and TIGIT in the regulation of NK cell phenotype and functions
P69	Ruben Fernandez-Santamaria	Usefulness of serum specific IgE by fluoroenzyme immunoassay in the diagnosis of immediate betalactam allergy
P70	Lisa Milchram	Identification of IgG immunoreactivity profiles for rheumatoid arthritis on high density peptide arrays
P71	Aleksandra Starosz	Assessment of differences in the immunological profile of orbital fibroblasts between active and inactive Graves' orbitopathy patients
P72	Kevin Reppschläger	Interrogating B cells - can <i>in vitro</i> antibody production improve the identification of the causative pathogen in infective endocarditis?
P73	Leila Zaki	Lymphocytes responses to toxoplasmosis in BALB/c mice treated with morphine

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Poster Session 9		Biologicals, Vaccines and Immunomodulation
17:20	Chairs/Discussants:	Mario Noti, H. Barbaros Oral
P74	Jordan Holl	Differential preparation of acellular dermal matrices induces distinct immunomodulatory characteristics
P75	David Menchen Martinez	Therapeutic egg hydrolysates
P76	Kiran Kumar Mudnakudu Nagaraju	Microdelivery of peanut allergen powder for safe and effective epicutaneous immunotherapy
P77	Ana Carmen Sevilla	The polyvalent bacterial preparation MV130 impairs airway inflammation in a HDM-induced asthma model
P78	Alexandra Wallimann	Butyrate and antibiotics affect local and systemic processes relevant for bone healing
P79	Marca Wauben	Human milk extracellular vesicles dampen innate and adaptive immune responses and enhance epithelial barrier function
P80	Bei Zhao	Mucosal Helicobacter spp. protect mice from Citrobacter rodentium infection by reducing virulence gene expression
P81	Simon Zinkhan	The impact of size on particle drainage dynamics and antibody response
P82	Nasrin Dashti	Serum levels of TNF- α in ankylosing spondylitis and rheumatoid arthritis

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