

Poster Program 1. Day - Wednesday, 6 July 2022

Poster Session 1		B-cells in immune response
19:30, Room: Foyer A1		Chairs: Pattraporn Satitsuksanoa, Ganesh Phad
P01	Hannes Axelsson	Mucosal immunity to influenza virus infection
P02	Ana Coelho	Bursting B cells as a regulator of autoimmunity
P03	Berenice Fischer	Loss of Rfx7 promotes the development of lymphoma
P04	Natalia Pikor	Conserved stromal-immune cell circuits secure B cell follicle homeostasis
P05	Marcus Robinson	Plasma cell ontogeny revealed with an inducible reporter mouse
P06	Stephan Schneider	Investigation of allergen specific B-cells in allergy concordant and discordant twins
P07	Simon Zinkhan	On the role of CD23 on B cells in generating a protective immune response against allergic anaphylaxis in a murine model
Poster Session 2		Microbiome and metabolism
19:30, Room: Foyer A1		Chairs: Urszula Radzikowska, Yagiz Pat
P08	Jamie Afghani	Accurate Representation of Bare Skin Metabolome by Non-Invasive WET-PREP Sampling
P09	Marc Ehlers	Induction of IL-10+ plasma cells by nutrition
P10	Brian Forde	Immunomodulatory effects of microbial metabolites on G-protein coupled receptors in immune cells in allergy and asthma
P11	Miao-Tzu Huang	Short-Chain Fatty Acids Ameliorate Allergic Airway Inflammation via Induction of Immune-regulatory Microbiome
P12	Krzysztof Krawczyk	Halophilic archaea - Halorhabdus rudnickae and Natrinema salaciae interact with human monocyte-derived dendritic cells
P13	Ozan Kücükçak	The supporting potential of nicotinamide(vitamin B3) and beta hydroxybutyrate(ketone body) on epithelial barrier integrity of human bronchial spheroids and gut on a chip models
P14	Nicole Lane Starr	Culturing Bacterial Isolates from the Skin of Pediatric Atopic Dermatitis Subjects
P15	Lena Siewert	Gut microbiota composition as a candidate risk factor for dimethyl fumarate-induced lymphopenia in multiple sclerosis
P16	Delyana Stoeva	Mission possible? 2-Deoxyglucose exhibits an antiviral as well as anti-inflammatory effect in upper respiratory tract infections
P17	Bibin Yesodha Subramanian	Investigating the role of EVs from iRBCs in vivo in cellular communication during malaria pathogenesis
Poster Session 3		T-cells in immune response
19:30, Room: Foyer A1		Chairs: Yasutaka Mitamura, Ruben Fernandez-Santamaria
P18	Melanie Jensen	HDAC1 acts as a positive regulator of peripheral Treg cell generation in skin immunity
P19	Takashi Kishimoto	Synergistic activity of Treg-selective IL-2 mutein with tolerogenic ImmTOR nanoparticles induces massive expansion of antigen-specific Tregs
P20	Emilie Pfeifer	Characterization of human T helper cell differentiation in vitro
P21	Marilyne Lavergne	The immune serine protease Granzyme B cleaves secreted proteins of <i>Listeria monocytogenes</i>
P22	Alice Emma Taliento	HDAC2 deficiency reduces skin autoimmune disease
19:30	Poster presentations of workshops 1 - 3, Room: Main Corridor	

Poster Program 2. Day - Thursday, 7 July 2022

Poster Session 4		Innate immunity
19:30, Room: Foyer A1		Chairs: Daniela Latorre, Yagiz Pat
P23	Tobias Frauenlob	Helicobacter pylori-infected primary human monocytes display enhanced immune response to LPS
P24	Jan Gärtig	TLR9-mediated suppression of CCL22 as a novel modulation of immunity
P25	Annika Hausmann	Intercrypt Sentinel Macrophages Induce a Tunable Antibacterial NFkB Response in Intestinal Epithelial Cells via TNF
P26	Ana Ribeiro	Cancer cell lines supernatants induce tolerogenic phenotype in DCs in vitro
P27	Ezgi Sengun	Immunomodulatory Capacity of UC-MSCs on T cells and Antigen Presenting Cells
P28	Negisa Seyed Toutounchi	TDeoxynivalenol exposure alters dendritic cell-dependent cellular and humoral responses in vitro
P29	Owais Hameed	Design of antimicrobial protein-lipid complexes: From purification to delivery of cytotoxic peptides granulysin and granzyme B
P30	Jan Frič	Immunometabolic status of activated human monocytes is altered by immunosuppressives
P31	Yasmine Messaoud-Nacer	STING agonist diABZI induces PANoptosis and DNA mediated acute respiratory distress syndrome (ARDS)
P32	Paola Lovato	Dominant role of IL-4 over IL-13 in impairing IL-23 secretion by activated dendritic cells
Poster Session 5		COVID-19
19:30, Room: Foyer A1		Chairs: Ismail Ogülür, Wilfried Posch
P33	Marc Ehlers	Induction of long-term IgG Fcglycosylation patterns after vaccination against SARSCoV-2
P34	Stefano Gianoli	Sars-Cov-2 infection of human macrophages
P35	Bing Han	Cell surface GRP78 functions as an alternative virus entry receptor on monocytes during SARS-CoV-2 infection
P36	Neha Patil	Alterations in programmed death ligand expression in whole blood cells in COVID-19 patients
P37	Lydia Scharf	Longitudinal immunophenotyping after SARS-CoV-2 infection
P38	Elena Barletta	Immune-inflammatory proteome of elite ice hockey players before and after SARS-CoV-2 infections
P39	Richard Chahwan	Serum extracellular vesicles profiling is associated with COVID-19 progression and immune responses
P40	Stephanie Gras	Comparable CD8+ T cells response in COVID-19 vaccinated and recovered individuals is increased by booster
P41	Shaojun Liu	Nasal mucosal and plasma antibody responses in SARS-CoV-2 mRNA vaccine (BNT162b2) recipients with or without prior SARS-CoV-2 infection
P42	Paola Andrea Martinez Murillo	Evaluation of extracellular vesicles as noninvasive early predictive markers for severe COVID-19
P43	Justyna Sieber	Long-Lived Immunity in SARSCoV-2-Recovered Children
Poster Session 6		Transcriptomics
19:30, Room: Foyer A1		Chairs: Jana Koch, Marina Bekic
P44	Nicholas Dopkins	Microbial Dysbiosis Motifs Modulate Endogenous Retrotranscription in Human PBMCs
P45	Tongyi Fei	Human Endogenous Retroviruses Profiling in Metastatic Uveal Melanoma
P46	Sofia Nyström	Circulating microRNA expression in common variable immunodeficiency
P47	Darina Paprckova	Is It Better to Remember? A Story of The Immune Responses of Naive, True Memory, and AIMT CD8+ T Cells
Poster Session 7		Tumor immunology
19:30, Room: Foyer A1		Chairs: Jessica Guerra, Mara Cenerent
P48	Flurina Böhi	Functional analysis of PARP1 in NK cells in the context of inflammation and tumorigenesis
P49	Benedetta Fiordi	VEGF-A, IL-18 and B7H6 involvement in ILC2 activation in Chronic Myeloid Leukemia
P50	Jennifer Pott	Immune modulation by the endothelial protein C receptor (EPCR) in cancer progression
19:30	Poster presentations of workshops 4 - 6, Room: Main Corridor	

Poster Program 3. Day - Friday, 8 July 2022

Poster Session 8		Autoimmunity
19:30, Room: Foyer A1		Chairs: Jingjing Liu, Ana Coelho
P52	Kristýna Sloupenská	Antinuclear and myositis specific/associated autoantibodies in patients with suspected post-treatment Lyme disease syndrome in Olomouc region, Czech Republic
P53	Eliška Vroblová	Phenotypic characteristic population subsets T and B cells in blood from patients of IgA nephropathy
P54	Aleš Neuwirth	Experimental autoimmune adrenalitis as a mouse model of Addison's
Poster Session 9		Biologicals and molecular aspects 9n diagnosis and treatment
19:30, Room: Foyer A1		Chairs: Pia Gattinger, Ruth Ferstl
P55	Elena Barletta	Mass spectrometry-based identification of allergen proteins involved in seafood related allergic reactions
P56	Yoon-Seok Chang	A feasibility study of a new vaccine adjuvant based on a digital device
P57	Kleanthis Fyantos	Effects of Alpha-1 Anti Trypsin on human primary Monocyte Derived Macrophages (MDMs) and whole blood derived neutrophils immunophenotype and cytokine release
P58	Zahra Gharailoo	Generating a VLP (Virus-Like Particles) based vaccine against IgE
P59	Jan Sobczak	A novel Virus-like particle platform for the treatment of peanut allergy
P60	Tim Delemarre	Anti-interleukin-5 Biologicals Mepolizumab and Benralizumab Induce Eosinophilic-Neutrophilic Shift in Nasal Polyposis
Poster Session 10		Mechanisms in asthma, chronic rhino sinusitis, allergy and immune regulation I
19:30, Room: Foyer A1		Chairs: Marcus Robinson, Remo Frei
P61	Ella Sandrine Parsons	Symptomatology, immune changes, and proteomic alterations in subjects exposed to wildfire smoke
P62	Ella Sandrine Parsons	Associations of PFAS compounds and heavy metal exposures in firefighters
P63	Ella Sandrine Parsons	The association of ambient air pollution exposure with immune biomarkers during pregnancy
P64	Katherine Cahill	Glucagon-like peptide-1 receptor regulates thromboxane-induced platelet activation in health and disease
P65	R. Sharon Chinthrajah	Mechanisms of desensitization to peanut are similar in children and adults
P66	Jonathan Coquet	Laboratory mice with a wild microbiota generate strong acute allergic immune responses but these are regulated with chronic allergen exposures
P67	Elisabeth De Leeuw	How does pneumovirus influence antigen presentation in neonatal mice?
P68	Ibon Eguiluz Gracia	Allergen-induced proliferation of peripheral Th9 cells in local allergic rhinitis patient
Poster Session 11		Mechanisms in asthma, chronic rhino sinusitis, allergy and immune regulation II
19:30, Room: Foyer A1		Chairs: Nincy Debeuf, Juan Felipe Lopez Crespo
P70	Alba Sánchez Montalvo	from the U-BIOPRED cohorts TPolymeric immunoglobulin receptor and immunoglobulin A system in an eosinophilic mouse model of chronic rhinosinusitis
P71	Alba Sánchez Montalvo	Staphylococcus aureus is a better inducer of neutrophilic non T2 CRS compared to Streptococcus pneumoniae and Pseudomonas aeruginosa in a mouse model of postinfectious CRS
P72	Laura Glau	Prenatal thymic stress affects T cell development in humans
P73	Duygu Yazici	High Throughput Investigation of Epithelial Barrier Affecting Compounds with Gut-on-achip Systema
P74	Arturo Rinaldi	Household laundry detergents disrupt skin barrier integrity in mice
P75	Antonia Zoe Quake	Untargeted Metabolomic Analysis of Children with Multiple Food Allergies who Underwent Oral Immunotherapy
P75	Adrian Gajewski	Epithelial-derived cytokines and their modulating effects on rhinovirus-induced antiviral and anti-inflammatory responses of pulmonary vascular endothelium
P77	Iris Chang	Distinct gene expression profiles of G-Protein-Coupled Receptors on B cell subsets
19:30	Poster presentations of workshops 7 - 12, Room: Main Corridor	