

1. Day - Wednesday, 14 March 2018

Poster Session 1		Dendritic cells
19:30, Room: Foyer A1		Chairs: Marina Sabaté Brescó, Remo Frei
P001	Maren B. Solhaug	Antigen presenting cells of the human oral cavity
P002	Olaf Perdjik	Bovine lactoferrin inhibits dendritic cell differentiation and induces small intestine homing on T cells
P003	Hélène Letscher	A population a plasmacytoid dendritic cell precursor as potent regulators of autoimmune Experimental Autoimmune Encephalomyelitis
P004	Linette Willemsen	Maturation of dendritic cells in the combined presence of peanut-extract and scFOS/IcFOS enhances T cell proliferation in an autologous peanut-specific DC-T cell assay
P005	Timothy Radstake	Transcriptomics and epigenomic imprinting by CXCL4 drives a pro-inflammatory biology and extra cellular matrix production by dendritic cells
P006	Sara Feigelson	ICAMs are not obligatory for functional immune synapses between naïve CD4 T cells and lymph node DCs
P007	Karsten Mahnke	Induction of T cell hyporesponsiveness by adenosine producing immature dendritic cells
P008	Ourania Koltsida	Plasmacytoid dendritic cells drive acute exacerbations of asthma
Poster Session 2		Epithelium and tissue response
19:30, Room: Foyer A1		Chairs: Paulina Wawrzyniak, Georgios Bellibasakis
P009	Anwar Sayed	The Effect of Ageing on the Stromal Integrity of The Secondary Lymphoid Organs (SLO)
P010	Marianne Spalinger	Heat shock protein GP96 is essential for self-renewal of the intestinal epithelial barrier
P011	Matthias Mack	Basophils contribute to cardiac allograft fibrosis by release of IL-4
P012	Veronica Ayecheu	Activated intestinal epithelial cells conditioned with 2'-Fucosyllactose and CpG ODN instruct moDC to drive Th1 differentiation
P013	Pedro Papotto	Gamma-delta T cells shape pulmonary innate immune cell compartments at homeostasis
P014	Truong San Phan	Regulation of skin immune homeostasis by keratinocyte-derived de novo glucocorticoids
Poster Session 3		T and B cell memory and immune regulation I
19:30, Room: Foyer A1		Chairs: Judith Allen, Thomas Eiwegger
P015	Peter Rhein	Imaging flow cytometry enhances the detection of small particles and rare events enabling emerging applications in immunology and oncology
P016	Abhinandan Devaprasad	Large scale transcriptome profiling of 24 for immune cell subsets and their progenitors reveals progenitor plasticity and complex regulation of human hematopoietic cell lineages
P017	Eric Hjalmarsson	Intra lymphatic immunotherapy (ILIT) affects T-cell differentiation in lymph nodes and peripheral blood and reduces pollen induced nasal symptoms
P018	Anne Trefzer	TCR tuning and exhaustion of CD4+ T cells by persisting antigen
P019	Raj Raghupathy	Immunoregulatory cytokine profiles in intra-uterine growth restriction (IUGR)
P020	Barbara Stanic	Identification and validation of immunogenic peptides of <i>Staphylococcus epidermidis</i> in the patients with bone infection
P021	Karim Brandt	Follicular regulatory helper T cells control the response of regulatory B cells to a high-cholesterol diet
P022	Christopher Piper	The Aryl Hydrocarbon Receptor (AhR) is a key transcriptional regulator of IL-10 in B cells
P023	Patraporn Satitsuksanoa	Mechanisms of immune tolerance to food allergens
P024	Joerg Schlegel	Virtual sorting as a new image cytometry method for deep phenotyping of rare cells in the blood of oncology patients
P025	Mara Biasin	The interleukin 21 (IL 21)/ microRNA-29 (mir29) axis is associated with natural resistance to HIV-1 infection
P026	Josefine Negrassus	A critical role for the orphan nuclear receptor LRH-1/NR5a2 in the regulation of T cell functions
Poster Session 4		Innate immune response
19:30, Room: Foyer A1		Chairs: Fintan Moriarty, Johan Verhagen
P027	Alaa Terkawi	Transcriptional profile of human macrophages stimulated by ultra-high molecular weight polyethylene particulate debris of orthopedic implants reveals a novel mechanism of osteolysis
P028	Simon Melderis	Amphiregulin aggravates glomerulonephritis via recruitment and activation of myeloid cells
P029	Ahmet Eken	Absence of group 3 innate lymphoid cells in DOCK8-defective HIES patients
P030	Hung-Wei Cheng	A two-signal program in myofibroblastic niches controls reticular cell network formation in the splenic white pulp
P031	Celine Weckerle	Development and characterization of mouse Th17-related V-PLEX® assays
P032	Grace Poon	Isolation of particle-free human ILC2s from peripheral blood mononuclear cells
P033	Elke Scandella	CCL19-expressing fibroblast stromal cells form an essential niche for intestinal innate lymphoid cells

P034	Marloes Hofstee	Severe musculoskeletal poytrauma induces reduced anti-bacterial responses in neutrophils
P035	Patricia Aparicio-Domingo	IL-33 produced by fibroblastic reticular cells boosts antiviral T cell responses
P036	Monika Gad	<i>In vitro</i> models for screening of immune modulating properties of drug candidates under immunosuppressed conditions
P037	Wolfram Hoetzenecker	HLA I shield tumor skin T lymphocytes from NK-cell-mediated elimination
P038	Haluk Barbaros Oral	Downregulation of CD80/86 expression on the surface of mouse bone marrow-derived dendritic cells via CTLA4 expression in endoplasmic reticulum
P039	Haluk Barbaros Oral	Silencing of CD80 and CD86 on the surface of RAW 264.7 cells via CRISPR/Cas9

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

2. Day - Thursday, 15 March 2018

Poster Session 5

Novel vaccines, biologicals and treatments I

19:30, Room: Foyer A1

Chairs: Helga Kahlert, Steen Klysner

P040	Lukas Flatz	Immunoglobulin subclasses and tumor specific IgG during checkpoint inhibitor therapy in melanoma patients
P041	Ufuk Karakus	Development of Treg cell-stimulating IL-2/anti-IL-2 antibody complexes
P042	James Rush	The novel anti-CD40 monoclonal antibody CFZ533 shows beneficial effects in patients with primary Sjogren's syndrome
P043	Safa Baris	25 (OH) vitamin D as an adjunct to subcutaneous allergen immunotherapy
P044	Tony Nguyen	Interleukin-2 complexes induce long-term acceptance of fully mismatched islet allografts
P045	Federico Storni	Developing virus like particles as a platform for allergy therapy
P046	Flurin Caviezel	Allergens displayed on virus like particles are highly immunogenic but fail to induce human derived mast cell degranulation

Poster Session 6

Allergy and asthma

19:30, Room: Foyer A1

Chairs: Nadine Karschuk, Willem van de Veen

P047	Sandra Ekstedt	A possible role for neutrophils in allergic rhinitis revealed after cellular subclassification
P048	Arturo Rinaldi	Electrical impedance measurements for the assessment of skin epithelial barrier defects
P049	Cheryl Steiman	Farm Exposure Influences Skin Microbiota In Infancy
P050	Angela Fallegger	Trans-maternal exposure to <i>Helicobacter pylori</i> induces stable and highly suppressive regulatory T-cells and protects against allergic asthma
P051	Armin Braun	NK1 receptor positive mast cell subpopulations interact with sensory nerves and lead to increase bronchoconstriction in response to capsaicin using passive sensitized human precision-cut lung slices
P052	Andreas Frey	Analysis of the human IgE target-epitope repertoire for the detection of new IgE specificities in allergic diseases
P053	Cathy Leonard	Early and late cellular changes through successful CpG/Feld1-based immunotherapy in a murine asthma model
P054	Nonhlanhla Lunjani	Novel immune signatures associated with paediatric atopic dermatitis
P055	Tim Stroisch	Langerhans and inflammatory dendritic epidermal cells in atopic dermatitis are tolerized towards TLR2 activation
P056	Jiasi Hu	SATB1 expression and methylation reflect FOXP3+ regulatory T cell activity during grass pollen immunotherapy

Poster Session 7

Novel vaccines, biologicals and treatments II

19:30, Room: Foyer A1

Chairs: Charlène Niogret, Monique Vogel

P057	Sudhanshu Shekhar	Intranasal immunization with commensal <i>Streptococcus mitis</i> confers protective immunity against virulent pneumococcal lung infection
P058	Martin Klein	Solution for allergic asthma using peptide therapy
P059	Gro Herredsvela Rorvik	A strategy to identify immunogenic peptides from the oral commensal species <i>Streptococcus mitis</i>
P060	Neelam Oswal	The role of T cells in resistance to natural JEV infection
P061	Frank Stolz	Next steps towards an optimal ragweed allergy vaccine based on the peptide carrier principle: single or multi component vaccine?
P062	Jiaqian Tang	Clinical and immunologic effects of a single dose of anti-Fel d 1-IgG4 monoclonal antibodies (mAb1/2) in cat allergic individuals: a randomized placebo-controlled study
P063	Franziska Thoms	Immunization of cats to induce neutralizing antibodies against Fel d 1, the major feline allergen in humans

Poster Session 8		Neuroimmunology
19:30, Room: Foyer A1		Chairs: Mario Clerici, Jens Geginat
P064	Marina Saresella	Stavudine inhibits caspase-1 and IL-18 release but does not modulate <i>in vitro</i> amyloid-beta-phagocytosis by macrophages
P065	Juliana Komuczki	Fate mapping of pathogenic T cells in inflammation
P066	Mario Clerici	The NLRP3/Caspase-8 inflammasome drives neuroinflammation in primary progressive multiple sclerosis
P067	Silvia Tietz	Absence of the junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis

Poster Session 9		T and B cell memory and immune regulation II
19:30, Room: Foyer A1		Chairs: Daniel Campbell, Brecht Steelant
P068	Luisa Cervantes-Barragan	<i>Lactobacillus reuteri</i> induces gut intraepithelial CD4+CD8alpha alpha+ T cells
P069	Andrzej Eljaszewicz	BAFF regulate inflammasome activation via BAFF receptor signaling in LPS stimulated monocytes
P070	Ben Herbert	Red blood cells affect T cell proliferation and differentiation by binding and release of cytokines
P071	Wolfram Hoetzenecker	Malignant T cells inhibit anti-cancer immunity in cutaneous T cell lymphoma
P072	Wolfram Hoetzenecker	PD-L1 expression is an independent predictor of favorable outcome in patients with localized esophageal adenocarcinoma
P073	Natalia Pikor	Inflammation-induced remodeling of B cell follicle reticular cell networks orchestrates germinal center responses
P074	Christoph Schlapbach	Induction of PPAR- γ by IL-4 and TGF- β promotes the IL-9-expressing subpopulation of TH2 cells
P075	Anna Globinska	Identification of an angiogenesis-promoting B cell subsets
P076	Florence Servent	Cytokine secretion profile on PBMCs
P077	Jolana Vosahlova	Improved separation of Foxp3+ and Foxp3- cells in a whole blood flow cytometry assay
P078	Christina Zielinski	Tonicity signals drive and anti-inflammatory Th17 cell properties

19:30 **Poster presentations of workshops 4 - 6, Room: Main Corridor**

3. Day - Friday, 16 March 2018

Poster Session 10		Autoimmunity
19:30, Room: Foyer A1		Chairs: Anna-Carin Lundell, Christina Zielinski
P079	Morad Zayoud	Farnesylthiosalicylic acid, a Ras GTPases inhibitor reduce arthritis severity in the collagen type-II induced arthritis mouse model by modulating the T cells response
P080	Anna-Carin Lundell	Low serum insulin-like growth factor-1 in boys with recent onset of juvenile idiopathic arthritis
P081	Marina Drutskaya	Myeloid cell-specific TNF inhibition in experimental arthritis in mice
P082	Nasrin Dashti	Estimation of Diagnostic markers in Rheumatoid Arthritis
P083	Jonathan Aldridge	Th2 and CTLA-4+ T cell subsets correlate with higher disease activity in male untreated early rheumatoid arthritis patients
P084	Anwar Sayed	Eltrombopag: more than just a thrombopoietin receptor agonist in Immune Thrombocytopenia (ITP)
P085	Christine Guntermann	Pharmacological inhibition of RORC suppresses the Th17 pathway and alleviates arthritis <i>in vivo</i>
P086	Loui Madakamutil	Integrative analysis reveals CD38 as a therapeutic target for plasma cell-rich rheumatoid arthritis, pre-rheumatoid arthritis and systemic lupus erythematosus
P087	Anna Sediva	Increased mycobacterial susceptibility and autoinflammatory phenotype due to combination of IFNGR1 and NOD2 mutations, case report and immune function analysis
P088	Karin Steinbach	Transient viral infection early in life disrupts brain immune homeostasis and predisposes to CNS autoimmune disease in adulthood
P089	Alex Sunshine	The transcription factor Ets1 cooperates with IL17 signaling to promote autoimmunity and immunodeficiency

Poster Session 11		Therapies and transplantation
19:30, Room: Foyer A1		Chairs: Barbara Stanic, Nathan Karin
P090	Sonia Tugues Solsona	T-cell-derived GM-CSF mediates graft-vs-host disease but is dispensable for graft-vs-leukemia effect
P091	Manon Jansen	Targeting of tolerogenic dendritic cells towards heat-shock proteins: a novel therapeutic strategy for autoimmune diseases?
P092	Victoria Lavrinenko	Donor cell engraftment in patients with primary immunodeficiency after allogeneic hematopoietic stem cell transplantation
P093	Illip Burmester	In situ detection of Mesenchymal stromal cells in human placenta by Chipcytometry
P094	Carolyn Brandl	Humanized CD22 transgenic mouse model for <i>in vivo</i> analysis of CD22-based immunotherapy
P095	Avidan Neumann	Allo-reactive CD4 T-cell clones post liver transplantation show more persistence and more conversion to regulatory phenotype
Poster Session 12		Immune response to infection and commensal microbes
19:30, Room: Foyer A1		Chairs: Weronika Barcik, Marcin Wawrzyniak
P096	Madeleine White	Parasite cytokines: a structurally novel mimic of TGF β which potently induces regulatory T cells
P097	Olav Schreurs	The regulatory role of the oral commensal <i>Streptococcus mitis</i> on human monocytes
P098	Emma Savilahti	Celiac disease by the age of 13 years is not associated with probiotics administration in infancy
P099	Marianne Spalinger	Presence of an autoimmunity-associated variant in PTPN22 promotes chronic colitis in a microbiota dependent manner
P100	Mathilde Chayé	Identification of schistosome molecules that drive splenic regulatory B cell development
P101	Yaowapa Maneerat	T cell independent specific antibody production via signaling pathways for B cell-activating factor (BAFF) and a proliferation-inducing ligand (APRIL) are induced by blood stage plasmodium falciparum hemozoin
P102	Marina Sabaté Brescó	<i>Staphylococcus epidermidis</i> infection progression and associated immune response in a murine fracture model: role of IL-17A
P103	William Horsnell	Pre-conception maternal helminth infection transfers via nursing long lasting protective cellular immunity against helminths to offspring
P104	Matthew Lacorcía	Modulation of allergic response in offspring from <i>S. mansoni</i> infected mothers
P105	Emmanuel Souza	Probiotics candidates for immunomodulation of gingival epithelial cells challenged by <i>Porphyromonas gingivalis</i>
Poster Session 13		Genetics of chronic diseases
19:30, Room: Foyer A1		Chairs: Patraporn Satitsuksanoa, Can Altunbulakli
P106	Avidan Neumann	Correlation between skin microbiome, skin barrier and immune gene expression pathways in atopic dermatitis lesions
P107	Margarida Castro	Clinical impact of 19 bp del dhfr polymorphism in bronchial asthma
P108	Kiara Homil	Gene expression profiles according to the atopic status of wheezing children: 4 year follow-up
P109	Paulina Wawrzyniak	Inhibition of CpG methylation improve the barrier integrity of bronchial epithelial cells in asthma
P110	Petra Borilova Linhartova	Adiponectin gene variability and plasma levels in non-obese Czech patients with asthma
P111	Nadeem Fazal	Identification of Louis-Bar syndrome in a family with beta-thalassemia
P112	Wolfram Hoetzenecker	Uniparental inheritance of junctional epidermolysis bullosa through a novel mutation of the ITGA6 gene and trisomic rescue
P113	Ismail Ogulur	STAT1 gain-of-function; the immune dysregulated mechanisms behind the disease
P114	Adam Chaker	IL-10 producing B-cells and Th17 responses during three year grass-pollen AIT
P115	Adam Chaker	Upper airway biomarkers reflect asthmatic lung inflammation
19:30	Poster presentations of workshops 7 - 12, Room: Main Corridor	