

# 1. Day - Saturday, 6 April 2019

<b>Workshop 1</b>	<b>Models of autoimmunity and transplantation</b>
<i>Room: Davos 1</i>	<i>Chairs: tbc</i>
14:30 - 14:40	<b>Asbjørn Christophersen</b> Strikingly narrow phenotype of gluten-specific CD4+ T cells in celiac disease is shared with other immune conditions
14:40 - 14:50	<b>Tiziana Vigo</b> Norepinephrine signals to Beta-3 Adrenergic Receptor-expressing bone marrow cells promote lymphoid hematopoiesis in Experimental Autoimmune Encephalomyelitis
14:50 - 15:00	<b>Reza Akbarzadeh</b> Intravital imaging of kinetics and dynamics of T-cells in an experimental model of autoimmune Epidermolysis Bullosa Acquisita
15:00 - 15:10	<b>Rudolf Braun</b> Increased autoimmunity to collagen type V in hyperoxia exposed neonatal rats
15:10 - 15:20	<b>Zuzana Krouliková</b> <i>In vivo</i> migration of tolerogenic dendritic cells (toIDCs); optimization strategy for prevention of type 1 diabetes using NOD and NOD-SCID mice
15:20 - 15:30	<b>Sintia Xhiku</b> Generating a human beta-like cell allograft transplantation model in humanized mice
<b>Workshop 2</b>	<b>Development of effector and regulatory cells</b>
<i>Room: Davos 2</i>	<i>Chairs: tbc</i>
14:30 - 14:40	<b>Kilian Schober</b> Orthotopic T cell receptor $\alpha$ and $\beta$ chain replacement enables physiological T cell engineering
14:40 - 14:50	<b>Soren Ulrik Sonder</b> A novel mutation in the IL12Rb1 gene causes immune deficiencies in a heterozygote patient
14:50 - 15:00	<b>Ellen Renner</b> Lessons to be learned from primary immunodeficiencies overlapping with atopic eczema
15:00 - 15:10	<b>Ahmet Eken</b> Genetic deficiency and biochemical inhibition of ITK affect human Th17, Treg and innate lymphoid cells
15:10 - 15:20	<b>Ayca Sayi Yazgan</b> B cells stimulated with B. fragilis produce IL-10 and induce IL-10 producing Th cells
15:20 - 15:30	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
<b>Workshop 3</b>	<b>Transcriptomics and sequencing</b>
<i>Room: Forum</i>	<i>Chairs: tbc</i>
14:30 - 14:40	<b>Sandra Hellberg</b> Global transcriptomic and pathway analysis of progesterone-mediated effects on CD4+ T cell activation
14:40 - 14:50	<b>Kenneth Hu</b> Merging single cell transcriptomics with microscopy to link cellular heterogeneity with position
14:50 - 15:00	<b>Tanzeela Hanif</b> Alterations in tonsillar transcriptional profiles in atopic and non-atopic subjects
15:00 - 15:10	<b>Hussein Al-Mossawi</b> Context-specific regulation of monocyte surface IL7R expression and soluble receptor secretion by a common inflammatory disease risk allele
15:10 - 15:20	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
15:20 - 15:30	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
19:30	<b>Poster presentations of workshops 1 - 3, Room: Main Corridor</b>

## 2. Day - Sunday, 7 April 2019

<b>Workshop 4</b>	<b>Metabolism and immunity</b>
<i>Room: Davos 1</i>	<i>Chairs: tbc</i>
14:45 - 14:55	<b>Maria Escribese</b> Metabolomic biomarkers in HDM-allergic asthma severity
14:55 - 15:05	<b>Juan Rodriguez-Coira</b> Metabolomics of human T regulatory and T effector cells
15:05 - 15:15	<b>Luciana Berod</b> Inhibition of de novo fatty acid synthesis enhances and sustains FoxP3 levels in Tregs by histone acetylation
15:15 - 15:25	<b>Gunda Herberth</b> Relationship between bile acids, MAIT cells and inflammatory parameters and the link to overweight
15:25 - 15:35	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
15:35 - 15:45	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
<b>Workshop 5</b>	<b>Tumors and tumor-related immune regulation</b>
<i>Room: Davos 2</i>	<i>Chairs: tbc</i>
14:45 - 14:55	<b>Terkild Buus</b> Single-cell heterogeneity in Sézary Syndrome
14:55 - 15:05	<b>Marianne Spalinger</b> Supplementation with butyrate producing bacteria reduces tumor load in a mouse model of CRC
15:05 - 15:15	<b>Betül Taskoparan</b> The immune regulatory impact of intratumoral HMGB1 on anticancer immunity
15:15 - 15:25	<b>Sandra Ring</b> Replicating arenavirus-based vaccine vector promotes melanoma-specific CD8+ T cell immunity
15:25 - 15:35	<b>Bjoern Wendik</b> Multispectral imaging for quantitative and compartment specific immune profiling of cancer tissue
15:35 - 15:45	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
<b>Workshop 6</b>	<b>Innate immunity</b>
<i>Room: Forum</i>	<i>Chairs: tbc</i>
14:45 - 14:55	<b>Stefanie Rufli</b> TNFR2 induced priming of the inflammasome via RIPK1 leads to pyroptosis in XIAP deficient cells
14:55 - 15:05	<b>David Voehringer</b> RELM-alpha expressing macrophages protect against fatal lung damage during helminth infection
15:05 - 15:15	<b>Bruno Silva-Santos</b> Gamma-delta T cells drive interferon-gamma dependent pathogenesis in severe malaria
15:15 - 15:25	<b>Urszula Radzikowska</b> House dust mite priming augments inflammasome activation in asthmatic bronchial epithelium after rhinovirus infection
15:25 - 15:35	<b>Richard Siegel</b> The feeding cycle and hepatocyte-intrinsic circadian clock drive susceptibility to LPS-induced lethal sepsis
15:35 - 15:45	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
17:15 - 17:30	<b>Award Ceremony for workshop prizes of workshops 1 - 3, Room: Davos 1</b>
19:45	<b>Poster presentations of workshops 4 - 6, Room: Main Corridor</b>

### 3. Day - Monday, 8 April 2019

<b>Workshop 7</b>	<b>T and B cell memory and immune regulation</b>
<i>Room: Davos 1</i>	<i>Chairs: tbc</i>
15:30 - 15:40	<b>Janice Layhadi</b> Role of Interleukin-35 in sublingual allergen immunotherapy
15:40 - 15:50	<b>Lorenz Kretschmer</b> Antigen-dependence of cell-cycle speed during priming shapes CD8 T-cell memory
15:50 - 16:00	<b>Roel De Maeyer</b> Sestrins induce natural killer function in senescent CD8+ T cells
16:00 - 16:10	<b>Cindy Hoeks</b> Cytotoxic CD4 T cells escape suppression by regulatory T cells while promoting suppression of conventional helper T cells
16:10 - 16:20	<b>Ayca Sayi Yazgan</b> Helicobacter- stimulated B-cells drive Tr1 cell differentiation through PD-1/PD-L1
16:20 - 16:30	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
<b>Workshop 8</b>	<b>ILC's, NK cells and dendritic cells</b>
<i>Room: Davos 2</i>	<i>Chairs: tbc</i>
15:30 - 15:40	<b>Aline Pfefferle</b> Subset plasticity and functional reprogramming during Natural Killer cell homeostasis
15:40 - 15:50	<b>Qibo Zhang</b> Relationship between group 3 innate lymphoid cells (ILC3) and Th17 in human nasopharynx-associated lymphoid tissue and their association with pneumococcal carriage
15:50 - 16:00	<b>Kazunari Sugita</b> Human type 2 innate lymphoid cells disrupt skin keratinocyte tight junction barrier by IL-13
16:00 - 16:10	<b>Laura Passeri</b> Dendritic cell-based antigen-specific immunotherapy to modulate T cell responses <i>in vivo</i>
16:10 - 16:20	<b>Larissa Hering</b> Loss of PTPN2 in dendritic cells promotes increased T cell response and elevated expression of co-stimulatory molecules
16:20 - 16:30	<b>Bernhard Ryffel</b> Acetylcholine producing innate lymphoid cells promote protease driven allergic lung inflammation
<b>Workshop 9</b>	<b>Novel vaccines, delivery systems and drug discovery methods</b>
<i>Room: Forum</i>	<i>Chairs: tbc</i>
15:30 - 15:40	<b>Öykü Üzülmez</b> A plant-based transient expression system for the production of nature-identical allergens
15:40 - 15:50	<b>Sigrídur Jonsdóttir</b> Safety profile of vaccination against self-protein in horses using eIL-5-CuMV
15:50 - 16:00	<b>Julia Wagner</b> Stimuli-responsive nanoparticles as a novel delivery system for TLR7 agonists in cancer immunotherapy
16:00 - 16:10	<b>Fabienne Charrier-Savournin</b> Novel sting platform for new compounds discovery
16:10 - 16:20	<b>Sara Björk Stefánsdóttir</b> Barley produced Culicoides allergens are suitable for diagnosis of insect bite hypersensitivity
16:20 - 16:30	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
17:00 - 17:15	<b>Award Ceremony for workshop prizes of workshops 4 - 6</b> , Room: Davos 1
19:30	<b>Poster presentations of workshops 7 - 12</b> , Room: Main Corridor

## 4. Day - Tuesday, 9 April 2019

<b>Workshop 10</b>	<b>Innovative diagnostics and precision medicine</b>
<i>Room: Davos 1</i>	<i>Chairs: tbc</i>
15:00 - 15:10	<b>Jochen Behrends</b> Basophil activation test: simplified, fully automated and time independent in combination with high specificity as well as sensitivity using the example of natural oleosins
15:10 - 15:20	<b>Adam Flaczyk</b> Visualization of the microvasculature in a critically ill patient with recently diagnosed systemic mastocytosis
15:20 - 15:30	<b>Peter Rhein</b> Immunophenotyping extracellular vesicles using amnis imaging technology
15:30 - 15:40	<b>Olga Elisyutina</b> Bet v 1-specific IgE levels and PR10 cross-1 reactivity discriminate children with different allergic symptoms from children with clinically silent IgE sensitization
15:40 - 15:50	<b>Dries Van Elst</b> A serum proteomics approach in search of AIT efficacy biomarkers for allergic rhinitis-asthma patients
15:50 - 16:00	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
<b>Workshop 11</b>	<b>Neuroimmunology</b>
<i>Room: Davos 2</i>	<i>Chairs: tbc</i>
15:00 - 15:10	<b>Paulien Baeten</b> Regulatory T cells have a distinct migratory phenotype in relapsing-remitting multiple sclerosis patients
15:10 - 15:20	<b>Matthias Ebbinghaus</b> Amelioration of antigen-induced arthritis flare-up in mice carrying a sensory neuron-specific sodium channel mutation
15:20 - 15:30	<b>Ahmet Eken</b> Modulation of IL-22 and Reg3γ affects experimental autoimmune Encephalomyelitis Severity
15:30 - 15:40	<b>Luca Marchetti</b> The role of endothelial ICAM-1 and ICAM-2 in Th1 and Th17 cell migration across the blood-brain barrier in vitro and <i>in vivo</i>
15:40 - 15:50	<b>Francesca Ronchi</b> The role of intestinal microbiota in central nervous system homeostasis
15:50 - 16:00	<b>Bruno Silva-Santos</b> Interleukin-17 determines brain-derived neurotrophic factor levels and short-term learning
<b>Workshop 12</b>	<b>Neutrophils, eosinophils and basophils</b>
<i>Room: Forum</i>	<i>Chairs: tbc</i>
15:00 - 15:10	<b>Marcela Vlkova</b> Granulocytes in COVID patients are activated and possess suppressory function
15:10 - 15:20	<b>Maxime Batignes</b> Polymorphonuclear neutrophils and regulatory T lymphocytes (Treg) cooperate to sustain Treg activity but this interaction is altered in rheumatoid arthritis patients
15:20 - 15:30	<b>Eva Rakasz</b> Flow cytometric quantitation of neutrophil progenitors in human and rhesus macaque bone marrow
15:30 - 15:40	<b>Shane Vontelin van Breda</b> Regulation of neutrophil extracellular traps by phosphodiesterase 4 inhibition
15:40 - 15:50	<b>Lenka Vokalova</b> A pregnancy specific glycoprotein and its immune-regulatory potential in human gestation
15:50 - 16:00	<b>Free slot</b> <i>will be selected from Late Breaking Abstracts</i>
12:00 - 12:10	<b>Award Ceremony for workshop prizes of workshops 7 - 9</b> , Room: Davos 1 <b>Award Ceremony for workshop prizes of workshops 10 - 12</b> ( <i>will be given directly after the workshops by the chairpersons</i> )