

1. Day - Wednesday, 14 March 2018

Workshop 1	Dendritic cells
<i>Room: Davos 1</i>	<i>Chairs: Marianne Spalinger, Hai Qi</i>
14:20 - 14:30	W01 Larissa Hering Loss of PTPN2 in dendritic cells promotes T cell activation and expression of co-stimulatory molecules
14:30 - 14:40	W02 Katrien van der Borcht Myocardial infarction primes autoreactive T cells through activation of dendritic cells
14:40 - 14:50	W03 Aleksandra Altobelli The <i>Helicobacter pylori</i> immunomodulator VacA suppresses Th17 and favors regulatory T-cell responses by targeting CD11b+ dendritic cells and impairing their IL-23 production
14:50 - 15:00	W04 Alba Angelina Querencias The cannabinoid receptor agonist WIN55,212-2 promotes anti-inflammatory responses in human dendritic cells
15:00 - 15:10	W05 Ling Xiao Authentic human milk oligosaccharides induce human tolerogenic dendritic cells and consequently expand functional regulatory T cells
15:10 - 15:20	W06 Kalliopi Thanopoulou Development of CD11c CD103 DTR mice through a two-gene approach enables the functional study of the CD103 positive DC subset
15:20 - 15:30	W07 Nicole Leib AhR mediates an anti-inflammatory feedback mechanism in human Langerhans cells involving FcεpsilonRI andIDO
Workshop 2	T and B cell memory and immune regulation
<i>Room: Davos 2</i>	<i>Chairs: Dirk Brenner, Mohamed Shamji</i>
14:20 - 14:30	W08 Sarah Adamo Re-establishment of tolerance through selective expansion of T regulatory cells
14:30 - 14:40	W09 Kirstin Jansen <i>In vivo</i> T regulatory cell regulation during human rhinovirus infection
14:40 - 14:50	W10 Ee Lyn Lim Phosphoinositide-3-kinase-delta as a regulator of regulatory T cell suppressive function
14:50 - 15:00	W11 Kea Martin Treg reduction and impaired energy enforcement leads to a T cell-driven inflammatory pathology in MALT1 protease-deficient mice
15:00 - 15:10	W12 Gregory Verdeil The transcription factor MAF regulates homeostasis in colonic T cells
15:10 - 15:20	W13 Erik Wambre Role of IL-33 in modulating human pro-allergic TH2 cell responses
15:20 - 15:30	W14 Nathan Karin CCR8+FOXP3+ Treg cells as master drivers of immune regulation
Workshop 3	Innate immune response
<i>Room: Forum</i>	<i>Chairs: Nagihan Bostanci, Oscar Palomares</i>
14:20 - 14:30	W15 Cecilie Egholm Interleukin-4 receptor signaling in neutrophils
14:30 - 14:40	W16 Ana Amorim IFNγ controls the monocyte to phagocyte transition during tissue inflammation
14:40 - 14:50	W17 Bernhard Ryffel PGAM5 dependent ozone induced respiratory injury and inflammation
14:50 - 15:00	W18 Urszula Radzikowska House dust mite exposure and rhinovirus infection induces marked activation of inflammasome in asthmatic airway epithelium
15:00 - 15:10	W19 Michel Dosch Autocrine modulation of macrophage activation via connexin 43 dependent ATP release determines sepsis outcome
15:10 - 15:20	W20 Akimasa Adachi Glucocorticoids mediate the exercise-induced immunosuppression by guiding the blood-circulating immune cells to bone marrow via CXCR4-CXCL12 axis
15:20 - 15:30	W21 Karen Mackenzie cGAS surveillance of micronuclei is linked to innate immune activation
19:30	Poster presentations of workshops 1 - 3, Room: Main Corridor

2. Day - Thursday, 15 March 2018

Workshop 4	B cell subsets and immune regulation
<i>Room: Davos 1</i>	<i>Chairs: Claudia Mauri, Scott Boyd</i>
14:35 - 14:45	W22 Monique Vogel A novel recycling mechanism of IgE immune complexes in human B cells for antigen presentation
14:45 - 14:55	W23 Sandra Nielsen Analysis of B cell IgE responses to environmental factors in infancy and childhood
14:55 - 15:05	W24 Willem van de Veen Probing the allergen-specific B cell repertoire in a human model of high-dose allergen exposure-induced immune tolerance
15:05 - 15:15	W25 Oliver Wirz <i>In-vivo</i> regulation of B cells during human experimental rhinovirus challenge
15:15 - 15:25	W26 Kristine Oleinika CD1d is critical for the IL-10-independent suppressive function of regulatory B cells
15:25 - 15:35	W27 Ali Önder Yildirim Immuno-metabolomic regulation of EBI2 guided B cell positioning drives COPD pathogenesis
Workshop 5	Innate lymphoid cells
<i>Room: Davos 2</i>	<i>Chairs: Günnur Deniz, Hideaki Morita</i>
14:35 - 14:45	W28 Ahmet Eken Sphingosine 1 phosphate 1 receptor agonists Fingolimod and SEW2871 impact innate lymphoid cell biology
14:45 - 14:55	W29 Matthias Vanderkerken Innate lymphoid cells control the homeostasis of splenic type 2 dendritic cells via the lymphotoxin beta receptor pathway
14:55 - 15:05	W30 Sara Trabanelli ILC-k: human innate lymphoid cells displaying unique metabolic features and KIR-independent cytotoxicity, impaired in Acute Myeloid Leukemia
15:05 - 15:15	W31 Sara Trabanelli ILC3 NCR- are enhanced in children with celiac disease
15:15 - 15:25	W32 Wolfram Hoetzenecker PD1-positive tumor-infiltrating lymphocytes are associated with poor clinical outcome after pulmonary metastasectomy for colorectal cancer
15:25 - 15:35	W33 Keisuke Orimo Butyrate and propionate regulate proliferation and activation of human group-2 innate lymphoid cells (ILC2s)
15:35 - 15:45	W34 Elke Scandella CCL19-expressing fibroblastic reticular cells form an important lymphotoxin-beta receptor-dependent niche for intestinal innate lymphoid cells
Workshop 6	Tumor and antigen-specific immune regulation
<i>Room: Forum</i>	<i>Chairs: Emmanuella Guenova, Lukas Flatz</i>
14:35 - 14:45	W35 Lukas Flatz Anti-PD-1 induced toxicity reveals shared cancer and tissue antigens
14:45 - 14:55	W36 Angelique Pabois AP-1 monocytes: a gateway for metastasis in human breast cancer
14:55 - 15:05	W37 Julian Mario Stark Th2 cell metabolism
15:05 - 15:15	W38 Nahzli Dilek Preclinical development of rationally optimized T cell receptors for melanoma immunotherapy
15:15 - 15:25	W39 Sofia Mensurado Tumor-associated neutrophils suppress pro-tumoral IL-17+ gamma-delta T cells through induction of oxidative stress
15:25 - 15:35	W40 Camilla Jandus High-throughput screening of human tumor-antigen specific CD4 T cells, including neo-antigen reactive cells
15:35 - 15:45	W41 Jessica Dal Col Tyrosine kinase inhibitor Gefitinib affects immune-associated proteins with impact on innate immunosurveillance in non-small cell lung cancer models
17:15 - 17:30	Award Ceremony for workshop prizes of workshops 1 - 3, Room: Davos 1
19:30	Poster presentations of workshops 4 - 6, Room: Main Corridor

3. Day - Friday, 16 March 2018

Workshop 7	Autoimmunity
<i>Room: Davos 1</i>	<i>Chairs: Urs Christen, Thomas S. Kupper</i>
15:20 - 15:30	W42 Jens Geginat IL-10 producing CCR6+T-cells are a distinct population of B-helper T-cells that play a pathogenic role in systemic lupus erythematosus
15:30 - 15:40	W43 Mathieu Sawaf Defective BTLA functionality is rescued by restoring lipid metabolism in lupus CD4+ T cells
15:40 - 15:50	W44 Claudia Haftmann Loss of NIK in thymic epithelial cells leads to fatal autoimmunity through aberrant Treg development
15:50 - 16:00	W45 Myrthe van Delft The anti-carbamylated protein antibody response in Rheumatoid Arthritis patients; isotype distribution, avidity and molecular composition
16:00 - 16:10	W46 Ivan Jelcic HLA-DR-dependent B - T cell interactions activate and maintain autoreactive brain-homing T cells in multiple sclerosis
16:10 - 16:20	W47 Mawieh Hamad 17- β estradiol-induced disruption of intracellular iron homeostasis enhances the expression of CD62L and IL-1 α and downregulates the synthesis of IL-10 in mononuclear leukocytes
16:20 - 16:30	W48 David Funda Live probiotic bacterium Lactobacillus casei DN-144 001 ameliorates type 1 diabetes in both SPF and germ-free NOD mice
Workshop 8	Mucosal immunity
<i>Room: Davos 2</i>	<i>Chairs: Evangelos Andreacos, James E. Gern</i>
15:20 - 15:30	W49 Mei Lan Chen The xenobiotic transporter Mdr1 permits T cell adaptation to bile acid reabsorption in the ileum
15:30 - 15:40	W50 Isabelle Couillin NLRP6 shapes lung inflammation to cigarette smoke through the control of neutrophilic chemokine secretion in lung and gut
15:40 - 15:50	W51 Marcin Wawrzyniak Oral gavage of spermine and spermidine reduces HDM-induced lung allergic inflammation
15:50 - 16:00	W52 Marianne Spalinger Loss of PTPN22 abrogates the beneficial effect of fecal microbiota transfer
16:00 - 16:10	W53 Thomas Naessens Human lung CD1c+ dendritic cells orchestrate local humoral responses
16:10 - 16:20	W54 Sae-Hoon Kim Upper airway microbiome and distinct functional metagenomic profiles in adult asthmatics
16:20 - 16:30	W55 Jens Geginat Intestinal IFN- γ -producing Tr1-cells co-express CCR5 and PD-1, and down-regulate IL-10 in the inflamed gut of IBD patients
Workshop 9	System's biology
<i>Room: Forum</i>	<i>Chairs: Milena Sokolowska, Bernhard Ryffel</i>
15:20 - 15:30	W56 Cagatay Karaaslan Immune regulatory role of human bocavirus I
15:30 - 15:40	W57 Stefan Emming Mechanisms of regulation of human T cell activation and GM-CSF production
15:40 - 15:50	W58 Beate Hagl Hyper-IgE syndrome caused by a novel STAT3 mutation close to the tyrosine 705 phosphorylation site
15:50 - 16:00	W59 Bruno Silva-Santos MicroRNA-146a controls IFN-gamma production and the functional plasticity of innate-like gamma-delta T cells
16:00 - 16:10	W60 Anh Thu Dang BTN3A1-3 genes as novel transcriptional targets of NLRC5
16:10 - 16:20	W61 Iris Gratz Novel circulating CD4 T cells with unique functional properties that are related to skin resident memory cells
16:20 - 16:30	W62 Daniel Campbell Functional specialization of human CD4+ effector and regulatory T cells revealed by RNA-seq
17:00 - 17:15	Award Ceremony for workshop prizes of workshops 4 - 6, Room: Davos 1
19:30	Poster presentations of workshops 7 - 12, Room: Main Corridor

4. Day - Saturday, 17 March 2018

Workshop 10	Novel vaccines, biologicals and treatments
<i>Room: Davos 1</i>	<i>Chairs: Armin Braun, Thomas Kündig</i>
15:00 - 15:10	W63 Marat Khodoun Anti-human Fc epsilon RI alpha (FcεRIα) monoclonal antibody (mAb)-mediated therapy suppresses established IgE-mediated disease in humanized mice
15:10 - 15:20	W64 Takashi Kishimoto Early clinical development of a novel strategy to mitigate immunogenicity of a biologic drug: monthly dosing of a pegylated uricase (pegsiticase) with SVP-rapamycin enables sustained reduction of serum uric acid levels by mitigating formation of anti-drug
15:20 - 15:30	W65 Natascha Wuillemin Human monoclonal antibodies as prophylactic treatment for severe allergies
15:30 - 15:40	W66 Oscar Palomares Aluminium hydroxide impairs tolerogenic properties imprinted by allergoids conjugated to nonoxidized mannan in dendritic cells
15:40 - 15:50	W67 Sulayman Benmerzoug GM-CSF targeted therapy impairs host response to <i>M. tuberculosis</i> infection
15:50 - 16:00	W68 <i>withdrawn</i>
Workshop 11	Allergy and asthma
<i>Room: Davos 2</i>	<i>Chairs: Anna Sediva, Ali Önder Yildirim</i>
15:00 - 15:10	W69 Sandra Andorf Immunophenotyping of changes in the immune system during successful desensitization in multi-food OIT with omalizumab
15:10 - 15:20	W70 Ozlem Bulut Contribution of exosomes to the course of allergen specific immunotherapy
15:20 - 15:30	W71 Weronika Barcik Bacterial-derived histamine influences lung inflammatory responses
15:30 - 15:40	W72 Nincy Debeuf ORMDL3 expression levels do not affect house dust mite-driven allergic asthma development
15:40 - 15:50	W73 Julie Deckers Co-activation of GR and PPARγ in murine skin prevents worsening of atopic march
15:50 - 16:00	W74 Paul Lavender Abnormal epigenetic landscape of the asthmatic airways
Workshop 12	Epithelium
<i>Room: Forum</i>	<i>Chairs: Sefik Alkan, Peter Ernst</i>
15:00 - 15:10	W75 Luca Ricciardi Altered expression of the RNA-binding protein AUF-1 in airway epithelial cells: posttranscriptional mechanisms of lung inflammatory responses
15:10 - 15:20	W76 Andrea Mauracher Epithelial proliferation in inflammatory skin disease is regulated by Ttc7 in fibroblasts and lymphocytes
15:20 - 15:30	W77 Brecht Steelant Blocking histone deacetylase activity as a novel treatment for epithelial barrier dysfunction in allergic rhinitis and asthma
15:30 - 15:40	W78 Igor Shilovskiy Respiratory syncytial virus but not allergic inflammation induces IL-33 expression in lungs
15:40 - 15:50	W79 Ulrika Islander Type I interferon signalling in fibroblastic reticular cells secures optimal antiviral immunity
15:50 - 16:00	W80 Matthew Burgess Serum from <i>Heligmosomoides polygyrus</i> infection is sufficient to induce an anti-viral state in the murine lung and protect against respiratory syncytial virus infection
12:00 - 12:10	Award Ceremony for workshop prizes of workshops 7 - 9 , Room: Davos 1 Award Ceremony for workshop prizes of workshops 10 - 12 (will be given directly after the workshops by the chairpersons)