

Session 1		Th17 vs Treg: effector vs regulatory T cell responses
<i>Chairs: Cezmi Akdis, Burkhard Becher</i>		
08:30 - 09:00	S01	Francesco Annunziato Molecular control of Th17 responses
09:00 - 09:30	S02	Jeffrey Bluestone Manipulating Tregs to control tolerance in autoimmunity and cancer
09:30 - 09:45	S03	Dirk Brenner cROSSroads between metabolic regulation and T cell functionality
09:45 - 10:00	S04	Mohamed Shamji Epigenetic changes in SATB1 gene in FoxP3+ regulatory T cells reflect immunetolerance status during grass pollen immunotherapy
10:00 - 10:30	<i>Coffee break</i>	
Session 2		T cells and B cells in tissues and immune response
<i>Chairs: Yuka Kanno, Onur Boyman</i>		
Highlights of Novel Technologies (5 min.)		
10:30 - 10:35	Jörg Schlegel, Zellkraftwerk New 100-plex assay for analysis of precious samples in clinical and preclinical studies	
10:35 - 11:05	S05	Simon Fillatreau Identification of natural regulatory plasma cells
11:05 - 11:35	S06	Hai Qi dTfh positioning and memory B-cell development in the germinal center
11:35 - 12:05	S07	Mübeccel Akdis Regulatory and effector B cell subsets
12:05 - 12:20	S08	Frank Brombacher IL-4-producing B cells regulate T helper cell dichotomy in type 1- and type 2-controlled diseases
12:20 - 14:20	<i>Lunch break</i>	
14:20 - 15:30	Workshops 1 - 3 (please see workshop program)	
Meet the Expert Session		
15:45 - 16:45	Alberto Mantovani Wandering pathways in innate immunity and inflammation: the value of swimming countercurrent and challenges ahead	
16:45 - 17:20	<i>Coffee break</i>	
17:20 - 17:30	Cezmi Akdis Opening Address	
Session 3		Type 2 immune response
<i>Chairs: Mübeccel Akdis, Francesco Annunziato</i>		
17:30 - 18:00	S09	Onur Boyman Type 2 immune responses compromise innate immunity
18:00 - 18:30	S10	Judith E. Allen Type 2 cytokine amplification of macrophage function
18:30 - 18:45	S11	Giulia Pasqual A cellular lipstick to label cell-cell interactions <i>in vivo</i>
18:45 - 19:00	S12	Yan Li Modeling IL-2 therapy in human immune system mice reveals the critical role of regulatory T cells to control toxicity
19:00 - 22:00	<i>Dip & Discuss Dinner Buffet</i>	
19:30	Poster Sessions 1 - 4 , Room: Foyer A1 (please see poster program) Poster presentations of workshops 1 - 3 , Room: Main Corridor	

Session 4		Regulation of innate immunity
<i>Chairs: Liam O'Mahony, Hans-Uwe Simon</i>		
08:30 - 09:00	S13	Alberto Mantovani The yin-yang of innate immunity, inflammation and cancer
09:00 - 09:30	S14	Claudia Mauri B cell bridge in innate and adaptive immunity
09:30 - 10:00	S15	Edward J. Pearce Metabolic regulation of innate immune cell activation
10:00 - 10:30		<i>Coffee break</i>
Session 5		Cytokines in chronic inflammation and autoimmunity
<i>Chairs: Kenji Kabashima, Alberto Mantovani</i>		
Highlights of Novel Technologies (5 min.)		
10:30 - 10:35		Amy Hamilton, Fluidigm Fluidigm: Tools for translational immune system research
10:35 - 11:05	S16	Burkhard Becher Chronic inflammatory diseases: Autoimmunity or cytokine miscommunication
11:05 - 11:35	S17	Sergei Nedospasov Cell type-restricted anti-cytokine therapy
11:35 - 11:50	S18	Hans-Uwe Simon Neutrophil extracellular trap formation requires OPA1-regulated glycolytic ATP production
11:50 - 12:05	S19	Robert Weissert Immune reactivity of T cells in patients with multiple sclerosis
Validation & Immunoassays Symposium (<i>free lunch provided to first 200 attendees</i>)		
12:30 - 13:30		Homero Sepulveda & Markus Mihalits, Thermo Fisher Scientific Techniques and technologies to improve productivity for immunologists
13:30 - 14:35		<i>Lunch break</i>
14:35 - 15:45		Workshops 4 - 6 (<i>please see workshop program</i>)
15:45 - 16:15		<i>Coffee break</i>
Special Lecture		
16:15 - 17:15		Ben Moore Life out there amongst the stars
17:15 - 17:25		Award Ceremony for poster & workshop prizes of day 1
Session 6		Skin and gut inflammation and immunity
<i>Chairs: Frank Brombacher, Peter Schmid-Grendelmeier</i>		
17:30 - 18:00	S20	Thomas S. Kupper Factors controlling tissue resident T cells in inflammatory disorders
18:00 - 18:30	S21	Kenji Kabashima The immunology of IL-31 and itch
18:30 - 18:45	S22	Ahmet Ozen CD55 deficiency, early-onset protein-losing enteropathy, and thrombosis
18:45 - 19:00	S23	Jeremy Di Domizio The differential production of IL-26 vs. IL-17 by Th17 cells contributes to the development of different forms of psoriasis
19:00 - 22:00		<i>Dip & Discuss Dinner Buffet</i>
19:30		Poster Sessions 5 - 9 , Room: Foyer A1 (<i>please see poster program</i>) Poster presentations of workshops 4 - 6 , Room: Main Corridor

Session 7		Systemic immune responses and autoimmunity
		<i>Chairs: Simon Fillatreau, Stephen Galli</i>
08:30 - 09:00	S24	Timothy Radstake Molecular re-classification of immune mediated diseases - a focus on systemic immune mediated diseases
09:00 - 09:30	S25	Thomas Anthony Wynn Type 2 immunity in metabolic disease, liver regeneration, and NASH-driven fibrosis
09:30 - 09:45	S26	Corrado Cilio Cross talk between tissue specific APCs, resident memory T cells and beta cells in human pancreas: towards a better understanding of pancreas immune surveillance and type 1 diabetes
09:45 - 10:00	S27	Christoph Schneider Interleukin-25 enables small intestinal adaptability to eukaryotic pathosymbionts
10:00 - 10:30		<i>Coffee break</i>
Session 8		Anti-viral immunity and immune regulation
		<i>Chairs: Corrado Cilio, François Hentges</i>
10:30 - 11:00	S28	Evangelos Andreakos Type I and type III interferons in anti-viral immunity and immune regulation
11:00 - 11:30	S29	James E. Gern Rhinoviruses, airway bacteria and asthma
11:30 - 11:45	S30	Armin Braun Transcriptomic analyses reveal anti-viral responses of epithelial cells and multiple immune cell types in HRV infected human lung tissue
11:45 - 12:00	S31	Cedric Bosteels Respiratory virus infection reveals temporary functional IRF8 module in hyperactivated subset of type 2 conventional dendritic cells
12:00 - 15:20		<i>Lunch break</i>
15:20 - 16:30		Workshops 7 - 9 (please see workshop program)
16:30 - 17:00		<i>Coffee break</i>
17:00 - 17:10		Award Ceremony for poster & workshop prizes of day 2
Session 9		Molecular control of autoimmunity
		<i>Chairs: Jeffrey Bluestone, Klaus Erb</i>
17:15 - 17:45	S32	Daniel L. Mueller CD4+ T cell anergy prevents autoimmunity and generates regulatory T cell precursors
17:45 - 18:15	S33	Lars Nitschke Siglecs on B cells and pDCs: inhibiting signaling and preventing autoimmunity
18:15 - 18:30	S34	Johan Verhagen <i>In vivo</i> tolerance induction using proinsulin-derived peptides in an inducible model of type-1 diabetes
18:30 - 18:45	S35	Peter Ernst The DNA repair enzyme apurinic/apyrimidinic endonuclease 1 (APE1) inhibits the production of reactive oxygen species (ROS) and DNA damage induced by innate responses to commensal and cancer-associated bacteria
19:00 - 22:00		<i>Dip & Discuss Dinner Buffet</i>
19:30		Poster Sessions 10 - 13 , Room: Foyer A1 (please see poster program) Poster presentations of workshops 7 - 12 , Room: Main Corridor

Session 10		T and B cell responses in vaccination, food allergy and helminth infection
<i>Chairs: Claudio Rhyner, Thomas Anthony Wynn</i>		
08:30 - 09:00	S36	Scott Boyd B cell repertoire responses in the allergic gastrointestinal tract
09:00 - 09:30	S37	Kari Nadeau Immune mechanisms of food allergy and tolerance
09:30 - 09:45	S38	Isabelle Arnold Eosinophils suppress Th1 responses and restrict bacterially induced gastrointestinal inflammation
09:45 - 10:00	S39	Milena Sokolowska Transcriptomic and proteomic signature of allergen-specific CD4+T and regulatory T cells during allergen-specific immunotherapy
10:00 - 10:30		<i>Coffee break</i>
Session 11		Molecular mechanisms of inflammation vs tolerance
<i>Chairs: Kari Nadeau, Roger Lauener</i>		
10:30 - 11:00	S40	Stephen J. Galli Mast cells and asthmatic inflammation
11:00 - 11:30	S41	Hamida Hammad Role of innate immune cells in Th2 sensitisation to house dust mite allergen
11:30 - 11:45	S42	Charlène Niogret IL-15 response in natural killer cells requires the tyrosine phosphatase Shp-2 for proper metabolic activation
11:45 - 12:00	S43	Yuka Kanno Global views of lymphocyte heterogeneity and function
12:00 - 12:10		Award Ceremony for lottery, poster & workshop prizes of day 3
12:10 - 15:00		<i>Lunch break</i>
15:00 - 16:00 subsequently		Workshops 10 - 12 (please see workshop program) Award Ceremony for workshop prizes of day 4 (will be given directly in the workshop rooms by the chairpersons)
16:00 - 16:30		<i>Coffee break</i>
Session 12		Novel mechanisms of autoinflammation
<i>Chairs: Katja Baerenfaller, Claudia Traidl-Hoffmann</i>		
16:30 - 17:00	S44	John B. Harley Transcription factors in mechanisms of immune disease risk
17:00 - 17:30	S45	Mireia Sospedra Ramos Analyzing brain-infiltrating T cells and unbiased detection of novel autoantigens in multiple sclerosis
17:30 - 17:45	S46	Chris Tibbitt Understanding the role T helper cells during asthmatic inflammation
17:45 - 18:00	S47	Liam O'Mahony Bidirectional microbiome-immune communication in obesity
18:00 - 18:10		Cezmi Akdis Closing Address
20:00		<i>Dinner & Dance Gala Night</i>