

IMMUNOLOGY WINTER SCHOOL 2024 Zakopane, Poland 08-11 January Basic Immunology Research in Allergy and Clinical Immunology



🛗 Monday 8 January



EAACI Winter School 2024

Mon 8 Jan	Welcome Reception
17:30 - 18:30	Other

Mon 8 Jan 18:30 - 19:00	Introduction to the Winter School Other
	oduction to the Winter School na Sokolowska (Switzerland)
	oductin to the Winter School (remotely) ano Del Giacco (Italy)
	oduction to the Winter School (remotely) ás Chivato (Spain)

Introduction to the Winter School Maciej Kupczyk (Poland)

Mon 8 Jan 19:00 - 20:00 Keynote 1: The role of tissue resident B cells in the regulation of antibody responses

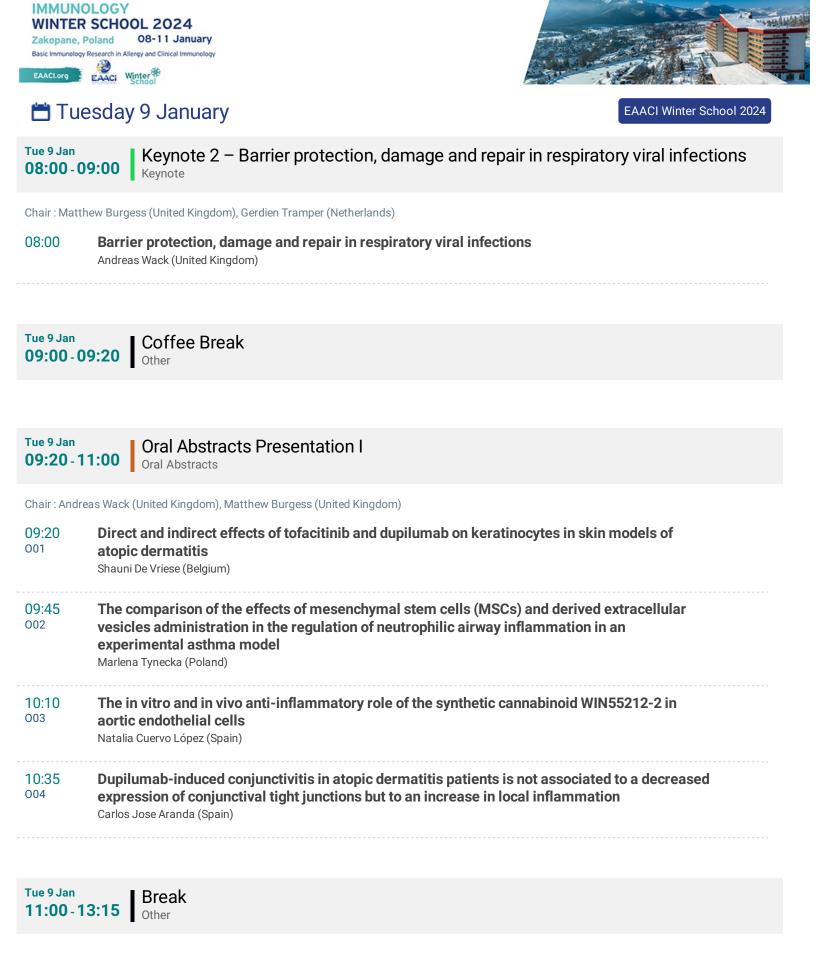
Chair : Milena Sokolowska (Switzerland), Cristobalina Mayorga (Spain)

 19:00
 The role of tissue resident B cells in the regulation of antibody responses

 Louisa James (United Kingdom)

Mon 8 Jan 20:00 - 22:00

Dinner Other



Zakopane, I	R SCHOOL 2024	
Tue 9 Jan 13:30 - 1	16:00 Practical Course Session	
Chair : Wojci	ciech Feleszko (Poland)	
13:30	PC Session 1 : Post-biotics-a step too far beyond pre- and probiotics? Wojciech Feleszko (Poland)	
13:50	PC Session 2 : Vaccinations in immunodeficiencies-from basic concep Francesco Cinetto (Italy)	ts to the patient's bed
14:10	PC Session 3 : Novel toolbox in biologics in T2 dependent diseases Thomas Eiwegger (Austria)	
14:30	Coffee Break	
15:00	PC Session 4 : Dangerous liaisons Between Bacteria, Antimicrobial The Diseases Gerdien Tramper (Netherlands)	erapies, and Allergic
15:20	PC Session 5 : Nutrition and immune system: a complicated tango Carina Venter (United States of America), David Fleischer (United States of America)	
15:40	PC Session 6 : Separating Fact from Fiction in AllergoOncology Erika Jensen-Jarolim (Austria)	

Tue 9 JanCoffee Break16:00 - 16:30Other

Tue 9 Jan	Keynote 3 – Tissue resident T cells; generation and maintenance Keynote
10:30 - 17:30	Keynote

Chair : Thomas Eiwegger (Austria), Rubén Fernández-santamaría (Spain)

16:30 **Tissue resident T cells; generation and maintenance** Marc Veldhoen (Portugal)

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Tue 9 JanCoffee Break17:30 - 17:50Other

Tue 9 Jan **Oral Abstracts Presentation II** 17:50 - 19:30 Oral Abstracts

Chair : Marc Veldhoen (Portugal), Gómez-Casado Cristina (Spain)

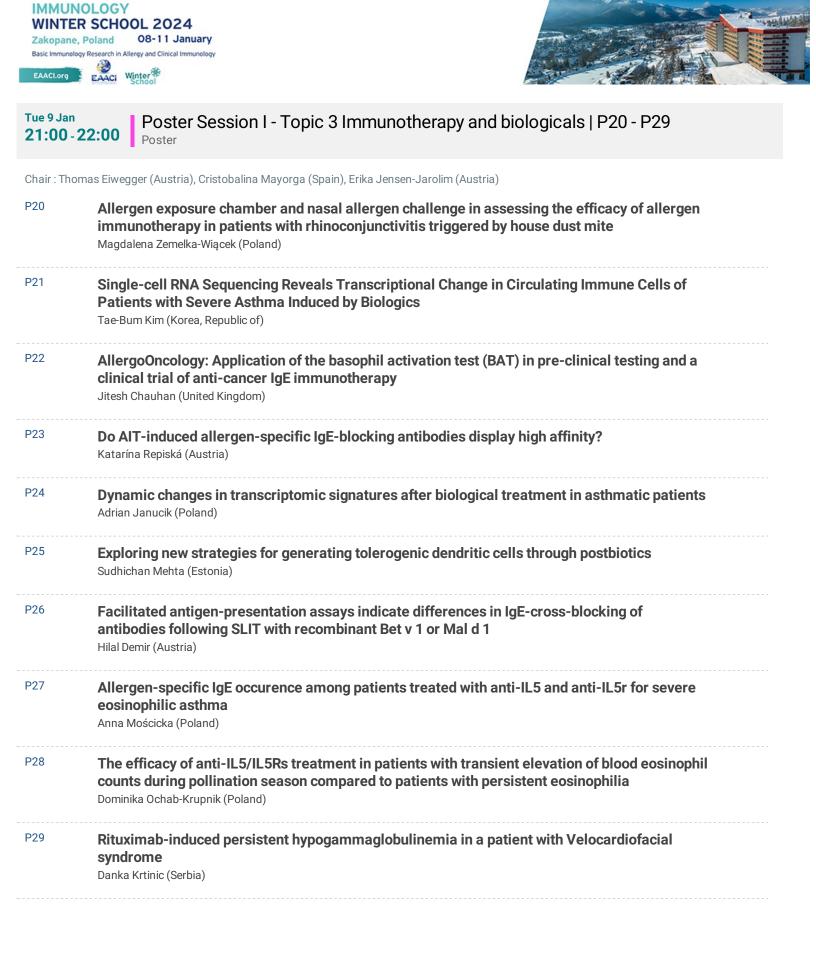
Dinner

17:50	High suppression of gamma delta T cells in glioblastoma multiforme patients' blood
005	Natalia Lehman (Poland)
18:15	The role of IgE and T regulatory cells in the pathophysiology of Crohn's disease
006	Andrés de la Rocha-Muñoz (Spain)
18:40 007	Frequency of changes in immunoglobulins, B-cells, and B-regulatory cells in patients with immediate hypersensitivity reactions to amoxicillin over time after the acute reaction Rubén Fernández-santamaría (Spain)
19:05 008	Metabolomics of circulating human memory CD4+ T effector and T regulatory cells reveals that Phenylalanine is a metabolic checkpoint of pathogenic Th2 cell development Abhijeet J Kulkarni (Switzerland)

Tue 9 Jan 19:30-21:00 Other

Zakopane Basic Immunolo EAACI.org	e, Poland 08-11 January ogy Research in Allergy and Clinical Immunology EAAC: Winter*
Tue 9 Jan 21:00 - 3	\mathbf{F}
Chair : Ger	dien Tramper (Netherlands), Matthew Burgess (United Kingdom), Andreas Wack (United Kingdom)
P02	Rhinovirus HRV16 may limit the replication of coronavirus HCoV-229E during infection of the lung vascular endothelium Mateusz Gawrysiak (Poland)
P03	The potential protective effect of eosinophils in the respiratory viral infection of human lung vascular endothelium Jonatan Rataj (Poland)
P04	Association between vitamin D receptor gene polymorphisms Taql, Fokl and vitamin D levels in patients with atopy Daina Bastyte (Lithuania)
P05	Different effects of acute and chronic inflammation on lung remodeling in experimental asthma models Alicja Walewska (Poland)
P06	Human rhinovirus HRV16 and IL-33 may up-regulate inhibitory checkpoint molecule genes in the human lung microvascular endothelium Adrian Bekier (Poland)
P07	Immunocytological pulmonary response to chronic inhalation of hypochloric acid (HOCI) fog in rats Anna Gil (Poland)
P08	Analysis of miRNAs expression in patients with NSAIDs exacerbated respiratory disease Adrian Gajewski (Poland)
P09	Maternal caffeine intake during pregnancy and the risk of childhood asthma by 10 years of age – Evidence from The Generation XXI birth cohort study Francisca Castro Mendes (Portugal)
P10	Disease remission in severe asthma patients on mepolizumab treatment: Polish real-life data Piotr Damiański (Poland)

WINTI Zakopan	VNOLOGY TER SCHOOL 2024 ne, Polan 08-11 January nology Research in Allergy and Clinical Immunology Texe: Where?
Tue 9 Jan 21:00	Poster Session I - Topic 2 Adaptive/innate immunity P11 - P19 Poster Poster
Chair : Lu	uke AJ O'Neill (Ireland), Marc Veldhoen (Portugal), Milena Sokolowska (Switzerland)
P11	Inflammation May Play a Role in the Prognosis of Ataxia-Telangiectasia: Evaluation of Urine and Serum Pterins Hatice Betul Gemici Karaaslan (Türkiye)
P12	Inflammatory profiles in patients with asthma and concomitant sarcoidosis- data from a tertiary pulmonary center Piotr Lacwik (Poland)
P13	Variable Clinical Presentation of DCLRE1C Deficiency from Childhood to Adulthood Esra Hazar (Türkiye)
P14	Immunological Patient Stratification in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Johanna Rohrhofer (Austria)
P16	Modulation of Proinflammatory Cytokines by Essential Oils: Implications for Inflammatory Conditions Sevan Iritsyan (Armenia)
P17	Notch4 and lung tolerance: Treg cells as a new suspect for a new threat Shadi Hambo (Germany)
P18	Should we start discussing inflammation types in cancer patients? Peripheral blood eosinophilia as a prognostic factor in pancreatic cancer - preliminary study Alicja Majos (Poland)
P19	Two divergent models of response to coronaviral infections- the key to the resilience against viral respiratory infections? Robert Szewczyk (Poland)



IMMUNOLOGY WINTER SCHOOL 2024 Zakopane, Poland 08-11 January Basic Immunology Research in Allergy and Clinical Immunology EAACLorg EAACL Winter* Winter* Winter* Wednesday 10 January		EAACI Winter School 2024
Wed 10 Jan 08:00 - 09:00 Keynote	Keynote 4 – Beneficial modulation positioning the potential of probio	n of the respiratory microbiome and immunity: tics

Chair : Cristina Gomez-Casado (Germany), Marina Perez-gordo (Spain)

Beneficial modulation of the respiratory microbiome and immunity: positioning the potential of 08:00 probiotics Sarah Lebeer (Belgium)

Wed 10 Jan 09:00 - 09:20 Coffee Break Other Wed 10 Jan

Wed 10 Jan	Oral Abstracts Presentation III
09:20-11:00	Oral Abstracts

Chair : Sarah Lebeer (Belgium), Carina Venter (United States of America)

09:20	The influence of microbial metabolites on lung immunity
009	Edyta Bulanda (Poland)
09:45	Bifidobacterium adolescentis CCDM 368 as a source of extracellular vesicles with anti-allergic potential
010	Dominika Kozakiewicz (Poland)
10:10 011	Intranasal application of peptidoglycan from Bifidobacterium longum ssp. longum CCM 7952 prevents allergic inflammation in a mouse model Tereza Svabova (Czech Republic)
10:35 012	The effect of butyrate on the infection and immune response against RV-A16 in a co-culture model of ALI-PNEC with monocyte-derived macrophages Natalia Laura Wąsowska (Netherlands)

Wed 10 Jan Break 11:00 - 16:30 Other

Zakopane, Po	SCHOOL 2024
Wed 10 Jan 16:30 - 17	7:30 Keynote 5: Single-cell to tissue-scale memory of infection and inflammation Keynote
Chair : Inge Ko	ortekaas Krohn (Belgium), Francesco Cinetto (Italy)
16:30	Single-cell to tissue-scale memory of infection and inflammation José Ordovas-Montanes (United States of America)
Wed 10 Jan	7:50 Coffee Break
17:30 - 1 7	Other
Wed 10 Jan	Oral Abstracts Presentation IV
17:50 - 19	Oral Abstracts
Chair : José O	rdovas-Montanes (United States of America), Inge Kortekaas Krohn (Belgium)
17:50	Metabolic regulation of epithelial RIG-I signaling in viral exacerbations of asthma
013	Urszula Radzikowska (Switzerland)
18:15	A macrophage-secreted metabolite with potent antibacterial functions
014	Piyal Saha (Austria)
18:40	Immunometabolic reprogramming of bronchial epithelium in asthma
015	Inés Jardón Parages (Switzerland)
19:05	New nomenclature of allergic reactions
017	Magdalena Zemelka-Wiącek (Poland)

Wed 10 Jan	Dinner
20:00-21:00	Other

Zakopane, P	SCHOOL 2024
Wed 10 Jan 21:00 - 2	
Chair : Cristir	na Gomez-Casado (Germany), Marina Perez-gordo (Spain), Sarah Lebeer (Belgium)
P30	Single cell and bulk energy metabolism profiling of human Th2 cells in vitro and ex vivo Nino Stocker (Switzerland)
P31	Do Schistosoma mansoni cysteine proteases instruct lung epithelial cells to release immunomodulatory extracellular vesicles? Michael Thaler (Austria)
P32	Microbial-Derived Tryptophan Metabolites Selectively Influence Cytokine Secretion by Polarized Human Lymphocytes Lu Yao (Ireland)
P33	Dietary intervention with fructo-oligosaccharides in a mouse-model for house dust mite allergy enhances type 1 development, while lowering HDM specific type 2 responses in the lungs Roos Verstegen (Netherlands)
P34	Lipid peroxidation associated with nonsteroidal anti-inflammatory drug hypersensitivity Isabel María Jiménez-Sánchez (Spain)
P35	Metabolite X modulates metabolism of the lung during inflammation Magdalena Wolska (Poland)
P37	Butein reduces asthma-related fibroblast-to-myofibroblast transition in vitro Jan Raczek (Poland)

Basic Immunolog	y Research in Allergy and Clinical Immunology EAACI Winter School
Wed 10 Jan 21:00 - 2	FUSIEL SESSION IT - TODIC S AITERUEN MOTECUTES F 730 - F47
Chair : Crist	obalina Mayorga (Spain), Rubén Fernández-santamaría (Spain), Louisa James (United Kingdom)
P38	The allergy-protective bovine protein beta-lactoglobulin: not only a milk protein Simona Winkler (Austria)
P39	Diminished allergenicity of the fungal major allergen Alt a 1 under iron-sufficiency and by direct binding to iron-quercetin complexes Aila Fakhimahmadi (Austria)
P40	Neutrophils involvement in patients with hypersensitivity to titanium containing prosthesis Natalia Aliakhnovich (Belarus)
P41	Study on the Activation Mechanisms of Basophils Using Different Nanoarchitectures to Enhance Sensitivity in the Assessment of Allergic Reactions to Clavulanic Acid Pablo Torres Fernández (Spain)
P42	Bioinformatics analysis and geographical distribution of Euroglyphus Maynei: a retrospective study on the frequency of sensitization in respiratory allergies Stefano Palazzo (Italy)
P43	Transcriptomic and bioinformatics analysis to investigate the cellular responses to birch pollen exposure in birch pollen allergic and non-allergic individuals Srinidhi Sudharson (Austria)
P44	Allergy to Antibiotics in Common Variable Immunodeficeincy (CVID): is this a relevant issue? Patrick Bez (Italy)
P45	The consequences of the climate change on Olea europaea allergy Alessandro Cinquantasei (Italy)
P46	Clinical evaluation of two molecular multiplex IgE test assays in diagnosing airborne allergies Larissa Koidl (Austria)
P 47	The IgEome in Peanut Allergy: Determination of Autoreactive IgE Carolin Steinert (Germany)

Zakopane, F	SCHOOL 2024				
Wed 10 Jan 21:00 - 2	POSTEL SESSION II - TODIC O DAMEIS AND AITERVI	P48 - P54			
Chair : Franc	Chair : Francesco Cinetto (Italy), Carina Venter (United States of America), José Ordovas-Montanes (United States of America)				
P48	Cold urticaria associated with a novel Phospholipase-C-Gamm Monique Butze (Germany)	na-2 (PLCγ2) mutation			
P49	Microneedle-mediated epicutaneous delivery system based or nanoparticles for allergen-specific immunotherapy Ana M. Pérez-Moreno (Spain)	n mesoporous silica			
P50	Impact of Skin Stretching on Cutaneous Allergic Responses Darawan Tabtim-on (France)				
P53	Endotypes of childhood atopic dermatitis based on proteomic p and allergic sensitization Karolina Dumycz (Poland)	profiling of skin tape-stripping			
P54	Novel heterozygous TNFAIP3 mutation resulting in autoinflam infection susceptibility Vyanka Redenbaugh (United Kingdom)	mation, autoimmunity and			

🛗 Thursday 11 January

EAACI Winter School 2024

Thu 11 Jan
08:00 - 09:00Keynote 6 - A break in mitochondrial endosymbiosis as a basis for
inflammatorydiseases

Keynote

Chair : Milena Sokolowska (Switzerland), Inge Kortekaas Krohn (Belgium)

08:00 A break in mitochondrial endosymbiosis as a basis for inflammatory diseases Luke AJ O'Neill (Ireland)

Thu 11 JanCoffee Break09:00 - 09:20Other

Zakopane, F	Research in Allergy and Clinical Immunology With Chool Oral Abstracts Presentation V				
Chair : Inge Kortekaas Krohn (Belgium), Rubén Fernández-santamaría (Spain)					
09:20 018	Characterising the blood and airways ILC landscape in patients w anti-IL5/5Ra therapy Kyle Mincham (United Kingdom)	ith severe asthma undergoing			
09:45 019	Epigenetic Mechanisms in Allergic Diseases During Pregnancy Elisabeth Simonin (United States of America)				
10:10 020	Cannabinoids induce tolerogenic DCs by promoting epigenetic re extracellular vesicles that polarize Tregs Angel Maldonado (Spain)	programming and secreting			
10:35 021	MacDeath: A cell death screen identifies novel macrophage-depl macrophage activation syndrome and cancer Paul Ettel (Austria)	eting agents for the therapy of			
Thu 11 Jan 11:00 - 11:30Closing Ceremony and Prize Giving Other					
11:00	Closing Ceremony and Prize Giving Inge Kortekaas Krohn (Belgium)				