



IMMUNOLOGY WINTER SCHOOL 2026

📋 15 - 18 January











EAACI Winter School 2026

Thu 15 Jan 16:00 - 17:00

Registration

Hall in front of Salon Dauro, Level S Others

Thu 15 Jan 17:00 - 18:00

Welcome Drink

Cocktail & Bar "Alma", Level S Others

Thu 15 Jan 18:00 - 18:30

Opening ceremony

Salon Dauro, Level S Session

18:00 **Opening ceremony**

Alexandra Santos (United Kingdom), Maria Torres (Spain), Mohamed Shamji (United Kingdom), Jolanta Walusiak-Skorupa (Poland)

Thu 15 Jan 18:30 - 19:30

Keynote 1

Salon Dauro, Level S Keynote

Chair: Thomas Eiwegger (Austria), Cristina Gomez-Casado (Germany)

18:30 Systems-level analyses of immune system development in humans

Petter Brodin (Sweden)

Thu 15 Jan 19:30 - 21:00

Dinner

Restaurant "Veleta", Level C Others





Thu 15 Jan

Thu 15 Jan 21:00 - 22:00Poster Session I - Topic 1 Innate immunity Monachil+Guejar+Dilar, Level H Poster Session

Chair: Erik Wambre (United States of America), Andrzej Eljaszewicz (Poland), Milena Sokolowska (Switzerland)

P01	Dose-dependent effects of polystyrene nanoplastics on human bronchial smooth muscle cell growth and morphology Magdalena Pietrzak (Poland)
P02	Antioxidant enzymes activities and genetic variants associated with nonsteroidal anti- inflammatory drug cross-hypersensitivity Isabel María Jiménez-Sánchez (Spain)
P03	Thymic Stromal Lymphopoietin (TSLP) imprints a metabolic reprogramming in human CD1c+ myeloid dendritic cells promoting Th2 polarization Isabel Peñalver (Spain)
P04	Modulation of NK cell subsets in response to anti IL-5r in patients with severe asthma Laura Bergantini (Italy)
P05	CD300f receptor and its variant CD300f R218Q regulate mast cell and macrophage activity Lihong Song (Spain)
P06	Exploring the role of lipids on initiation of allergenic response in innate lymphoid cells Diana Schnögl (Austria)
P07	Drug-Immediate Hypersensitivity Studies and Activation-Related Effects of Exposome Components in Isolated Basophils Silvia Calvo-Serrano (Spain)
P08	The influence of immunosuppressive mesenchymal stem cells (MSCs) on the regulation of arachidonic acid metabolism and its derivates signaling in low T2 inflammation in the experimental asthma model Marlena Tynecka (Poland)
P09	Developing Immunocompetent 3D melanoma models to Investigate Tumour-Immune Interactions and Immunotherapies Xinyi Chen (United Kingdom)
P10	A Multi-Omic Approach to Identifying Inflammatory Endotypes within Healthy Individuals Huseyn Babayev (Switzerland)



Thu 15 Jan **21:00** - **22:00**

Poster Session I - Topic 2 Adaptive immunity

Monachil+Guejar+Dilar, Level H Poster Session

Chair: Petter Brodin (Sweden), Joana Vitte (France), Jitesh Chauhan (United Kingdom)

P11	B-cell epitope prediction for developing allergy vaccines and their companion immunodiagnostics Robbi Miguel Falcon (Philippines)
P12	Assessing mRNA expression and DNA methylation status of immune checkpoints in COVID-19 patients: a comparative study Ensie Sadat Mirsharif (Iran, Islamic Republic of)
P13	Droplet microfluidics detection of human IgE-secreting cells in humanized transgenic mouse models Sophie Shyfrin (France)
P14	Assessing Immune Memory against SARS-CoV-2 in COVID-19 Vaccine Recipients in the Indian Population K Mohan Reddy (India)
P15	The role of differential expression of HR1 and HR2 on B cells and their functions Minglin Yang (Switzerland)
P16	Shared T-cell clonal expansions identified in peripheral blood of patients with systemic lupus erythematosus Dariya Rainio (Moscow)
P17	Characterization of provocation-induced changes in transcription factors in the nasal mucosa of birch pollen-allergic and non-allergic individuals Giovanni Lamorte (Austria)
P18	Decoding the genetic landscape in granulomatous diseases: a comparative bioinformatics approach integrating sarcoidosis and CVID as a model to explore GLILD Giulia Gualtiero (Netherlands)
P19	Differential engulfment of extracellular vesicles by endothelial and peripheral blood mononuclear cells in anaphylaxis Sergio Fernandez-Bravo (Spain)
P20	Persistent Off-Season Dysregulation of Memory B Cell Subsets in Allergic Rhinitis Maryam Jafari (Sweden)

Friday 16 January

EAACI Winter School 2026

Fri 16 Jan **08:00** - **09:00**

Keynote 2

Salon Dauro, Level S Keynote

Chair: Cristobalina Mayorga (Spain), Francesco Cinetto (Italy)

08:00 Regulatory B cells: one population, two opposite functional outcome

Claudia Mauri (United Kingdom)



Fri 16 Jan **09:00 - 09:20**

Coffee Break

Cocktail & Bar "Alma", Level S Others

Fri 16 Jan **09:20** - **11:00**

Oral Abstracts Presentation I

Salon Dauro, Level S Oral Abstracts Presentation

Chair: Alessandra Vultaggio (Italy)

09:20 001	Human memory CD4+T cells induce hyperresponsiveness in mast cells Jiajun He (Germany)
09:45 002	Testosterone and Estrogen Differentially Regulate Human CD4 ⁺ T-Cell Responses During Gender-Affirming Hormone Therapy Sebastian Riemann (Belgium)
10:10 003	Immunomodulatory Potential of MAIT Cells in type 2 inflammation: synergy of alarmins and antigen-independent signals drive a potent Th1-biased MAIT cell phenotype Carlota García-Escribano (Spain)
10:35 004	Cannabinoids promote tolerogenic DCs via epigenetic reprogramming, ceramide and extracellular vesicle production able to polarize Tregs Angel Maldonado (Spain)

Fri 16 Jan 11:00 - 13:30 Free Time: Ski Break & Networking Opportunity

Others

Fri 16 Jan 13:30 - 14:15

Lecture

Salon Dauro, Level S Session

Chair: Maria Torres (Spain), Erika von Mutius (Germany)

13:30 The Epithelial Barrier Theory

Cezmi Akdis (Switzerland)



Fri 16 Jan 14:15 - 16:00

Interactive workshop: Streamlined immunology assays for clinical trials

Salon Dauro, Level S Interactive Workshop

Chair: Alexandra Santos (United Kingdom), Milena Sokolowska (Switzerland)

14:15 Streamlined immunology assays for clinical trials

Mohamed Shamji (United Kingdom)

14:30 **Break out groups**

Cristina Gomez-Casado (Germany), Rosa Muñoz-Cano (Spain), Jolanta Walusiak-Skorupa (Poland), Thomas Eiwegger (Austria), Chrysanthi Skevaki (Germany), Jitesh Chauhan (United Kingdom), Joana Vitte (France), Alessandra Vultaggio (Italy), Carina Venter (United States of America), Francesco Cinetto (Italy), Jean-Philippe Girard (France), Erik Wambre (United States of America), Claudia Mauri (United Kingdom)

15:20 Panel discussion

Mohamed Shamji (United Kingdom), Andrzej Eljaszewicz (Poland), Cristobalina Mayorga (Spain), Sophia Karagiannis (United Kingdom), Petter Brodin (Sweden), Cezmi Akdis (Switzerland)

Fri 16 Jan 16:30 - 17:30 Keynote 3

Salon Dauro, Level S Keynote

Chair: Sophia Karagiannis (United Kingdom), Cristina Gomez-Casado (Germany)

16:30 Mucosal barriers and alarmins in allergic inflammation

Jean-Philippe Girard (France)

Fri 16 Jan 17:30 - 17:50 Coffee Break

Cocktail & Bar "Alma", Level S Others

Fri 16 Jan 17:50 - 19:30

Oral Abstracts Presentation II

Salon Dauro, Level S Oral Abstracts Presentation

Chair: Erik Wambre (United States of America), Thomas Eiwegger (Austria)

17:50 005	Microbial metabolism of food allergens by human oral bacteria alters IgE-mediated anaphylaxis Lucía Moreno-Serna (Spain)
18:15 006	Allergen desensitization induces metabolic and transcriptomic changes in mast cells Alessandra Ruiz Sánchez (Spain)
18:40 007	Maternal systemic IgG as a window into microbial exposures in term and preterm pregnancies Margareta Mayer (United States of America)
19:05 008	Monocytes and macrophages in the melanoma tumour microenvironment express Fc receptors which can be engaged with monoclonal antibodies of different isotypes Rebecca Adams (United Kingdom)



Fri 16 Jan 19:30 - 21:00

Dinner

Restaurant "Veleta", Level C Others

Fri 16 Jan 21:00 - 22:00

Poster Session II - Topic 3 Immunotherapy and biologicals Monachil+Guejar+Dilar, Level H Poster Session

Chair: Claudia Mauri	(United Kinadom)	Mohamed Shamii	i (United Kinadom)	Alessandra	Vultannio (Italy)
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P21	Novel Diagnostic Algorithm for Apis dorsata and Vespa affinis Venom Allergy in Asia Peshala Gunasekara (Sri Lanka)
P22	Exploring the Impact of Ondansetron Administration on Acute FPIES Reactions Through Multi- Tissue, Multi-Modal Transcriptomics Julián Montoto-Louzao (Spain)
P23	Assessing FceRI expression optimizes patient management in oral immunotherapy with Omalizumab Aina Bruch Tàrrega (Spain)
P24	PH-Triggered Co-delivery of a Non-nucleotidic STING Agonist and an NLRP3 Inhibitor Enhances Type-I IFN while Restraining Inflammasome Activity Bahareh Farasati Far (Iran, Islamic Republic of)
P25	Clinical and immune profile of newborns born to mothers with inflammatory diseases exposed to biological drugs during pregnancy Gilda Yánez Lema (Spain)
P26	Investigating Granulomatous and Lymphocytic Interstitial Lung Disease (GLILD) in patients with Common Variable Immunodeficiencies (CVIDs): preliminary results of a multicenter retrospective observational study Helena Buso (Italy)



Fri 16 Jan **21:00** - **22:00**

Poster Session II - Topic 4 Microbiome and metabolism

Monachil+Guejar+Dilar, Level H Poster Session

Chair: Francesco Cinetto (Italy), Thomas Eiwegger (Austria)

P27	Arginine metabolism and systemic inflammatory indices as prognostic and predictive biomarkers for Cetuximab combined with chemotherapy in wt-KRAS human colorectal cancer Djehane Houria MATAAM (Algeria)
P28	Food emulsifier polysorbate 80 causes inflammation, microbial dysbiosis and gut barrier dysfunciton Can Zeyneloglu (Switzerland)
P29	Mitochondrial function is implicated in inflammation and disturbed T cell function in smoke exposure and COPD Thilo Berger (Germany)
P30	Halophilic archaea, Halorhabdus rudnickae, have a positive effect on the quality of the epithelial barrier in a model using the Calu-3 cell line Krzysztof Krawczyk (Poland)
P31	Mechanisms and functions of type 2 immunity against enteropathogenic bacteria Bihua Chen (Austria)

Hygiene hypothesis revisited: the immune mechanisms underlying the farming effect

Saturday 17 January

EAACI Winter School 2026

Sat 17 Jan **08:00** - **09:00**

08:00

Keynote 4

Salon Dauro, Level S Keynote

Chair: Rosa Muñoz-Cano (Spain), Carina Venter (United States of America)

Erika Von Mutius (Germany)

Sat 17 Jan 09:00 - 09:20 Coffee Break

Cocktail & Bar "Alma", Level S Others



Sat 17 Jan **09:20** - **11:00**

Oral Abstracts Presentation III

Salon Dauro, Level S Oral Abstracts Presentation

Chair: Erika von Mutius (Germany), Joana Vitte (France)

09:20 009	Type-3 Cytokine Driven Regulation of the Mucosal E3 Phenotype Underlies Epithelial Barrier Dysfunction in Asthma Helen Charles (Germany)
09:45 010	Immunometabolism of RIG-I signalling in the Lower Airway Epithelium in Patients with Asthma Inés Jardón Parages (Switzerland)
10:10 011	MV130 drives the differentiation of human monocytes into dendritic cells with antiallergic phenotype Silvia Sánchez Herrero (Spain)
10:35 012	Immune-Mediated Regulation of Bronchial Smooth Muscle Proteins: A Potential Protective Role of MAPK13 in Asthma Ruben Fernandez-Santamaria (Spain)

Sat 17 Jan 11:00 - 12:00

Science Walk

Salon Dauro, Level S Others

11:00 Science Walk

Maria Torres (Spain), Mohamed Shamji (United Kingdom), Jolanta Walusiak-Skorupa (Poland), Alexandra Santos (United Kingdom), Andrzej Eljaszewicz (Poland), Cristina Gomez-Casado (Germany), Cristobalina Mayorga (Spain), Rosa Muñoz-Cano (Spain), Milena Sokolowska (Switzerland), Thomas Eiwegger (Austria), Chrysanthi Skevaki (Germany), Jitesh Chauhan (United Kingdom), Joana Vitte (France), Alessandra Vultaggio (Italy), Sophia Karagiannis (United Kingdom), Carina Venter (United States of America), Francesco Cinetto (Italy), Jean-Philippe Girard (France), Erik Wambre (United States of America), Claudia Mauri (United Kingdom), Erika Von Mutius (Germany), Jeffrey Drazen (United States of America), Cezmi Akdis (Switzerland)

Sat 17 Jan 12:00 - 15:30

Free Time: Ski Break & Networking Opportunity

Others

Sat 17 Jan 15:30 - 16:30 **Industry Session**

Industry Session

Please visit the "Sponsorship & Exhibition" section on the event page for further details

Sat 17 Jan 16:30 - 17:30

Keynote 5

Salon Dauro, Level S Keynote

Chair: Alexandra Santos (United Kingdom), Jitesh Chauhan (United Kingdom)

16:30 Thymic development, immune regulation and cell therapies



Sat 17 Jan 17:30 - 17:50

Coffee Break

Cocktail & Bar "Alma", Level S Others

Sat 17 Jan 17:50 - 19:30

Oral Abstracts Presentation IV

Salon Dauro, Level S Oral Abstracts Presentation

Chair : Claudia Mauri (United Kingdom), Cristina Gomez-Casado (Germany)

17:50 013	Effects of corticosteroids and pH-modulating emollients on barrier function, microbial colonization and immune regulation in atopic dermatitis Berkay Berk (Germany)
18:15 014	Novel Nrf-2 activator can effectively alleviate atopic dermatitis-like skin symptoms and promoted a miRNA profile associated with anti-aging and healthy skin in DNCB-induced atopic dermatitis mouse model Basak Ezgi Sarac (Türkiye)
18:40 015	Exploring the potential therapeutic capacity of the synthetic cannabinoid WIN55,212-2 in the context of atopic dermatitis by restoring skin homeostasis Natalia Cuervo López (Spain)
19:05 016	A beta-lactoglobulin based food for specific medical purposes attenuates atopic dermatitis in mice by restoring skin barrier function and modulating inflammatory pathways Hanna Mayerhofer (Austria)

Sat 17 Jan 19:30 - 21:00

Dinner

Restaurant "Veleta", Level C Others





Sat 17 Jan

Sat 17 Jan 21:00 - 22:00 Poster Session III - Topic 5 Basophils and mast cells Monachil+Guejar+Dilar, Level H Poster Session

Chair: Cristobalina Mayorga (Spain), Sophia Karagiannis (United Kingdom), Rosa Muñoz-Cano (Spain)

P33	Diagnostic Utility of the Mast Cell Activation Test in Immediate Amoxicillin Hypersensitivity Jose Antonio Céspedes (Spain)
P34	AllergoOncology: Basophil stimulation propensity in cancer and the basophil activation test (BAT) in the clinical development of anti-cancer IgE immunotherapies Jitesh Chauhan (United Kingdom)
P35	Single cell multiome (ATAC + gene expression) analysis of human mast cells – pilot study Yuri Jang (United Kingdom)
P36	Epicutaneous Sensitization to Ara h 2 Enhances Mast Cell Expansion in Cardiac and Systemic Tissues: Insights from a Murine Allergy Model Helena Berreiros-Hortala (Spain)
P37	CD63 outperforms CD203c in the basophil activation test for predicting severe allergic reactions to cow's milk Vasco Claro (United Kingdom)
P38	The Clinical Relevance of Mast Cell Activation in Myalgic Encephalomyelitis / Chronic Fatigue Syndrome Johanna Rohrhofer (Austria)
P39	Role of TSLP and mast cells among asthma patients with airway autoimmunity Lise Lotte Eriksen (Denmark)
P40	Predictive value of the basophil activation test for breakthrough reactions during desensitisation in chemotherapeutic-induced hypersensitivity reactions Clara Lebron-Martin (Spain)



Sat 17 Jan

21:00 - 22:00 Poster Session III - Topic 6 Barriers, allergy and asthma Monachil+Guejar+Dilar, Level H Poster Session

Chair: Chrysanthi Skevaki (Germany), Cristina Gomez-Casado (Germany), Alexandra Santos (United Kingdom)

P41	Bronchoscopy with Bronchoalveolar Lavage Fluid Analysis as an Alternative Diagnostic Approach for Granulomatous Lymphocytic Interstitial Lung Disease Klara Radovic (Italy)
P42	A Comparative Spirometric Analysis of Lung Function in Heat-Not-Burn Product Users and Conventional Cigarette Smokers Dilara Karaguzel (Türkiye)
P43	Transcriptional Profiling of Allergen-Stimulated PBMCs Reveals Cellular Activation Patterns in IBH Geisler Johanna (Switzerland)
P44	Role of MAPK13 in the pathogenesis of asthma: modulation of epithelial barrier function and mucus production Cristina Rosales-Ariza (Spain)
P45	Clinical and immunological profile of patients with Atopic Dermatitis-Psoriaris overlapping syndrome Martyna Miodonska (Poland)
P46	Integrated analysis on genome-wide profile of H3K4me2 histone methylation with inflammatory disease genes expression in mouse skin suffering from peanut allergy Mengzhen Hao (Spain)
P47	Redefining airway wall immune-epithelial interactions using single-cell spatial transcriptomics Eimear Rutherford (United Kingdom)
P48	MiRNA gene targets reveal regulatory nodes in an IL-13-induced airway disease model Jonas Ambjörnsson (Sweden)
P49	Polystyrene nanoparticles modify structural, functional, and immunological properties of the intestinal epithelium Sandra Bargiela-Cuevas (Spain)
P50	Food colorants, tartrazine and allura red, disrupt the gut epithelial barrier integrity and trigger pro-inflammatory responses Jennifer Hotie (Switzerland)
P51	Characterisation of glycosylation profiles between healthy- and allergy-derived IgEs reveals putative biomarkers for disease Alex McCraw (United Kingdom)
P52	Plasma metabolomes differentiate asthma endotypes: findings from COREA Tae-Bum Kim (Korea, Republic of)







EAACI Winter School 2026

Sun 18 Jan **08:00** - **09:00**

Keynote 6

Salon Dauro, Level S Keynote

Chair: Chrysanthi Skevaki (Germany), Andrzej Eljaszewicz (Poland)

08:00 Single cell and spatial resolution of immune responses

Erik Wambre (United States of America)

Sun 18 Jan 09:00 - 10:40

Oral Abstracts Presentation V

Salon Dauro, Level S Oral Abstracts Presentation

Chair: Jean-Philippe Girard (France), Rosa Muñoz-Cano (Spain)

09:00 017	The human allergen atlas: high-throughput epitopic identification of allergens Mark Møiniche (Denmark)
09:25 018	Differences in allergen specific B cell gene expression between OIT and placebo Stephan Schneider (Switzerland)
09:50 019	Alternatively-activated and immunosuppressive features of the humoral immune response in patients with melanoma Lucy Booth (United Kingdom)
10:15 020	ReDiscovering: Insights into memory IgD B cell responses as a key player in allergy and tolerance Juan-Felipe Lopez (Switzerland)

Sun 18 Jan 10:40 - 11:00

Coffee Break

Cocktail & Bar "Alma", Level S Others

Sun 18 Jan 11:00 - 12:00

Interactive Lecture

Salon Dauro, Level S Session

Chair: Alexandra Santos (United Kingdom), Cezmi Akdis (Switzerland)

11:00 Planning for publishing in a high impact medical journal

Jeffrey Drazen (United States of America)

Sun 18 Jan 12:00 - 12:30 Closing Ceremony and Prize Giving

Salon Dauro, Level S Session

12:00 Closing Ceremony and Prize Giving

Andrzej Eljaszewicz (Poland), Maria Torres (Spain), Mohamed Shamji (United Kingdom), Jolanta Walusiak-Skorupa (Poland)