

THURSDAY 5 SEP


Opening Ceremony

Thursday 05 Sep, 08:15 AM - 08:30 AM Helsinki, Finland

 Fennia II  Others

PL1 - ISMA-RHINA Joint Session : Mucosal immuno-allergology

Thursday 05 Sep, 08:30 AM - 10:00 AM Helsinki, Finland

 Fennia II  Plenary

08:30 **Epithelial barrier and environmental threats**
Hermelijn Smits (Netherlands)

09:00 **Type 2 immunity at the mucosal barriers**
Ibon Eguiluz (Spain)

09:30 **Allergy: Born in the Mucosa**
Stijn Vanhee (Belgium)

SY1 - ISMA Allergens : Thinking outside the box

Thursday 05 Sep, 10:30 AM - 11:45 AM Helsinki, Finland

 Fennia II  Symposium

10:30 **nsLTPs: cellular uptake and signaling**
Karin Hoffmann-Sommergruber (Austria)

10:55 **Anti-microbial peptides – a new class of allergens?**
Geoffrey Mueller (United States of America)

11:20 **Autoantigens in autoimmune and atopic skin diseases**
Inge Kortekaas Krohn (Belgium)

IWS1 - RHINA - Biomarkers in inflammatory airway disease

Thursday 05 Sep, 10:30 AM - 11:30 AM Helsinki, Finland

 Baltica  Interactive Workshop



10:30 **Role of Biomarkers in CRS**
Elina Toskala (United States of America)

10:50 **Practical applications of 'omics' in chronic airway disease**
Janice A Layhadi (United Kingdom)

11:10 **Smell Testing: how to implement them in my practice**
Marjolein Cornet (Netherlands)

OAS 1 - Rhinitis

Thursday 05 Sep, 10:30 AM - 1 1:30 AM Helsinki, Finland

 Fennia I  Oral Abstract Session

10:30 **Intralymphatic immunotherapy with aluminium hydroxide based grass allergen reduced medication use in patients with allergic rhinoconjunctivitis: a double-blind randomized placebo-controlled trial**
OA1
Hans Jürgen Hoffmann (Denmark)

10:42 **Modulation of B cell memory responses by house dust mite allergen immunotherapy**
OA2
Ellen ketelaere (Belgium)

10:54 **Artificial Intelligence assisted read out of skin prick automated test results: a multicentre study**
OA3
Sven Seys (Belgium)

PDS 1 - Poster Discussion Session - RHINA

Thursday 05 Sep, 1 1:30 AM - 12:30 PM Helsinki, Finland

 Nordia  Poster Session

11:30 **Clinical Outcomes and IgA Deficiency in Pediatric Patients: A Retrospective Study in a Tertiary Hospital**
PO3
Cristina Juárez Rodríguez (Spain)

11:30 **Dual monoclonal antibody therapy in a patient with chronic rhinosinusitis with nasal polyps and severe eosinophilic asthma: a case report and proteome analysis**
PO4
Manon Blauwblomme (Belgium)

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| 11:30 | Dupilumab-induced eosinophilia in patients with diffuse type 2 chronic rhinosinusitis |
| P08 | Fabio Simon Ryser (Switzerland) |
| 11:30 | Effectiveness of ASA therapy after ASA desensitization on adult N-ERD and CRSwNP patients |
| P05 | Alma Helevä (Finland) |
| 11:30 | Peripheral blood and urine lipid mediators are associated with NSAID-exacerbated respiratory disease |
| P13 | Viljami Salmi (Finland) |
| 11:30 | Prevalence of asthma as comorbidity in uncontrolled CRSwNP prior to endoscopic sinus surgery – a cross-sectional study |
| P14 | Emma Genberg (Finland) |
| 11:30 | Sequence of improvements in objective and patient-reported outcomes with dupilumab treatment in patients with chronic rhinosinusitis with nasal polyps: Analysis of the SINUS-52 study |
| P06 | Kaisa Oksanen (Finland) |
| 11:30 | The Influence of Dupilumab on the Nasal and Gastrointestinal Microbiome in Diffuse Type 2 Chronic Rhinosinusitis |
| P09 | Fabio Simon Ryser (Switzerland) |
| 11:30 | The impact of secretory IgA on nasal microbiome control and its link to the development of chronic rhinosinusitis |
| P10 | Alba Sánchez Montalvo (Belgium) |
| 11:30 | Utility of conjunctival allergen challenge in the diagnosis of patients with different phenotypes of allergic rhinitis and conjunctival symptoms |
| P07 | Almudena Testera-Montes (Spain) |

SY2 - RHINA - Disease Mechanisms of CRS: from bench to bedside

Thursday 05 Sep, 12:15 PM - 13:30 PM Helsinki, Finland

 Fennia II  Symposium

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| 12:15 | Epithelial dysfunction in CRSwNP |
| | De Yun Wang (Singapore) |
| 12:40 | Practical applications of 'omics' in chronic airway disease |
| | Janice A Layhadi (United Kingdom) |

13:05 **The effect of biologicals on the transcriptome and proteome**
Philippe Gevaert (Belgium)

IWS2 - ISMA : Novel technologies in allergy research

Thursday 05 Sep, 12:30 PM - 13:30 PM Helsinki, Finland

 Baltica  Interactive Workshop

12:30 **Using mass cytometry for the analysis of samples of the human airways**
Julia Eckl-Dorna (Austria)

13:00 **Use of omics in research and diagnostics**
Maria Isabel Delgado Dolset (Spain)

PL2 - ISMA : Epitope mapping of allergens

Thursday 05 Sep, 14:00 PM - 15:30 PM Helsinki, Finland

 Fennia II  Plenary

14:00 **Precision engineering for localization, validation, and modification of allergenic epitopes**
Anna Pomés (United States of America)

14:30 **Epitope mapping with nanobodies**
Edzard Spillner (Denmark)

15:00 **Food allergen epitopes steering food allergy diagnostics**
Mayte Suarez-Farinas (United States of America)

PL3 - RHINA :Towards CRS guidelines

Thursday 05 Sep, 14:00 PM - 15:30 PM Helsinki, Finland

 Fennia I  Plenary

14:00 **Developing relevant and applicable CRS guidelines in the era of biologics**
Ludger Klimek (Germany)



14:22 **Endotyping CRS patients**
Sanna Toppila-Salmi (Finland)

14:45 **Is there still a role for oral corticosteroids in the management of CRS**
Valérie Hox (Belgium)

15:07 **Evaluating NSAIDs hypersensitivity in patients chronic rhinosinusitis**
Maria Jose Torres (Spain)

OAS 2 - Immune Mechanisms

Thursday 05 Sep, 16:00 PM - 17:00 PM Helsinki, Finland

 Fennia I  Oral Abstract Session

16:00 **Nasal secretions as a useful tool for monitoring systemic and mucosal antibody responses induced by mRNA-based vaccination**
OA6 Jozefien Declercq (Belgium)

16:12 **High affinity allergen-specific IgE-blocking antibodies change during AIT**
OA7 Katarína Repiská (Austria)

16:24 **Unraveling CD4+ T Cell Interactions with Allergenic Proteins from Novel Foods by Combining Multiparameter Fluorescent-Activated Cell Sorting and High Throughput T Cell Receptor Sequencing**
OA8 Matthias Winkel (Germany)

16:36 **Oral immunotherapy decreases expression of pro-inflammatory genes upon re-exposure to allergen in egg allergic children**
OA9 Piia Karisola (Finland)

IWS3 - ISMA : Allergens and the immune system - a complex relationship

Thursday 05 Sep, 16:00 PM - 17:00 PM Helsinki, Finland

 Baltica  Interactive Workshop

16:00 **Allergen interactions in the innate system vs. the adaptive system**
Edward Knol (Netherlands)

16:30 **Initiating pollen sensitization - complex source, complex mechanisms**
Lorenz Aglas (Austria)

SY3 - RHINA : Solve problems with biologics

Thursday 05 Sep, 16:00 PM - 17:15 PM Helsinki, Finland

16:00 **Effectiveness of biologics in CRS: Real-world data**
Sietze Reitsma (Netherlands)

16:25 **Biologicals in CRS: which one to choose? Should we combine?**
Stella E. Lee (United States of America)

16:50 **CRS related smell loss: are biologicals the answer**
Marjolein Cornet (Netherlands)

SY4 - ISMA : News and views on plant and animal food allergens

Thursday 05 Sep, 17:30 PM - 18:50 PM Helsinki, Finland

17:30 **Classification of plant and animal food allergens**
Christian Radauer (Austria)

17:50 **Immunomodulatory capacities of ligands of allergens**
Lorenz Aglas (Austria)

18:10 **Mechanisms of sensitization to seafood: Current knowledge and future perspectives**
Tanja Kalic (Austria)

18:30 **Cyclophilins: a relevant yet neglected panallergen family**
Paolo Maria Matricardi (Germany)

SY5 - RHINA - Sinus surgery in the era of biologics

Thursday 05 Sep, 17:30 PM - 18:45 PM Helsinki, Finland

17:30 **Approaching CRSwNP and asthma with biologics – RWE data**
Stefano Del Giacco (Italy)

17:55 **Preoperative and postoperative prognostic factors of ESS**
Sietze Reitsma (Netherlands)

18:20 **ESS and CRSwNP: to whom, when, how?**
Juan Maza Solano (Spain)

IWS4 - RHINA Junior Session

Thursday 05 Sep, 17:30 PM - 18:30 PM Helsinki, Finland

 Baltica  Interactive Workshop

17:30 **Career development in rhinology: meet the expert**
Stella E. Lee (United States of America)

17:50 **How to get your paper published in a high-impact journal**
Tari Haahtela (Finland)

18:10 **How to design your figures for publications**
Anna Globinska (Switzerland)

FRIDAY 6 SEP

PL4 - ISMA : AllergOMICS

Friday 06 Sep, 08:30 AM - 10:00 AM Helsinki, Finland

 Fennia II  Plenary

08:30 **Multiomics of interactions between allergens and viruses**
Milena Sokolowska (Switzerland)

09:00 **AIT in multiomics approach**
Mohamed H Shamji (United Kingdom)

09:30 **Applicable Biomarkers in allergic diseases**
Edward Knol (Netherlands)

PL5 - RHINA : What can we learn from the asthma guidelines

Friday 06 Sep, 08:30 AM - 10:00 AM Helsinki, Finland

 Fennia I  Plenary

08:30 **The new nomenclature for asthma and allergy**
Marek Jutel (Poland)

09:00 **Endotypes united airways disease**
Ioana Agache (Romania)

09:30 **United airways in practice!**
De Yun Wang (Singapore)

IWS5 - ISMA : Of seeds, peas, and peanuts

Friday 06 Sep, 10:30 AM - 11:30 AM Helsinki, Finland

 Baltica  Interactive Workshop

10:30 **Seed allergens: filling in the gaps**
Karin Hoffmann-Sommergruber (Austria)

11:00 **Cowpea, pea, and peanut – what's the link?**
Thomas Holzhauser (Germany)

OAS 3 - Molecular Allergology

Friday 06 Sep, 10:30 AM - 11:30 AM Helsinki, Finland

 Fennia I  Oral Abstract Session

10:30 **Characterizing a human monoclonal IgE antibody binding to walnut vicilin buried peptide allergens**
OA11 Leighton Gage (United States of America)

10:42 **Recombinant expression of genetically modified Ara h 2 in Komagataella phaffii**
OA12 Andrea Wangorsch (Germany)

10:54 **Major pollen allergens lack intrinsic Th2-polarization capacity**
OA13 Lorenz Aglas (Austria)

11:06 **IgE epitope mapping of Can f 1 and Can f 5**
OA14 David Calzada (Spain)

11:18 **The cross-protective activity of allergen immunotherapy-induced blocking antibodies accords with the structural identity of allergens**
OA15 Hilal Demir (Austria)

SY6 - RHINA : Allergic rhinitis: new challenges and new opportunities

Friday 06 Sep, 10:30 AM - 11:45 AM Helsinki, Finland



Fennia II



Symposium

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| 10:30 | Unmet needs in severe allergic rhinitis Valérie Hox (Belgium) |
| 10:55 | AIT explained! Oliver Pfaar (Germany) |
| 11:20 | Novel treatment approaches in AR: AIT, Biologics or the combination? Ludger Klimek (Germany) |

PDS2 - Poster Discussion Session - ISMA

Friday 06 Sep, 11:30 AM - 12:30 PM Helsinki, Finland



Nordia



Poster Session

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| 11:30 P19 | 131 genetic loci highlight immunological pathways and tissues in asthma and nasal polyposis Elmo Saarentaus (Finland) |
| 11:30 P26 | Anaphylactic reaction to spices in a patient with concomitant LTP syndrome and PR-10 sensitization Serena Traversi (Italy) |
| 11:30 P21 | Baker's lipid transfer protein food allergy in Finland Liisa Airaksinen (Finland) |
| 11:30 P28 | Clinical Phenotype in allergy to Brassicaceae and in-vitro diagnostic approaches Andrea D'Orazio (Italy) |
| 11:30 P20 | Generation and characterization of glutaraldehyde-modified recombinant Bet v 1 and its effect on innate immune cells Andrea Wangorsch (Germany) |
| 11:30 P25 | Identification of a novel non-specific lipid transfer protein from Paper Mulberry pollen Abid Hussain (Denmark) |
| 11:30 P22 | Increase of pollen allergy cases in the zones of ongoing military conflict in Ukraine Dmytro Gerasymchuk (Finland) |

11:30 **Potential usefulness of in-vitro tools for characterizing the sensitization profile of patients allergic to minor legumes**
P23 Erica Chericoni (Italy)

11:30 **Recurrent Anaphylaxis from nsLTP in a Patient with Birch Pollinosis**
P29 Mehmet Hoxha (Albania)

11:30 **Reevaluating the use of peanut storage proteins for diagnostic purposes**
P24 Peter Forstenlechner (Austria)

SY7 - ISMA : Unexpected features of allergens

Friday 06 Sep, 12:15 PM - 13:30 PM Helsinki, Finland

 Fennia II  Symposium

12:15 **The functions of Bet v 1 superfamily proteins are highly diverse**
Heimo Breiteneder (Austria)

12:40 **Peanut allergens differently adhere to oral epithelia**
Beatriz Cabanillas (Spain)

13:05 **Cytolytic and antiviral properties of insect allergens**
Geoffrey Mueller (United States of America)

IWS6 - RHINA : Practical approach of non allergic rhinitis

Friday 06 Sep, 12:30 PM - 13:30 PM Helsinki, Finland

 Baltica  Interactive Workshop



12:30 **Non-allergic rhinitis: a practical approach**
Carmen Rondon (Spain)

12:50 **Rhinitis medicamentosa: can you stop it?**
Sophie Scheire (Belgium)

13:10 **NERD: new diagnostic and therapeutic approaches**
Gulfem Celik (Türkiye)

ISS2 - Sanofi : What's New in CRSwNP? Real-Life Experiences and Current

Friday 06 Sep, 12:30 PM - 13:30 PM Helsinki, Finland

 Fennia I  Industry Sponsored Session

- 12:30 **Welcome**
Marie Lundberg (Finland)
- 12:35 **What's new in CRSwNP? Real-Life experiences and current treatment goals**
Sietze Reitsma (Netherlands)
- 13:15 **Q&A and discussion**
Marie Lundberg (Finland)
Sietze Reitsma (Netherlands)
- 13:25 **Closing**
Marie Lundberg (Finland)

SY8 - ISMA : Molecular immunology

Friday 06 Sep, 13:45 PM - 15:00 PM Helsinki, Finland

 Fennia II  Symposium

- 13:45 **Biodiversity in Allergy & Health**
Tari Haahtela (Finland)
- 14:10 **Antibodies specific for modified core N-glycans**
Edzard Spillner (Denmark)
- 14:35 **Allergen-specific T and B cell responses**
Barbara Bohle (Austria)

IWS7 - ISMA : Precision medicine with allergens

Friday 06 Sep, 13:45 PM - 14:45 PM Helsinki, Finland

 Baltica  Interactive Workshop

- 13:45 **Allergen protein families: uses and pitfalls**
Christian Radauer (Austria)
- 14:15 **Molecular allergen diagnosis**
Stephanie Dramburg-Hofmaier (Germany)

Friday 06 Sep, 13:45 PM - 14:45 PM Helsinki, Finland

Fennia I Oral Abstract Session

13:45 **Effects of Dupilumab on Eosinophil Subpopulations and Inflammation in Chronic Rhinosinusitis with Nasal Polyps**

OA16 Matteo Accinno (Italy)

13:57 **Dupilumab Restores Barrier Function of Nasal Epithelial Cells and Decreases Type-2 Inflammatory Markers in Chronic Rhinosinusitis with Nasal Polyps**

OA17 Patricia Jaeger (Netherlands)

14:09 **Infection History and Risk of Chronic Inflammatory Airway Diseases; A Real-World Hospital Cohort Study**

OA18 Aada Murtomäki (Finland)

14:21 **Local nasal inflammation and postoperative wound healing is improved by postoperative doxycycline therapy after FESS in Chronic Rhinosinusitis patients**

OA19 Elke Vandewalle (Belgium)

14:33 **Comparison of limited and complete endoscopic sinus surgery in CRSwNP - outcomes of 1-year follow-up**

OA20 Paula Virkkula (Finland)

SY9 - ISMA : Immunity and metabolism in allergology

Friday 06 Sep, 15:30 PM - 16:45 PM Helsinki, Finland

Fennia II Symposium

15:30 **Metabolic regulation of pathogenic Th2 cells**

Milena Sokolowska (Switzerland)

15:55 **Metabolism and immunity in dendritic cells and macrophages**

Stefan Schuelke (Germany)

16:20 **Metabolomics in allergic diseases**

Maria Isabel Delgado Dolset (Spain)

IWS8 - RHINA : Clinical Case Discussion

Friday 06 Sep, 15:30 PM - 16:30 PM Helsinki, Finland

Baltica Interactive Workshop

15:30 **Allergen Immunotherapy**
Marek Jutel (Poland)

15:45 **Allergen Immunotherapy**
Ludger Klimek (Germany)

16:00 **Biologicals**
Sietze Reitsma (Netherlands)

16:15 **Biologicals**

SY10 - RHINA:How Artificial Intelligence will change your practice

Friday 06 Sep, 15:30 PM - 16:45 PM Helsinki, Finland

 Fennia I  Symposium

15:30 **The added value of AI in handling omics data**
Stijn Vanhee (Belgium)

15:55 **Leveraging AI for Predictive Allergy Healthcare**
André Moreira (Portugal)

16:20 **The added value of AI in handling a CRS registry**
Francisco Pinto (Germany)

PL6 - ISMA-RHINA Joint Session : Birch pollen lessons in mechanisms and treatments of allergy

Friday 06 Sep, 17:00 PM - 18:30 PM Helsinki, Finland

 Fennia II  Plenary

17:00 **Allergic late phase responses in the nose of birch pollen-allergic individuals**
Julia Eckl-Dorna (Austria)

17:30 **Active immunotherapy with recombinant Bet v 1**
Barbara Bohle (Austria)

18:00 **Passive immunotherapy with anti-Bet v 1 mAb**
Philippe Gevaert (Belgium)

Closing Ceremony

Friday 06 Sep, 18:30 PM - 18:45 PM Helsinki, Finland

 Fennia II  Others