Friday 4 November

Opening Ceremony

08:45 - 09:00

Joint ISMA & RHINA Plenary 1 – Molecular Approaches to Immunotherapy: what’s new

Chair: P. Matricardi (Berlin, Germany)

- To discuss the role and applied molecular approaches of allergen immunotherapy.
- To describe and discuss the potential role of viral like particles in allergy vaccines.
- To describe the utility of molecular allergology in prevention of allergic diseases and therapeutics.

09:00

A Future Perspective for Molecular AIT: What is thinkable – what doable?
L.K. Poulsen (Copenhagen, Denmark)

09:30

Virus Like Particles as Allergy Vaccines
M. Bachmann (Bern, Switzerland)

10:00

Precision Allergology: from prevention to cure?

ISMA Interactive Workshop 1: Potential and Limitations of BAT & Co

Chair: B. Eberlein (München, Germany), H.J. Hoffmann (Århus C, Denmark)

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### ISMA Symposium 1 – Molecular Diagnosis

**Track 1 ISMA Symposium**

**Chair:** K. Hoffmann-Sommergruber (Wien, Austria)

- To describe and discuss the EAACI Molecular Allergology Users Guide 2022.
- To describe and discuss High Sensitivity Assays for Epitope Mapping.

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker Details</th>
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<tbody>
<tr>
<td>10:45</td>
<td>EAACI Molecular Allergology Users Guide: Update 2022</td>
<td>C. Hilger (Esch-sur-Alzette, Luxembourg)</td>
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<tr>
<td>11:05</td>
<td>High Sensitivity Assays for Epitope Mapping</td>
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<td>11:25</td>
<td>Oral présentations 1 to 3</td>
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### RHINA Symposium 1 – Biologicals in CRSwNP

**Track 2 RHINA Symposium**

**Chair:** C. Bachert (St. Martens-Latem, Belgium), S. Toppila-Salmi (Helsinki, Finland)

- To discuss why, when, and how biologicals should be used in CRSwNP.
- To discuss the importance of subgroup analyses in phase-III trials
- To describe and discuss when switching biological is warranted.

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<tr>
<td>10:45</td>
<td>A difficult story made simple: when, why and how biologicals in CRSwNP?</td>
<td>W. Fokkens (Amsterdam, Netherlands)</td>
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<tr>
<td>11:10</td>
<td>What do we learn from subgroup analyses in phase-III trials?</td>
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<tr>
<td>11:35</td>
<td>“Unusual cases”: switching, multiple biologicals, surgery under biologicals</td>
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### ISMA Flash Talks session 1

**Track 1 ISMA Oral Poster session**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>12:15</td>
<td>ISMA Flash Talks session 1</td>
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### ISMA Flash Talks session 2

**Track 1 ISMA Oral Poster session**

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<tr>
<th>Time</th>
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<tr>
<td>12:15</td>
<td>ISMA Flash Talks session 2</td>
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### RHINA Flash Talks session 1

**Track 2 RHINA Oral Poster session**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>12:15</td>
<td>RHINA Flash Talks session 1</td>
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**RHINA Flash Talks session 2**  
Track 2 RHINA  
Oral Poster session  

**RHINA Interactive Method Workshop 1: How to organize your AIT - Clinic**  
Zoom room  
Interactive Method Workshops  

Chair: O. Pfaar (Marburg, Germany), E. Heffler (Pieve Emanuele, Italy)

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13:45  What is practically needed?  
13:55  AIT in children – the uncovering of the secrets  
14:05  AIT in COVID-19  
14:15  How to keep patients in AIT  

Q&A

**ISMA Symposium 2 – Allergen Structure and Determinants of Allergencity**  
Track 1 ISMA  
Symposium

- To describe and discuss the basic and theoretical aspects of allergens  
- To describe and discuss the role of small molecules and their role in allergic sensitization

13:45  Basic and theoretical aspects of allergens  
F. Ferreira (Salzburg, Austria)  
14:05  Small molecules and their role in allergic sensitization  
14:25  Oral Presentations 4 to 6
RHINA Symposium 2 - COVID-19 and Upper Airways: more than olfactory loss

Track 2 RHINA Symposium

Fri 4 Nov 13:45 - 15:00

Chair: C. Hopkins (London, United Kingdom), R. Brehler (Münster, Germany)

To understand and discuss the mechanisms and clinical signs of COVID-19 infection in the upper airways

13:45 Basics on Olfaction

14:04 Olfaction in COVID-19
C. Hopkins (London, United Kingdom)

14:23 Update on Parosmia in COVID-19 and beyond
S. Gane (London, United Kingdom)

14:42 Different symptoms of COVID-19 in different virus variants
J. Hagemann (Mainz, Germany)

ISMA Interactive Workshop 2: Clinical Allergology for the Scientist

Zoom room Interactive Method Workshops

Fri 4 Nov 15:15 - 16:30

Chair: K. Brockow (Munich, Germany), E. Knol (Utrecht, Netherlands)

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ISMA Symposium 3 – Cross-Reactivity and Clinical Relevance of Functional in vitro Tests

Track 1 ISMA Symposium

Fri 4 Nov 15:15 - 16:30

• To describe and discuss the functional in vitro tests used in confirming clinical relevance.
• To describe and discuss new cross-reactive allergens.

15:15 Functional in vitro tests for confirming clinical relevance?
A. Santos (London, United Kingdom)

15:35 New cross-reactive allergens

15:55 Oral Presentations 7 to 9
**RHINA Symposium 3 – Immunomodulation and new therapeutic approaches in AR**

Chair: N. Novak (Bonn, Germany)

- To describe and discuss the treatments that modulate the microbiome in CRS
- To describe and discuss how mikronutrition affects allergic rhinitis

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<tbody>
<tr>
<td>15:15</td>
<td>Treatments altering the Microbiome in CRS</td>
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<tr>
<td>15:40</td>
<td>Mikronutrition is altering allergic rhinitis</td>
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<tr>
<td>16:05</td>
<td>Immune modulation in local allergic rhinitis</td>
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<td></td>
<td>I. Eguiluz-Gracia (Malaga, Spain)</td>
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**ISMA Plenary 1 – News in Food Allergy**

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<tr>
<th>Time</th>
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<tr>
<td>16:45</td>
<td>Food Allergens Eliciting Anaphylactic Reactions</td>
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<tr>
<td></td>
<td>B. Ballmer-Weber (St. Gallen, Switzerland)</td>
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<tr>
<td>17:15</td>
<td>Update on AIT of Food Allergy</td>
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<td></td>
<td>M. Ebisawa (Sagamihara, Japan)</td>
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<tr>
<td>17:45</td>
<td>Induction of Tolerance to Food Allergens by Prebiotic Intervention</td>
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<td>M.J. Torres (Malaga, Spain)</td>
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### RHINA Plenary 1 - The reunion of upper and lower airways

**Track 2 RHINA Plenary**

**Chair:** L. Klimek (Wiesbaden, Germany), S. Toppila-Salmi (Helsinki, Finland)

- To describe and discuss the relevance of multidimensional endotyping in asthma.
- To describe and discuss how machine learning and artificial intelligence is useful in predicting transcriptomic phenotypes in the asthmatic airways.
- To describe and discuss how epithelial cell responses to rhinovirus can identify an early-life-onset asthma phenotype in adults.

#### Session Details:

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<tr>
<td>16:45</td>
<td>Multidimensional endotyping in asthma: what can we learn for AR?</td>
<td>I. Agache (Brasov, Romania)</td>
</tr>
<tr>
<td>17:15</td>
<td>Nasal proteomics signatures identified by artificial intelligence and machine learning predicts transcriptomic phenotypes in the asthmatic airways</td>
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<tr>
<td>17:45</td>
<td>Epithelial cell responses to rhinovirus identify an early-life-onset asthma phenotype in adults</td>
<td>E. Chang (United States of America)</td>
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### Saturday 5 November

**ISMA-RHINA**

#### Joint ISMA & RHINA Plenary 2 – Allergology and Covid-19

**Track 1 ISMA Plenary**

**Chair:** C. Akdis (Davos, Switzerland), C. AKDIS (Montpellier, France)

- To describe and discuss the effect of Allergy and Asthma as a Comorbidity on the Susceptibility and Outcomes of Covid-19.
- To describe and discuss the potential effects of Covid vaccines on AIT and Biologicals.
- To discuss lesson learned from the pathogenesis of SARS-COV2 and covid -19 pandemic.

#### Session Details:

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<tbody>
<tr>
<td>09:00</td>
<td>Immunology and risk factors for severe illness in Covid-19</td>
<td>M. Sokolowska (Davos, Switzerland)</td>
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<tr>
<td>09:30</td>
<td>AIT, Biologicals and Covid vaccination</td>
<td>M. Jutel (Wrocław, Poland)</td>
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<td>10:00</td>
<td>Lesson learned from the pathogenesis of SARS-COV2</td>
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#### ISMA Interactive Workshop 3: Carbohydrates as IgE Epitopes

**Zoom room Interactive Method Workshops**

**Chair:** M. van Hage (Solna, Sweden)

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**ISMA Symposium 4 – Allergen Exposure and Quantitation**

**Track 1 ISMA Symposium**

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<tbody>
<tr>
<td>10:45</td>
<td>Detection and Quantification of Food Allergens</td>
<td>T. Holzhauser (Langen, Germany)</td>
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<tr>
<td>11:05</td>
<td>Measurement of Occupational und Indoor Allergens</td>
<td>M. Raulf (Bochum, Germany)</td>
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<td>11:25</td>
<td>Oral Presentations 10 to 12</td>
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**RHINA Symposium 4 – Nonallergic Rhinitis**

**Track 2 RHINA Symposium**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:45</td>
<td>EAACI Guideline on NAR: does it need to be updated?</td>
<td>I. Eguiluz-Gracia (Malaga, Spain)</td>
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<tr>
<td>11:10</td>
<td>Nasal Hyperreactivity</td>
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<tr>
<td>11:35</td>
<td>Care pathways of the National digital programs</td>
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**ISMA Flash Talks session 3**

**Track 1 ISMA Oral Poster session**

**ISMA Flash Talks session 4**

**Track 1 ISMA Oral Poster session**

**RHINA Flash Talks session 3**

**Track 2 RHINA Oral Poster session**

**Chair**: S. Becker (Tübingen, Germany)

**Chair**: C. Bergmann (Düsseldorf, Germany)
**RHINA Flash Talks session 4**

Track 2 RHINA  
Oral Poster session

Chair: C. Rondon (Málaga, Spain)

**RHINA Interactive Method Workshop 2: Nasal sampling and provocation**

Zoom room  
Interactive Method Workshops

Special sessions which allow delegates to meet in small groups with outstanding researchers and clinicians in the field. This format is designed to facilitate informal discussions, allowing participants to present their questions and gain new insights.

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- **13:45** Standardized Nasal sampling
- **13:55** Nasal cytology – from cell counting to artificial intelligence
- **14:05** The Art of Nasal provocation testing
- **14:15** Ocular, nasal, bronchial challenges: concordances and differences
- **Q&A**

**ISMA Symposium 5 – Impact of Chemical Modification on Immunological Effects of Allergens**

Track 1 ISMA  
Symposium

- To describe what are advanced glycation end products and allergy
- To describe lipid modification of allergens

- **13:45** Advanced Glycation End Products and Allergy
- **14:05** Lipid Modification of Allergens
- **14:25** Oral Presentations 13 to 15
RHINA Symposium 5 – Basic Immunology of CRS

13:45 - 15:00

- To describe and discuss epithelial inflammatory memory in CRS
- To describe and discuss experimental models for CRS
- To describe and discuss Transcriptomics in CRS and beyond

13:45
Epithelial inflammatory memory in CRS

14:10
Experimental models for CRS
V. Hox (Brussels, Belgium)

14:35
Transcriptomics in CRS and beyond
P.V. Tomazic (Graz, Austria)

RHINA Interactive Method Workshop 3: E-Health

15:15 - 16:30

Zoom room

Chair: C. AKDIS (Montpellier, France), G.W. Canonica (MILAN, Italy)

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15:15
Register-based studies: Associations of CRS with risk of non-cystic fibrosis bronchiectasis

15:25
Care pathways of the National digital programme in Finland

15:35
Are we ready for E-Health and telemedicine in AIT?

ISMA Interactive Workshop 4: Insect Venom Allergens

15:15 - 16:30

Zoom room

Chair: S. Blank (Munich, Germany), B.M. Bilò (Ancona, Italy)

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ISMA Symposium 6 – Lifestyle and Environmental Changes and new allergens

15:15 Edible insects - Allergens, Cross-Reactivity and Effects of Food Processing

15:35 Vegan Diet - Alternative Protein Sources as Potential Allergy Risk
U. Jappe (Borstel, Germany)

15:55 Oral Presentations 16 to 18

RHINA Symposium 6 – New Biologicals for Upper Airway diseases: are we there yet?

Chair: O. Palomares (Madrid, Spain)

15:15 What is the immunological basis for new biologicals?
O. Palomares (Madrid, Spain)

15:40 Evaluation and management of exacerbations of asthma while being treated with biologicals

16:05 Non-T2 directed biologicals
D.Y. Wang (Singapore, Singapore)

ISMA Plenary 2 – Novel tools and targets for allergy diagnosis and treatment

16:45 Molecular engineering of novel tools for allergy diagnostics
E. Spillner (Aarhus, Denmark)

17:15 Novel cell based assays in allergy diagnostics
A. Eggel (Bern, Switzerland)

17:45 Monoclonal Antibodies for Treatment of Food Allergy
**RHINA Plenary 2 - Immunology for patient care – the missing link**
Track 2 RHINA  Plenary

Chair: L. Klimek (Wiesbaden, Germany)

- To learn about the important role of airway epithelia for allergic and inflammatory diseases
- To get accustomed to strategies of translational research
- To learn about endotyping and biomarkers for Severe upper airway inflammation

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<tr>
<td>16:45</td>
<td>The epithelial barrier and its role in inflammation of the nose and sinuses</td>
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<td>C. Akdis (Davos, Switzerland)</td>
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<td>17:15</td>
<td>Translational Research: The Art of bringing T-cells to bedside</td>
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<td>M. Ollert (Esch-sur-Alzette, Luxembourg)</td>
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<tr>
<td>17:45</td>
<td>CRS ans Severe upper airway inflammation: Endotypes and biomarkers</td>
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<td>S. Toppila-Salmi (Helsinki, Finland)</td>
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**Sat 5 Nov**
**18:15 - 18:30**  **Closing Ceremony**

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