



ISMA 2017
 9 – 11 November 2017
 Luxembourg
www.eaaci.org/isma2017



7th International Symposium on Molecular Allergology 9 - 11 November 2017, Luxembourg

Scientific Programme

Thursday, 9 November 2017

12:00 - 13:45	<i>Foyer</i> Registration	
13:45 - 14:15 13:45 - 13:55 13:55 - 14:05 14:05 - 14:15	<i>Conference room 1</i> Welcome Address EAACI President <i>Ioana Agache, Romania</i> ISMA 2017 Local Organising Chair <i>Markus Ollert, Luxembourg</i> Luxembourg National Research Fund (FNR) <i>Michèle Weber, Luxembourg</i>	
14:15 - 15:45 14:15 - 14:45 14:45 - 15:15 15:15 - 15:45	<i>Conference room 1</i> Immunological Basis of the Allergic Response <i>Chairs: Markus Ollert, Luxembourg/ Lars K. Poulsen, Denmark</i> <ul style="list-style-type: none"> Innate Immunity <i>Hamida Hammad, Belgium</i> Adaptive Immunity <i>Cezmi Akdis, Switzerland</i> Early Life Exposure and Allergen Tolerance <i>Erika von Mutius, Germany</i> 	
15:45 - 16:15	Coffee Break	
16:15 - 17:45 16:15 - 16:45 16:45 - 17:15 17:15 - 17:45	<i>Conference room 1</i> Microbiome <i>Chairs: Thomas Eiwegger, Canada, Olaf Röttschke, Singapore</i> <ul style="list-style-type: none"> Allergy and Asthma <i>Liam O'Mahony, Switzerland</i> Microbiome - Linking Diet and Intestinal Barrier Function <i>Mahesh Desai, Luxembourg</i> Implications in Practice <i>Eva Untersmayr-Elsenhuber, Austria</i> 	<i>Conference room C</i> Allergomics <i>Chairs: Gabriele Gadermaier, Austria/ Adriano Mari, Italy</i> <ul style="list-style-type: none"> Allergen Structure and Function: What is Important? <i>Heimo Breiteneder, Austria</i> The Allergen Exposome: Molecular Interactions with Human Barrier Interfaces <i>Jan Gutermuth, Belgium</i> Major Diagnostic and Therapeutic Challenges in Allergic Diseases: Molecular Solutions <i>Ronald van Ree, The Netherlands</i>
17:45 - 20:30	<i>Foyer</i> Welcome Reception and Poster Discussion Session I	

17:45 - 19:15	Topic 1: Epidemiology of IgE Sensitization Profiles. Poster P01 – P09 <i>Chairs: Jörg Kleine-Tebbe, Germany/ Alain Jacquet, Thailand/ Paolo Matricardi, Germany</i>
17:45 - 19:15	Topic 2: The Basis of Allergenicity. Poster P10 - P22 <i>Chairs: Kitty Verhoeckx, The Netherlands/ Gabriele Gadermaier, Austria/ Uta Jappe, Germany</i>
17:45 - 19:15	Topic 3: Novel Allergen Molecules. Poster P23 - P34 <i>Chairs: Marianne van Hage, Sweden/ Christiane Hilger, Luxembourg/ Hans Jürgen Hoffmann, Denmark</i>

Friday, 10 November 2017

09:00 - 10:30	<i>Conference room 1</i> Allergy Diagnostics: From IgE to Precision Medicine <i>Chairs: Ronald van Ree, The Netherlands/ Paolo Matricardi, Germany</i>	
09:00 - 09:30	<ul style="list-style-type: none"> Phenotypes and Endotypes in Allergy <i>Ioana Agache, Romania</i> 	
09:30 - 10:00	<ul style="list-style-type: none"> Epigenetics in Allergy <i>Kari Christine Nadeau, United States</i> 	
10:00 - 10:30	<ul style="list-style-type: none"> Systems Biomedicine in Asthma <i>Ian Adcock, United Kingdom</i> 	
10:30 - 11:00	Coffee Break	
11:00 - 12:30	<i>Conference room 1</i> Omics in Allergy <i>Chairs: Ioana Agache, Romania/ Eva Untersmayr-Elsenhuber, Austria</i>	<i>Conference room C</i> Innovation in Allergy Diagnosis <i>Chairs: Ibon Eguiluz Gracia, Spain/ Christiane Hilger, Luxembourg</i>
11:00 - 11:30	<ul style="list-style-type: none"> Genomics <i>Stepan Weidinger, Germany</i> 	<ul style="list-style-type: none"> Applying Novel Technologies in Allergy Diagnosis and Epidemiology <i>Paolo Matricardi, Germany</i>
11:30 - 12:00	<ul style="list-style-type: none"> Proteomics <i>Gabriele Gadermaier, Austria</i> 	<ul style="list-style-type: none"> Organ-specific IgE <i>Paloma Campo, Spain</i>
12:00 - 12:30	<ul style="list-style-type: none"> Oral Abstract Presentation 	<ul style="list-style-type: none"> Dust Mite Allergy: A Global Challenge <i>Alain Jacquet, Thailand</i>
12:00 - 12:15	<ul style="list-style-type: none"> Identification and Immunological Characterization of Novel Polistes Venom Allergens <i>Maximilian Schiener, Germany</i> 	
12:15 - 12:15	<ul style="list-style-type: none"> Early and Persistent Changes in MiRNA Expression Influencing T cell Plasticity and Th2 Cytokine Production are specific for Epicutaneous Immunotherapy in a Mouse Model of Peanut Sensitized Mice and are not Induced by Oral Immunotherapy <i>Jorg Tost, France</i> 	
12:30 - 14:00	<i>Foyer</i> Lunch and Poster Discussion Session II	
12:30 - 14:00	Topic 1: Biomarkers in Allergy Diagnosis. Poster P35 - P43 <i>Chairs: Bernadette Eberlein, Germany/ Oscar Palomares, Spain/ Lars K. Poulsen, Denmark</i>	
12:30 - 14:00	Topic 2: Molecular Diagnosis. Poster P44 - P56 <i>Chairs: Annette Kühn, Luxembourg/ Heimo Breiteneder, Austria/ Ibon Eguiluz Gracia, Spain</i>	
12:30 - 14:00	Topic 3: Immunotherapy / Clinical Studies. Poster P57 - P70 <i>Chairs: Markus Ollert, Luxembourg/ Mohamed Shamji, United Kingdom/ Liam O'Mahony, Switzerland</i>	
14:00 - 15:30	<i>Conference room 1</i> Environmental Exposure and Globalisation - A Molecular View <i>Chairs: Rudolf Valenta, Austria/ Marianne van Hage, Sweden</i>	<i>Conference room C</i> Integrating Molecular and Cellular Biomarkers in Diagnostic Pathways <i>Chairs: Alexander Eggel, Switzerland/ Oscar Palomares, Spain</i>
14:00 - 14:30	<ul style="list-style-type: none"> Novel Food Allergen Risks <i>Kitty Verhoeckx, the Netherlands</i> 	<ul style="list-style-type: none"> Basophils - New Insights and Applications <i>Cristobalina Mayorga, Spain</i>
14:30 - 15:00	<ul style="list-style-type: none"> Changes in Pollen Exposure through Climate Change: Shall we Care about it? <i>Jeroen Buters, Germany</i> 	<ul style="list-style-type: none"> Biomarkers for Diagnosis and Monitoring of Allergy <i>Hans-Jürgen Hoffmann, Denmark</i>
15:00 - 15:30	<ul style="list-style-type: none"> Migration and Urbanization <i>Olaf Röttschke, Singapore</i> 	<ul style="list-style-type: none"> Oral Abstract Presentation
15:00 - 15:15		<ul style="list-style-type: none"> Distinct Parameters of the Basophil Activation Test are useful as Biomarkers

15:15 - 15:30		<p>for the Clinical Outcome of Patients with Alpha-Gal Sensitization <i>Jana Mehlich, Germany</i></p> <ul style="list-style-type: none"> Diagnostic Value of Recombinant Ara h 2 Isoforms and derived Synthetic Peptides in Peanut Allergic versus Sensitized but Clinically Tolerant Children <i>Jasmin Popp, Germany</i>
15:30 - 16:00	Coffee Break	
16:00 - 17:30	<p><i>Conference room 1</i> Natural Tolerance Induction and Immune Intervention <i>Chairs: Mohamed Shamji, United Kingdom, George du Toit, United Kingdom</i></p> <ul style="list-style-type: none"> Immunological Basis for Prevention of Peanut Allergy <i>George du Toit, United Kingdom</i> Insect Venom Allergy <i>Markus Ollert, Luxembourg</i> Oral Abstract Presentation <ul style="list-style-type: none"> Ex Vivo and in Vivo Analyses of Early Immune Events Induced by CpG-based Immunotherapy in a Mouse Model of Allergy to Fel d 1 <i>Cathy Leonard, Luxembourg</i> An Engineered IgE-Fc Variant Inhibits Basophil Degranulation ex vivo <i>Pascal Gasser, Switzerland</i> 	<p><i>Conference room C</i> Molecular Diagnostics in Clinical Management <i>Chairs: Alain Jacquet, Thailand/ Heimo Breiteneder, Austria</i></p> <ul style="list-style-type: none"> Allergenic Potential and Clinical Relevance of Lipophilic Food Allergens <i>Uta Jappe, Germany</i> Allergy to Animals <i>Marianne van Hage, Sweden</i> Oral Abstract Presentation <ul style="list-style-type: none"> Towards a more Complete Allergen Panel for Component-resolved Diagnosis of Walnut Allergy <i>Serge Versteeg, The Netherlands</i> A more Accurate Approach for the Molecular Diagnosis of the Tomato Allergy <i>Laura Martin-Pedraza, Spain</i>
16:00 - 16:30		
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17:15 - 17:30		

Saturday, 11 November 2017

09:00 - 10:30	<p><i>Conference room 1</i> Targeted Therapies and Functional Food in Allergy Treatment <i>Chairs: Liam O'Mahony, Switzerland, Cristobalina Mayorga, Spain</i></p> <ul style="list-style-type: none"> The Gut Connection: Potential for Optimizing Therapy of Allergy? <i>Thomas Eiwegger, Canada</i> Targeting IgE and Basophils <i>Alexander Eggel, Switzerland</i> Optimization of Allergy Therapy by Combining Therapies <i>Carsten Schmidt-Weber, Germany</i> 	<p><i>Conference room C</i> Allergen-specific Immunotherapy and Prevention <i>Chairs: Hans-Jürgen Hoffmann, Denmark/ Jörg Kleine-Tebbe, Germany</i></p> <ul style="list-style-type: none"> Immunomonitoring of Allergen-specific Immunotherapy <i>Mohamed Shamji, United Kingdom</i> Re-calibrating Allergen-specific Immunotherapy <i>Oscar Palomares, Spain</i> The Future of Allergen-specific Immunotherapy: Molecular Approaches <i>Rudolf Valenta, Austria</i>
09:00 - 09:30		
09:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00	Coffee Break	
11:00 - 12:30	<p><i>Conference room 1</i> Molecular Basis for Future Therapeutics <i>Chairs: Ian Adcock, United Kingdom/ Carsten Schmidt-Weber, Germany</i></p> <ul style="list-style-type: none"> Lessons Learned from Cancer Precision Medicine <i>Rienk Offringa, Germany</i> New Molecular Targets in Allergy <i>Lars K. Poulsen, Denmark</i> Immunometabolism <i>Dirk Brenner, Luxembourg</i> 	
11:00 - 11:30		
11:30 - 12:00		
12:00 - 12:30		
12:30 - 12:45	<p><i>Conference room 1</i> Closing and Prize Giving Ceremony</p> <ul style="list-style-type: none"> Closing Remarks <i>Paolo Matricardi, Germany/ Liam O'Mahony, Switzerland</i> Farewell Address and Prize Giving <i>Markus Ollert, Luxembourg/ Carsten Schmidt-Weber, Germany</i> 	