EAACI-GA²LEN
9th Immunology Winter School

BASIC IMMUNOLOGY RESEARCH IN ALLERGY AND CLINICAL IMMUNOLOGY

03 – 06 February 2011
Davos, Switzerland

FINAL PROGRAMME & ABSTRACT BOOK
Scientific Program and Steering Committee
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Torsten Zuberbier, Berlin, Germany (GA²LEN Secretary General)

Keynote Speakers
Per Brandtzaeg, Oslo, Norway
Theo Geijtenbeek, Amsterdam, The Netherlands
Andre Gessner, Erlangen, Germany
Adrian Hayday, London, UK
Vijay Kuchroo, Boston, USA
Robert Lechler, London, UK

Faculty
Barbara Bohle, Vienna, Austria
Edward Knol, Utrecht, The Netherlands
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Carsten Schmid-Weber, Munich, Germany
Claudia Traidl-Hoffmann, Munich Germany
Mübeccel Akdis, Davos, Switzerland

Local Organizing Committee
Edward Knol, Utrecht, The Netherlands
Carsten Schmid-Weber, Munich, Germany
Barbara Bohle, Vienna, Austria

EAACI Head Quarters
Sladjana Scepan, Zurich, Switzerland
Dear colleagues and friends,

Welcome to the 9th EAACI-GA²LEN Immunology Winter School “Basic Immunology Research in Allergy and Clinical Immunology” in Davos, Switzerland.

Since 2001 the Immunology Section of the EAACI has been organizing meetings for young doctoral and postdoctoral scientists who are active in allergy and clinical immunology research. The aim of these meetings has always been to increase the impact of basic immunology research in the fields of allergy and clinical immunology. The previous Immunology Winter Schools have always been a great success both from its scientific quality, but also from the point of its interactive character. With the generous support from the EAACI Executive Committee we were now able to organize the 9th EAACI-GA²LEN Immunology Winter School in the Hotel Sunstar in Davos, the place where the meeting was founded by the current EAACI president Cezmi Akdis. Davos is a well known winter sport area with an healthy environment, which has attracted many international health resorts in the past.

The meeting includes 5 oral sessions in which selected participants will present their work. These oral sessions are Skin immune response, Allergen structure and immune responses, Modulation of DC functions by external stimuli, T helper cell responses in allergy and pulmonary immune responses.

Directly after the welcome reception and before each session there will be a keynote lecture. The list of excellent keynote speakers this year includes: Theo Geijtenbeek, Amsterdam, The Netherlands, Vijay Kuchroo, Boston, USA, Andre Gessner, Erlangen, Germany, Adrian Hayday, London, U.K., Per Brandtzaeg, Oslo, Norway and Robert Lechler, London, U.K.

We have received a large number of outstanding abstracts which were reviewed by an international panel of 6 experts. Based on the scientific quality of the submitted abstract, 70 participants were selected and invited. 26 abstracts will be presented as oral presentations. In addition two poster sessions with desert, beer and wine will be arranged in which participants have the opportunity to discuss their data with the keynote lecturers, EAACI Immunology board members and with each other. During the day, there will be time for winter sports or sightseeing in beautiful Davos.

The goal of the meeting is to create a warm scientific environment in which allergy and allergy-related immunological concepts can be covered with ample time for discussions and in which young scientists have the opportunity to directly interact with well-known excellent researchers in the field. All keynote speakers and the faculty will stay during the entire meeting for further discussions - let it be on the ski slopes, during lunch or dinner or in the evenings at the poster session. Besides the meeting is a great opportunity to make friends with young scientists from all over the world!

The organizers are looking forward to a successful meeting.

Edward Knol, Carsten Schmidt Weber and Barbara Bohle
on behalf of the Organizing Committee
Programme of the 9th EAACI-GA²LEN Immunology Winter School

“Basic Immunology Research in Allergy and Clinical Immunology”

03 – 06 February 2011
Davos, Switzerland

Thursday, 03 February 2011

18.00 Welcome reception
18:45 Opening
19.00 Introductory Lecture

Chairpersons: Mübeccel Akdis, Davos, Switzerland
Edward Knol, Utrecht, The Netherlands

The epimmunome: how epithelium instructs immunity
Adrian Hayday, London, U.K.

20.00 Dinner

Friday, 04 February 2011

08:00 - 11:00 Session I:
Claudia Traidl Hoffmann, Munich, Germany

08:00 – 09:00  Keynote Lecture:
Finding the balance in immune tolerance
Robert Lechler, London U.K.

09:00 – 09:20  Break

09:20-11:00  Skin immune responses (oral presentations)

09:20-09:40  1  IL-17 and IL-22 downregulate filaggrin expression and affect epidermal barrier formation - role in atopic eczema
Danuta Gutowska-Owsiak (Oxford, UK), Anna Lena Schaupp, Maryam Salimi, Stephen Taylor and Graham Ogg

09:40 - 10:00  2  An ongoing Th2-polarized skin inflammation doesn’t facilitate priming towards new unrelated antigens in a murine model of allergic skin inflammation
Subhashree Mahapatra (Hannover, Germany), Melanie Albrecht, Eve Robinson, Christina Herrick, Anna-Maria Dittrich

10:00 - 10:20  3  Induction by IL-4 and IL-13 of an atopic dermatitis-like phenotype in a human skin equivalent model, while polyclonally activated T cells induce a psoriasis-like phenotype
Geuranne Tjabringa (Utrecht, The Netherlands), Marijke Kamsteeg, Hans Koenen, Irma Joosten, Mieke Bergers, Roelie de Boer, Esther van Rijssen, Patrick Zeeuwen, Ellen van den Bogaard, Mirthe Erkens, Ellen Borg, Stanleyson Hato, Joost Schalkwijk
10:20 – 10:40  4 Mast cell-driven down regulation of Oxazolone-mediated contact hypersensitivity in mice
Vladimir A. Giménez Rivera (Berlin, Germany), Frank Siebenhaar, Sina Heydrich
Martin Metz, Marcus Maurer

10:40 – 11:00  5 Mast cells as sensors of cell injury through interleukin-33 recognition
Mattias Enoksson (Stockholm, Sweden), Katarina Lyberg, Christine Möller-Westerberg, Padraic G. Fallon, Gunnar Nilsson, Carolina Lunderius-Andersson

11:00-16:30  Break

16:30 – 19:30  Session II:
Chairpersons: Andre Gessner, Erlangen, Germany
Barbara Bohle, Vienna, Austria

16:30 – 17:30  Keynote Lecture:
Novel routes in IL-4-signaling
Andre Gessner, Erlangen, Germany

17:30 – 17:50  Break

17:50 – 19:30  Allergen structure and immune responses (oral presentations)

17:50 – 18:10  6 Altered IgE epitope presentation: molecular and immunological characterization of a recombinant hypoallergenic trimer of the major birch pollen allergen Bet v 1
Raffaela Campana (Vienna, Austria), Susanne Vrtala, Bernhard Maderegger, Yuliya Dall’Antonia, Domen Zafred, Katharina Blatt, Harald Herrmann, Margarete Focke-Tejkl1, Ines Swoboda, Sandra Scheiblhofer, Anna Gieras, Angela Neubauer, Walter Keller, Peter Valent, Josef Thalhamer, Susanne Spitzauer, Rudolf Valenta

18:10 – 18:30  7 Allergen fold affects antigen processing and presentation
Claudia Kitzmueller (Vienna, Austria), Michael Wallner, Stephan Deifl, Sonja Mutschlechner, Gerhard Zlabinger, Fatima Ferreira, Barbara Bohle

18:30 – 18:50  8 Does consumption of Bet v 1-homologous food allergens influence the immune response to Bet v 1?
Marija Geroldinger-Simic (Vienna, Austria), Tamar Kinaciyan, Stefan Wöhrl, Ursula Baumgartner-Durchschlag, Hans Huber, Barbara Bohle

18:50 – 19:10  9 Minor role of neutrophils in Th17 mediated airway collateral priming towards new antigens
Melanie Albrecht (Hannover, Germany), Paula Preston-Hurlburt, Heinz-Gerd Hoymann, Kim Bottomly, Anna-Maria Dittrich

19:10 – 19:30  10 IgE-induced mast cell degranulation does not require IKK2 and NEMO but can be enhanced by constitutive IKK2 activation
Katrin Peschke (Dresden, Germany), Anne Dudeck, Julia Scholten, Anke Petzold, Karin Hartmann, Marc Schmidt-Supprian, Axel Roers

19:30  Dinner
Developing immune responses and immune mechanisms

11 Maternal dietary polyunsaturated fatty acids in the early development of the immune system
   Astrid Hogenkamp (Utrecht, The Netherlands), Naomi van Vlies, Alison Fear, Betty van Esch, Annemarie Oosting, Bert van de Heijning, Eline van der Beek, Philip Calder, Johan Garssen

12 PD1/PD1L interaction induces high numbers of regulatory T cells in human cord blood compared to adult blood
   Sanne Hoeks (Utrecht, The Netherlands), Sytze de Roock, Berent J Prakken, Ismé M de Kleer

13 Maintenance of peripheral naive T cells: a mouse-man divide

14 The cooperation of secreted phospholipases A2 and adenosine promotes the angiogenic activity of human macrophages
   Rosaria Iaria Staiano (Naples, Italy), Stefania Loffredo, Francescopaolo Granata, Maria T. Lepore, Alfonso Fiorelli, Mario Santini, Gianni Marone, Massimo Triggiani

15 The marine glycolipid simplexide induces CD1d dependent-cytokine production from human blood monocytes
   Stefania Loffredo (Naples, Italy), Rosaria I. Staiano, Francescopaolo Granata, Valeria Costantino, Cinzia Perinu, Marisa Gorrese, Luigi Del Vecchio, Gianni Marone, Ernesto Fattorussio, Alfonso Mangoni, Massimo Triggiani

16 Mesenchymal stem cells inhibit monocyte-derived dendritic cell maturation and function by selectively interfering with the generation of immature DCs. Central role of MSC-derived prostaglandin E2
   Grazia Maria Spaggiari (Genova, Italy), Heba Abdelrazik, Lorenzo Moretta

17 An unexpected role for uric acid as an inducer of Th2 immunity to inhaled antigens and inflammatory mediator of allergic asthma
   Mirjam Kool (Ghent, Belgium), Monique A.M. Willart, Menno van Nimwegen, Ingrid Bergen, Philippe Pouliot, J. Christian Virchow, Hamida Hammad, Bart N. Lambrecht

18 High frequencies of myeloid derived suppressor cells and lack of an innate response to house dust mite in neonatal mice
   Ismé de Kleer (Ghent, Belgium), Monique Willart, Mirjam Kool, Hamida Hammad, Bart Lambrecht

19 The role of ICOS in the functional stability of Foxp3+ regulatory T cells in Type I Diabetes (T1D) progression in non-obese diabetic (NOD) mice
   Mara Kornete (Montreal, Canada), Evridiki Sgouroudis Ciriacò A. Piccirillo
20 Creation of a humanized model for respiratory allergy using a human mugwort-specific T cell receptor and HLA-DR1
Alina Neunkirchner (Vienna, Austria), Victoria M. Leb-Reichl, Klaus G. Schmetterer, Hans J. Kueng, Daniela Haiderer, Edward Rosloniec, Ronald Naumann, Beatrice Jahn-Schmid, Barbara Bohle, Winfried F. Pickl

21 Alpha-Galactosylceramide Analogs with Weak Agonist Activity for Human iNKT Cells Define New Candidate Anti-inflammatory Agents
Gabriel Bricard (France), Manjunatha Venkataswamy, Karl Yu, Jin Im, Rachel Ndonye, Amy Howell, Natacha Veerapen, Petr Illarionov, Gurdyal Besra, Qian Li, Young-Tae Chang, Steven A. Porcelli

22 Reduced IFN-gamma receptor expression and attenuated IFN-gamma response by dendritic cells in atopic dermatitis
Eva Gros (Bonn, Germany), Susanne Petzold, Laura Maintz, Thomas Bieber, Natalija Novak

23 Regulatory T cells are redundant during the elicitation phase of contact hypersensitivity responses
Sari Lehtimäki (Helsinki, Finland), Terhi Savinko, Katharina Lahl, Antti Lauerma, Tim Sparwasser, Harri Alenius, Nanna Fyhrquist

24 Cutaneous allergic sensitisation: in vitro model
Marta Polak (Southampton, UK), Louise Newell, Chris Pickard, Eugene Healy, Michael Ardern-Jones

25 Autoantibody-independent T cell function in patients with chronic mucocutaneous candidiasis
Julia Hiller (Munich, Germany), Stefanie Eyerich, Kilian Eyerich, Martin Schaller, Roberto Perniola, Johannes Ring, Heidelore Hofmann, Heidrun Behrendt, Carsten Schmidt-Weber, Claudia Traidl-Hoffmann

26 Asthma induced exacerbation of lung bacterial complications
Maryam Habibzay (London, UK), John Goulding, Clare Lloyd, Tracy Hussell

27 CD4+CD25+Foxp3+ T regulatory cells are increased in the nasal mucosa of patients with allergic rhinitis, but promoted a local TH2-skewed response
Chengshuo Wang (Beijing, China), Demin Han, Wei Lou, Yang Wang, Luo Zhang

28 Characterisation of grass pollen derived substances modulating the barrier functions of bronchial epithelial cells
Cornelia Blume (Southampton, UK), Emily Swindle, Heidrun Behrendt, Carsten Schmidt-Weber, Claudia Traidl-Hoffmann, Stephen T. Holgate, Donna E. Davies

29 Altered nasal mucus proteome in allergic rhinitis
Peter Valentin Tomazic (Graz, Austria), Ruth Birner-Grünberger, Doris Lang-Loidolt

30 Mechanisms underlying the resolution of allergic airways disease
Sara Mathie (London, UK), Tracy Hussell, Clare Lloyd

31 A polymorphism in the gene for mast cell chymase encodes an inactive form of the enzyme and is associated with reduced severity of atopy in asthmatics
Ahmed Fawzy (Southampton, UK), Takashi Iwanaga, Alan R. McEuen, Akinori Mochizuki, John W. Holloway, Andrew F. Walls
### Session III: 08.00 – 11.00

**Chairpersons:** Theo Geijtenbeek, Amsterdam, The Netherlands
Adrian Hayday, London U.K.

**Keynote Lecture:**
**Signalling through C-type lectin receptors: shaping immune responses**
Theo Geijtenbeek, Amsterdam, The Netherlands

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<td>08:00 – 09:00</td>
<td><strong>Keynote Lecture</strong> Signalling through C-type lectin receptors: shaping immune responses Theo Geijtenbeek, Amsterdam, The Netherlands</td>
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<td>09:00 – 09:20</td>
<td>Break</td>
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<tr>
<td>09:20-11:00</td>
<td><strong>Modulation of DC functions by external stimuli (oral presentations)</strong></td>
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<td>09:20 - 09:40</td>
<td>32 The Molecular Basis for Induction of Regulatory Dendritic Cells by the Commensal Microbiota Patrycja Konieczna (Davos, Switzerland), Mario Ziegler, Ruth Ferstl, Liam O'Mahony</td>
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<td>09:40 - 10:00</td>
<td>33 Histamine 2 receptor activation modulates the dendritic cell response to TLR ligands – relevance to allergic disorders Ruth Ferstl (Davos, Switzerland), Mario Ziegler, Patrycja Konieczna, Cezmi Akdis, Liam O'Mahony</td>
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<td>10:00 - 10:20</td>
<td>34 Recombinant TLR5-ligand flagellin:Ova fusion protein prevents intestinal allergy in mice Stefan Schülke (Langen, Germany), Manja Burggraf, Zoe Waiblinger, Andrea Wangorsch, Ulrich Kalinke, Masako Toda, Stefan Vieths, Stephan Scheurer</td>
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<td>10:20 – 10:40</td>
<td>35 Are all Toll-like receptor (TLR) ligands potential adjuvants in allergy vaccines? Stephan Deifl (Vienna, Austria), Claudia Kitzmüller, Gerhard Zlabinger, Peter Steinberger, Barbara Bohle</td>
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<td>10:40 – 11:00</td>
<td>36 Mast cell Fc epsilon R1 responses are time dependently enhanced by toll like receptor ligands exposure Rohit Saluja (Stockholm, Sweden), Ingrid Delin, Mikael Adner, Gunnar Nilsson</td>
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<td>11:00 – 11:20</td>
<td>37 Human dendritic cells stimulated with peanut protein express high levels of RALDH2 and induce RA-sensitive genes in naive T cells Bert Ruiter (Boston, USA), Galina Grishina, Hugh Sampson, Wayne Shreffler</td>
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<td>11:20 – 16:30</td>
<td>Break</td>
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### Session IV: 16.30 – 19.30

**Chairpersons:** Vijay Kuchroo, Boston, U.S.A.
Carsten Schmidt Weber, Munich, Germany

**Keynote Lecture:**
**Novel T helper subsets. When will it end?**
Vijay Kuchroo. Boston, U.S.A

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<td><strong>Keynote Lecture</strong> Novel T helper subsets. When will it end? Vijay Kuchroo. Boston, U.S.A</td>
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<td>17:30 – 17:50</td>
<td>Break</td>
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<td>17:50 – 19:30</td>
<td><strong>T helper responses in allergy (oral presentations)</strong></td>
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<td>17:50 – 18:10</td>
<td>38 Pollen metabolome analysis reveals adenosine as a major regulator of dendritic cell-primed T helper cell responses</td>
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18:10 – 18:30 39 Role for IL-25 in Th2 driven inflammation is restricted to IL-5-high asthmatics

Stefanie Gilles (Munich, Germany), Agnes Fekete, Xin Zhang, Isabelle Beck, Cornelia Blume, Johannes Ring, Carsten Schmidt-Weber, Heidrun Behrendt, Philippe Schmitt-Kopplin, Claudia Traidl-Hoffmann


18:30 – 18:50 40 Th22 cells in asthma: a newly identified player of airway diseases

Davide Pennino (Munich, Germany), Pankaj K Bhavsar, Fan Chung K, Stephen R. Durham, Killian Eyerich, Stefanie Eyerich, Carsten B. Schmidt-Weber

18:50 – 19:10 41 Th17 responses in rhinovirus-induced asthma exacerbations

Tamlyn Peel (London, UK), Gary McLean, Alistair Noble, Sebastian Johnston

19:10 – 19:30 42 A regulatory role for IL-17 in release of IL-23 during airway inflammation

Elin Silverpil (Gothenburg, Sweden), Pernilla Glader, Pernilla Jirholt, Louise Henningsson, Marit Hansson, Inger Gjertsson, Anders Lindén

19:30 Dinner

21:00 Poster session II

Chairpersons: Per Brandtzaeg, Oslo, Norway
Andre Gessner, Erlangen, Germany
Carsten Schmidt Weber, Munich, Germany
Barbara Bohle, Vienna, Austria

Tregs

43 Neonatal infection with Helicobacter pylori prevents asthma through impaired dendritic cell maturation and induction of regulatory T-cells

Isabelle Arnold (Zürich, Switzerland), Nina Dehzad, Sebastian Reuter, Helen Martin, Burkhard Becher, Christian Taube and Anne Müller

44 Distinct response of CD4+CD25+Foxp3+ and IL-10-secreting type I T regulatory cells to cluster specific immunotherapy

Lou Wie (Beijing, China), Chengshuo Wang, Yang Wang, Demin Han, Luo Zhang

Mouse models

45 Combined nasal exposure to sodium hypochlorite and ovalbumin induces airway hyperresponsiveness in mice through activation of the TRPA1 channel and NK1 receptor

Valerie Hox (Leuven, Belgium), Jeroen Vanoorbeek, Ina Callebaut, Sonja Bobic, Vanessa De Vooght, Rudi Vennekens, Adrian Liston, Jan Ceuppens, Peter Hellings, Benoit Nemery

46 Heligmosomoides polygyrus products suppress immune responses and pathology in mouse models of allergic airway inflammation

Henry McSorley (Edinburgh, UK), Mary O’Gorman, John Grainger, Kara Filbey, Mark Wilson, Rick Maizels

47 Role of placental growth factor in mouse model of experimental asthma

Sonja Bobic (Leuven, Belgium), Vanessa De Vooght, Ina Callebaut, Valerie Hox, Jan Ceuppens, Peter Hellings

48 The influence of female sex hormones on the number of alternatively activated lung macrophages and airway inflammation in a mouse model of asthma
49 Diphenylcyclopropenone as adjuvant in epicutaneous allergen-specific immunotherapy prevents features of anaphylaxis and asthma in a murine model
Seraina von Moos (Zurich, Switzerland), Ying Waeckerle-Men, Deepa Mohanan, Gabriela Senti, Pål Johansen, Thomas M. Kündig

Immunotherapy

50 Effects of immunotherapy with birch pollen on food-allergen specific antibodies
Brinda Subbarayal (Vienna, Austria), Christian Möbs, de Jong NW, Christof Ebner, Norbert Reider, Roy Gerth van Wijk, Wolfgang Pfützner, Barbara Bohle

51 Increasing the quality of molecule-based allergy vaccines by preventing disulfide-mediated aggregation
Anargyros Roulias (Salzburg, Austria), Michael Wallner, Michael Hauser, Martin Himly, Peter Briza, Christof Ebner, Thomas Hawranek, Stefan Vieths, Peter Lackner, Fatima Ferreira, Matthias Egger

Immunoglobulins

52 IgG antibodies induced by specific immunotherapy with allergen-specific blocking activity
Christian Möbs (Marburg, Germany), Caroline Slotosch, Peter Adler Würtzen, Michael Hertl, and Wolfgang Pfützner

53 Complement receptors CD21 and CD35 are involved in IgE-facilitated allergen binding to B-cells in cow’s milk allergy
Laura Meulenbroek (Utrecht, The Netherlands), Hanneke Monsuur, Léon Knippels, Erik Hack, Carla Bruijnzeel-Koomen, André Knulst, Johan Garssen, Els van Hoffen

54 Comparing antibody mediated-cytotoxicity and -phagocytosis of anti-EGFR IgG and IgE antibodies in a flow cytometric assay
Josef Singer (Vienna, Austria), Melanie Plum, Ingke Braren, Panagiotis Karagiannis, Diana Mechtcheriakova, Regina Knittelfelder, Edzard Spillner, Erika Jensen-Jarolim

55 Immunoglobulin free light chains are increased in nasal polyposis and are decreased after treatment with systemic corticosteroids and intravenous Anti-IL-5
Lien Calus (Ghent, Belgium), Tom Groot Kormelink, Natalie De Ruyck, Claus Bachert, Frank A. Redegeld, Philippe Gevaert

Food allergy

56 Fc-epsilon-RI, the high affinity IgE-receptor, is robustly expressed in the upper GI tract
Christina Bannert (Vienna, Austria), Thomas Eiwegger, Bettina Bidmon-Fliegenschnee, Edda Fiebiger, Zsolt Szépfalusi, Eleonora Dehlink

57 IL-10 is dispensable for tolerance induction in a mouse model of food-induced intestinal allergy
Manja Burggraf (Langen, Germany), Haruyo Nakajima-Adachi, Satoshi Hachimura, Hiroshi Kiyono, Stefan Vieths, Masako Toda

58 Dietary n-3 PUFA suppress the Th2 type humoral response and enhance regulatory T cell numbers in a mouse model for cow’s milk allergy
Lieke van den Elsen (Utrecht, The Netherlands), Betty van Esch, Gerard Hofman, Martin Balvers, Bert van de Heijning, Johan Garssen, Linette Willemsen
T helper cells and cytokines
59 Study of IL-4, IL-4R, IL-13, IL-18 and IL-21 gene polymorphisms in Portuguese atopic and non-atopic individuals
   Raquel Mareco (Covilhã – Portugal), Helder Trindade, Luis Taborda-Barata

60 TLR4 signalling is not crucial for the development of Th2 responses to HDM
   Lara Utsch Mendes Gouveia (Amsterdam, The Netherlands), Leonie van Rijt, Adrian Logiantara, Ronald van Ree

61 Regulation of Th2-allergic response by the helminth Echinococcus granulosus
   Manel Amri (Algiers, Algeria), Chafia Touil-Boukoffa

62 The role of IL-32 in Asthma and COPD
   Simona Lavinskiene, Edita Gasiuniene (Kaunas, Lithuania), Agne Babusyte, Raimundas Sakalauskas, Brigita Sitkauskiene

Sunday, 06 February 2011

08.00 – 11.00:  Session V:
   Chairpersons: Per Brandtzaeg, Oslo, Norway
                 Gunnar Nilsson, Stockholm, Sweden

08:00 – 09:00  Keynote Lecture
   Tolerance in the gut immune system
   Per Brandtzaeg, Oslo, Norway

09:20 - 11:00  Pulmonary immune responses (oral presentations)

09:20 - 09:40  63 IL-32 influences angiogenesis and airway remodeling in asthma
   Norbert Meyer (Davos, Switzerland), Heidi Makrinioti, Janine Christoph, Phillipe Indermittte, Claudio Rhyner, Michael Soyka, Thomas Eiwegger, Majek Chalubinski, Kerstin Wanke, Hiroyuki Fujita, Paulina Wawrzyniak, Sherrie Zang, Günter Menz, Cezmi Akdis

09:40 - 10:00  64 Anti-inflammatory effect of Intravenous Immunoglobulin (IVIg) in a murine model of allergic ashtma: Induction of Foxp3+ Regulatory T-cells in an Antigen-Specific Manner
   Amir Hossein Massoud (Montreal QC. Canada), Walid Mourad, Ciriaco Piccirillo, Bruce D. Mazer

10:00 - 10:20  65 The influence of glucocorticoid therapy on trancription factor balance in asthma patients
   Florentina Alina Dumitru (London, UK), Kayhan Nouri-Aria, Roxana Bumbacea, Norbert Meyer, Cezmi Akdis, C.B. Schmidt-Weber

10:20 – 10:40  66 Langerin+ dendritic cell subset plays an important role in the development of allergic airway inflammation
   Maud Plantinga (Ghent, Belgium), Kim Deswarte, Sofie de Prijck, Manon Vanheerswynghels, Karl Vergote, Lynn de Keyzer, Björn Clausen, Hamida Hammad, Bart Lambrecht

10:40 – 11:00  67 Sensitisation to neoallergens during ongoing house dust mite induced airway inflammation is not dependent on airway dendritic cells
   Leonie van Rijt (Amsterdam, The Netherlands), Adrian Logiantara, Lara Utsch, Ronald van Ree

11:00-11:30  Wrap up and Farewell