

ALLERGY & ASTHMA SYMPOSIUM: BRIDGING INNATE AND ADAPTIVE IMMUNITY

May 28-29, 2009

Bruges, Belgium

Organisers: Prof. Bart N Lambrecht, Prof. Dirk Elewaut and Abcam

PROGRAMME

Day 1

09:00 – 09:50	Registration
09:50 – 10:00	Welcome and Introductions Bart N Lambrecht or Dirk Elewaut
10:00 – 10:45	<i>Special Introductory Lecture</i> Stephen Holgate (Southampton University, UK) Airway epithelial cells in asthma
Session 1	The source of Th2 cytokines in allergy Chairs: Stephen Holgate and Bart N. Lambrecht
10:45 – 11:30	Dirk Elewaut (Ghent University, Belgium) Bridging of innate and adaptive immunity: NKT cell biology as a paradigm
11:30 – 12:00	Morning Coffee
12:00 – 12:45	Omid Akbari (University of Southern California, US) Natural Killer T cells regulate inflammation in the lungs
12:45 – 13:00	Elvire Bourgeois (Universite Paris Descartes, France) The pro-Th2 cytokine IL-33 directly interacts with invariant NKT cells: relevance to lung inflammation
13:00 – 13:15	Agnieszka Legutko-Strivay (University of Liege, Belgium) Essential role of sirtuins in the pathogenesis of allergic airway inflammation
13:15 – 13:30	Kieran Matharu (Abcam) Abcam
13:30 – 14:30	Lunch
Session 2	Regulatory mechanisms in allergy Chairs: Berent Prakken, Utrecht University* and Hamida Hammad
14:30 – 15:15	Catherine Hawrylowicz (King's College London, UK) Regulatory T cells in allergy and asthma: the role of the vitamin D pathway
15:15 – 16:00	Hilde Cheroutre (La Jolla Institute for Allergy & Immunology, US) Controlling tolerance and protective immunity at the frontiers
16:00 – 16:15	Tina Herbst (ETH Zurich, Switzerland) <i>BSI Bursary Awardee</i> Modulation of allergic airway inflammation by intestinal bacteria
16:15 – 16:45	Afternoon Tea
16:45 – 17:30	Jay Kolls (University of Pittsburgh, US) Th17 Cells and Cytokines: roles in mucosal immunity and chronic inflammation
17:30 – 17:45	Melanie Albrecht (Medical School Hanover, Germany) IL-17 in pulmonary priming
17:45 – 18:00	Lucien van der Vlugt (LUMC, Leiden, The Netherlands) A novel role for schistosome-induced IL-10 producing regulatory B cells: protection against allergic airway inflammation
18:00	Close of Sessions
18:00 – 20:00	Poster Session and Wine Reception <i>Sponsored by Cancer Prevention & Cure</i>

Day 2

09:00	Welcome Bart N Lambrecht or Dirk Elewaut
Session 3	Effector mechanism of allergic inflammation Chairs: Guy Joos, Ghent University and Clare Lloyd
09:00 – 09:45	Mindy Tsai (Stanford University, US) Effector and immunomodulatory functions of mast cells in allergic inflammation
09:45 – 10:00	Melanie Leffler (ANU, Canberra, Australia) <i>BSI Bursary Awardee</i> MS4A8B – a promising new player in atopic asthma?
10:00 – 10:45	Clare Lloyd (Imperial College London, UK) Mechanisms regulating the promotion or resolution of allergic airway inflammation and remodelling
10:45 – 11:00	Natalie Nieuwenhuizen (University of Cape Town, South Africa) The role of IL-4 receptor alpha in chronic asthma and airway remodeling
11:00 – 11:30	Morning Coffee
11:30 – 12:15	Michael Croft (La Jolla Institute for Allergy & Immunology, US) TNF family members and allergic disease
12:15 – 12:30	Tara Sutherland (University of Edinburgh, UK) Inhibition of chitinase enzymatic activity: implications for allergic inflammation
12:30 – 12:45	Tatiana Michel (CRP-Santé, Luxembourg City, Luxembourg) Investigation of the neurotrophin Neurturin in a murine model of asthma
12:45 – 13:00	Lars Vereecke (VIB, Dept. of Molecular Biology, Ghent University, Belgium) Role of A20 in the regulation of mucosal inflammation
13:00 – 14:00	Lunch
Session 4	Dendritic cells and epithelial cells bridge innate and adaptive immunity Chairs: Steven Ziegler and Dirk Elewaut
14:00 – 14:45	Hamida Hammad (Ghent University, Belgium) Contribution of lung structural cells to innate Th2 programming in the lung
14:45 – 15:30	Steven Ziegler (Benaroya Research Institute, US) The crucial role of TSLP in allergic disease
15:30 – 15:45	Vily Panoutsakopoulou (Biomedical Research Foundation of the Academy of Athens, Greece) A key role for osteopontin during antigenic tolerance induction
15:45 – 16:15	Afternoon Tea
16:15 – 17:00	Bart Lambrecht (Ghent University, Belgium) Targeting dendritic cells
17:00 – 17:15	Thomas Marichal (University of Liege, Belgium) IRF3 is required for induction of allergic airway inflammation by dendritic cells
17:15 – 17:30	Marianne Raymond (l'Université de Montréal, Canada) <i>BSI Bursary Awardee</i> CD47/SIRP-alpha, interactions have a critical role in innate cell-driven type 2 allergic airway inflammation
17:30	Close of Symposium