

Program of the

4th BIENNIAL SYMPOSIUM OF THE INTERNATIONAL EOSINOPHIL SOCIETY

May 25 – 29, 2005

CONGRESS VENUE:

**University Hospital Bern,
Lecture room: Ettore Rossi**

Wednesday, May 25, 2005	
17:00	Registrations Opens
	Welcome
20:00	Hans-Uwe Simon (Switzerland; Meeting Organizer)
20:10	Martin Täuber (Dean of the Medical Faculty, University of Bern)
20:20	Redwan Moqbel (Canada; IES President)
20:30 – 23:00	Dinner with entertainment (Congress Center)

Thursday, May 26, 2005

Session: Regulation of Eosinophil Development, Functional Maturation, and Death

Session chairs – Steven Ackerman (USA) and Judah Denburg (Canada)

09:00 – 09:20	Kelly McNagny (Canada): Transcriptional regulation of eosinophil development – lessons from the avian system
09:20 – 09:40	Steven Ackerman (USA): Chromatin remodeling and transcriptional recipes for eosinophil development and lineage-specific gene expression
09:40 – 10:00	Judah Denburg (Canada): Cord blood eosinophil progenitor phenotypes as predictors of atopy and asthma
10:00 – 10:30	Coffee break (with poster viewing, posters 1-33)
10:30 – 10:50	Paul Coffe (Netherlands): Regulation of eosinophil and neutrophil differentiation by protein kinase B (PKB, c-akt).
10:50 – 11:10	Hans-Uwe Simon (Switzerland): Expression and function of IAPs in eosinophils
11:10 – 11:30	Bruce Bochner (USA): Siglec-8 – role in eosinophil survival/apoptosis

Paul Ehrlich Lectureship

Chair: Redwan Moqbel (Canada)

11:30 – 12:15	Christopher Spry (UK): Eosinophils: a backward glance to the future
12:15 – 16:00	Unscheduled (Free) Time

Session: Cutting Edge Abstracts Submitted by Young Investigators (Session #1)

Session Chairs - Miranda Buitenhuis (Netherlands) and Hans-Uwe Simon (Switzerland)

16:00	K.A. Bartemes (USA): Unique gene expression response to the fungus <i>Alternaria</i> in a mouse model of innate immunity
16:12	Y. Yamada (USA): The FIP1L1-PDGFRalpha fusion gene induces a hypereosinophilic syndrome (HES)-like disease in cooperation with the overexpression of IL-5 in mice
16:24	K.D. Dyer (USA): <i>Schistosoma mansoni</i> infection in dbI GATA eosinophil-deficient mice

16:36	L. Simson (Australia): Cancer elimination by tumour-specific Th2 cells: A role for eosinophils in tumour clearance and immunosurveillance
16:48	E. Lopez (Spain): Inhibition of chronic airway inflammation and remodeling by IL-5 down regulation in rats
17:00	A. Munitz (Israel): CD48 is critically involved in allergic-eosinophilic lung inflammation in mice
17:12	A.-L. Stenfeldt (Sweden): Recognition of danger signals by eosinophilic granulocytes derived from allogeneic peripheral blood stem cell recipients with and without graft-versus-host disease
17:24	S. Yousefi (Switzerland): Extracellular traps: A new mechanism used by eosinophils to fight against pathogens
17:36	Miranda Buitenhuis (Netherlands): Differential regulation of granulopoiesis by the basic helix loop helix transcriptional inhibitors Id1 and Id2
17:48	S. Odemuyiwa (Canada): Cyclin-dependent kinase 5 regulates mediator release in human peripheral blood eosinophils.
18:00 – 19:15	Poster Viewing Session #1, posters 1-33 (with refreshments)
20:00 – 23:00	Dinner (Kornhauskeller)

Friday, May 27, 2005

Session: Animal Models of Eosinophil Function in Health and Disease

Session Chairs – James Lee (USA) and Paul Foster (Australia)

09:00 – 09:30	Fred Finkelman (USA): Murine models of helminth infections
09:30 – 09:50	Paul Foster (Australia): Role of eosinophils in chronic asthma
09:50 – 10:20	Craig Gerard (USA): Eosinophil lineage-ablated mice in the study of allergic diseases
10:20 – 10:40	James J. Lee (USA): Existential studies of eosinophils in health and diseases: They are everywhere
10:40 – 11:00	Sanjiv Sur (USA): Role of ROS in murine asthma pathophysiology
11:00 – 11:30	Coffee break (with poster viewing, posters 34-67)

Session: Eosinophils in Gastrointestinal Diseases

Session Chairs – Helene Rosenberg (USA) and Marc Rothenberg (USA)

11:30 – 11:50	Glenn T. Furuta (USA): Pediatric eosinophilic esophagitis
11:50 – 12:10	Alex Straumann (Switzerland): Adult eosinophilic esophagitis
12:10 – 12:30	Marc Rothenberg (USA): Gastrointestinal eosinophils
12:30 – 15:30	Unscheduled (Free) Time

Session: Eosinophils in the Regulation of Th2 Immune Responses

Session Chairs – Peter Weller (USA) and Kiyoshi Takatsu (Japan)

15:30 – 16:00	Laurent Nicod (Switzerland): DCs, T regs, Th1/Th2 choice decisions
16:00 – 16:20	Redwan Moqbel (Canada): Eosinophil IDO catabolism of tryptophan in Th2-type responses
16:20 – 16:40	Peter Weller (USA): Eosinophils as antigen-presenting cells
16:40 – 17:15	Coffee/Refreshment break

**Session: Cutting Edge Abstracts Submitted by Young Investigators
(Session #2)**

Session Chairs – Bruce Bochner (USA) and Nives Zimmermann (USA)

17:15	J. Du (USA): Dual versus single GATA-1 binding sites dictate synergistic versus antagonistic interactions of PU.1 and GATA-1 in eosinophil development and gene transcription
17:27	L.A. Wagner (USA): EGO, a novel non-coding RNA gene involved in early eosinophil development.
17:39	R.C.N. Melo (Brazil/USA): Rapid secretion of preformed IL-4 by eotaxin-stimulated human eosinophils is mediated through distinct granule-derived vesicular compartments
17:51	M.W. Johansson (USA): Eosinophils form podosomes on VCAM-1, clear the VCAM-1 substrate, and localize the metalloproteinase ADAM8 to the podosomes
18:03	S. Perez (Brazil): Hepatic stellate cells are sources for leukotrienes synthesis: Possible role in eosinophil mobilization
18:15	P. Sporn (USA): The soy isoflavone genistein attenuates release of leukotriene C4 and matrix metalloproteinases by isolated human blood eosinophils
18:27	L.H. Ulfman (Netherlands): Basal activity of alpha 4 integrins on eosinophils is regulated by PLC and correlates with Rap-GTPase activity
18:39	A. Bossios (Sweden): Expression of different progenitor markers on CCR3-positive airway cells in an allergen-induced mouse model of airway inflammation
18:51	M. Radinger (Sweden): Anti-CCR3 treatment reduces CD34+/SCA-1+ cells in allergen-induced airway inflammation
19:03	P. Fulkerson (USA): CCR3 is a central regulator of leukocyte recruitment, lung remodeling, and airway hyperresponsiveness in a chronic model of experimental asthma
19:15	M.-T. Walsh (Ireland): Diverse effects of eosinophil cationic granule proteins on IMR-32 nerve cell signalling and survival
20:00 – 23:00	Dinner, Altes Tram-Depot

Saturday, May 28, 2005

Session: Anti-Eosinophil Treatment Strategies: Old & New Approaches

Session Chairs - Amy Klion (USA) and Jean Bousquet (France)

09:00 – 09:30	Amy Klion (USA): New approaches in hypereosinophilias
09:30 – 09:50	Douglas Robinson (UK): Anti-IL-5 in allergy and asthma
09:50 – 10:10	Michael Wechsler (USA): Churg-Strauss syndrome: What therapies work
10:10 – 10:30	Genevieve Choquet-Kastelevsky (France): Severe drug hypersensitivity reactions and eosinophilia
10:30 – 10:50	Jörn Elsner (Germany): Chemokine receptor antagonism
10:50 – 11:30	Coffee break (with poster viewing, posters 34-67)

Session: Roles of Eosinophils in Tissue Remodeling and Fibrosis

Session Chairs – Francesca Levi-Schaffer (Israel) and Glenn T. Furuta (USA)

11:30 – 12:00	Sem Phan (USA): Enigma of the eosinophil in fibrosis
12:00 – 12:20	Francesca Levi-Schaffer (Israel): Eosinophils: “Active” targets for repair?
12:20 – 12:40	A. Barry Kay (UK): Eosinophils in tissue remodeling in atopy and asthma - lessons from anti-IL-5 (mepolizumab)
12:40 – 16:00	Unscheduled (Free) Time
12:40 – 14:00	Meeting of the IES Executive Committee (seminar room, Dept. of Pharmacology)

Session: New Pathogenic Aspects of Hypereosinophilic Syndromes

Session Chairs - Barbara Bain (UK) and Thomas Nutman (USA)

16:00 – 16:30	Gerald J. Gleich (USA): General overview of the HES versus CEL
16:30 – 17:00	Jan Cools (Belgium): Molecular genetics of chronic eosinophilic leukemia
17:00 – 17:20	Florence Roufosse (Belgium): The lymphocytic variant of HES
17:20 – 17:40	Barbara J. Bain (UK): HES versus CEL – is there an overlap?
17:40 – 19:00	Poster Viewing Session #2, posters 34-67 (with refreshm.)
20:00 – 23:00	Dinner (with award ceremony and entertainment; Restaurant Tierpark Dählhölzli)

Sunday, May 29, 2005

Session: Mechanisms of Eosinophil Activation and Inhibition

Session Chairs - Paul Coffey (Netherlands) and Redwan Moqbel (Canada)

09:00 – 09:30	Paul J. Bertics (USA): Lessons from signaling studies – an overview of the processes associated with eosinophil priming and activation
09:30 – 09:50	Leo Koenderman (Netherlands): Cross talk between integrins and cytokine receptors expressed on human eosinophils
09:50 – 10:10	Paige Lacy (Canada): Molecular mechanisms regulating mediator release from eosinophils and neutrophils
10:10 – 10:30	Rafeul Alam (USA): An update on IL-5 signaling in eosinophils
10:30 – 11:00	Coffee break

Session: Participation and Roles of Eosinophils in Innate Immunity

Session Chairs – Monique Capron (France) and Robert Schleimer (USA)

11:00 – 11:30	Robert Schleimer (USA): Integration of inflammation and innate immunity in the airways
11:30 – 11:50	Monique Capron (France): Eosinophils in innate immunity: interactions with mycobacteria
11:50 – 12:10	Hirohito Kita (USA): Eosinophil interaction with fungi and disease
12:10 – 12:30	Richard Costello (Ireland): Eosinophils and nerves
12:30 – 12:50	Per Venge (Sweden): ECP and parasitic infection

Session: Meeting Summary and Conclusion

	Meeting Summary:
13:00 – 13:20	Steven Ackerman (USA): Basic science
13:20 – 13:40	Judah Denburg (Canada): Clinical science
	Acknowledgements and Conclusions of the Meeting:
13:40	Hans-Uwe Simon (Meeting Organizer)
13:45	Redwan Moqbel (IES President)

Dinners and coffee breaks are sponsored by pharmaceutical companies.