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WELCOME TO QUÉBEC CITY

Samuel de Champlain founded Québec City (pronounce KEBEK) on July 3, 1608. In Algonquian (the spoken language of one of the native nations living in the area at the time), Québec means place where the river narrows. The old City is part of the Unesco world heritage.

For numerous years, Québec City was a key Settlement in North America and was heavily militarized. You will notice fortifications (city walls) surrounding the old City that are reminiscent of its strategic importance. Other key sites such as the Plains of Abraham and the Citadel are also important witnesses of the long lasting military presence in the City.

What to visit in the City
Take advantage of your stay to walk the old City notably “Place Royale” and the “Petit Champlain,” walk “la rue Saint-Jean,” “la place d’Youville,” and “la rue Saint-Paul.” Don’t hesitate to take the ferry across the St-Lawrence River in order to have a look at the old City from another point of view. The Fairmont organizes tours and a Tourist Office is located in the front of the Château. Additionally, you will find key information about what to do in Québec at the following website: www.quebecregion.com/en

Shows and events
There are many artistic events during the summer. At dusk, go the “Vieux Port” to watch the The Image Mill (le moulin à images; www.lacaserne.net/index2.php/other_projects/the_image_mill/) projected on the harbor building (free). Attend the “Fêtes de la St-Jean”, a music show on the “Plaines d’Abraham” followed by fireworks during the evening of June 23. Reserve a seat for the “Cirque du Soleil.”
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ACKNOWLEDGEMENTS

We would like to thank the following corporations, institutions, foundations, societies and individuals who contributed to the Symposium:

SYMPOSIUM SUPPORTERS

Platinum ($50,000+)
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   Cincinnati Children’s Hospital Medical Center
   Johns Hopkins University
   McMaster University

We thank the following individual for his outstanding fundraising efforts on behalf of the IES.
   Steven Ackerman

We thank the following individuals for their diligent evaluation of the abstracts:
   Helene Rosenberg, Paige Lacy, David Abraham, and Michael Minnicozzi

We thank the following individuals for their service on the award committees:
   Seema Aceves, Steven Ackerman, Monique Capron, Kimberly Dyer, Allison Fryer, Gerald Gleich, Simon Hogan, Francesca-Levi Schaffer, Redwan Moqbel, Per Venge, and Andrew Wardlaw
David Bass

We recognize with sadness the death of Dr. David Bass, a dedicated eosinophilologist. David died in July, 2009 after a long illness. At his death, David A. Bass, M.D., D. Phil., was Professor Emeritus of Internal Medicine at Wake Forest University School of Medicine. During his 30-year career in the Department of Internal Medicine, Dr. Bass served with distinction as the Thomas H. Davis Professor of Pulmonary Medicine, and in many capacities including Chief of the Section on Pulmonary, Critical Care, Allergy and Immunology, Acting Chief of Rheumatology, and Co-Head of the Section on Molecular Medicine. He also directed the MD/PhD program at Wake Forest University. Dr. Bass was an outstanding investigator, physician-scientist and mentor. Because of his research accomplishments and international reputation, Dr. Bass was elected to the American Society of Clinical Investigation, and received a number of other prestigious honors throughout his productive career. David’s initial studies of eosinophils were undertaken in concert with his training with the late Professor Paul Beeson at Oxford University. Professor Beeson, as an savvy physician-scientist, and his research group at Oxford University made significant and salient contributions to understanding the immunobiology of eosinophils, including studies documenting the T cell dependence of eosinophilia. David Bass made contributions to understanding mechanisms of eosinopenia in inflammation and of leukocyte activation and co-authored in 1977 with Professor Beeson a monograph on eosinophilia.
SCIENTIFIC PROGRAM

TUESDAY, JUNE 21

Welcome Reception - 17:00 to 19:00

WEDNESDAY, JUNE 22

Breakfast (on your own)

All sessions take place in the Frontenac Ballroom

Presidential Address - 09:00 to 09:15

James Lee (USA)

Introduction - The Eosinophil Ambassadors - 09:15 to 10:00

09:15 - 09:30
What lies before our eyes may be lies: eosinophil degranulation---in the absence of intact eosinophils
Gerald Gleich (USA)

09:30 - 09:45
Of mice and men - ECP makes the difference?
Per Venge (Sweden)

09:45 - 10:00
Eosinophils - We come in peace (or do we): Conspiracy, string and other theories from a consummate eosinophilophile
Steven Ackerman (USA)

Coffee Break - 10:00 to 10:30

Eosinophils I - 10:30 to 12:00

Chair
Leo Koenderman (Netherlands)

10:30 - 10:50
Eosinophil receptors, receptor-mediated inhibition
Ariel Munitz (Israel)

10:50 - 11:10
Eosinophils regulate dendritic cell-induced Th2 polarization following allergen challenge in a mouse model of asthma
Elizabeth Jacobsen (USA)

11:10 - 11:30
Eosinophils and extracellular traps
Hans-Uwe Simon (Switzerland)

11:30 - 11:45
Abstract speaker
Impact of endocannabinoids on human eosinophils activation
Nicolas Flamand (Canada)

11:45 - 12:00
Abstract speaker
Negative regulation of eosinophil production by TLR4 ligand
Patricia Fulkerson (USA)

Lunch - 12:00 to 13:30 (on your own)
**Eosinophils II - 13:30 to 15:00**

Chair
Steven Ackerman (USA)

13:30 - 13:50  
**Eosinophils in the lung - Forever Young?**  
Madeleine Rådinger (Sweden)

13:50 - 14:10  
**Characterization of eosinophils in the zebrafish**  
David Traver (USA)

14:10 - 14:30  
**CD34 and eosinophils - beyond hematopoiesis**  
Kelly McNagny (Canada)

14:30 - 14:50  
**Identification of human eosinophil lineage-committed progenitors**  
Yasu Mori (Japan)

14:50 - 15:00  
**Presentation of the 1st Gerald Gleich Award to Dr. Yasuo Mori**  
Gerald Gleich (USA)

**Coffee - 15:00 to 15:30**

**Eosinophils III - 15:30 to 17:15**

Chair
Paige Lacy (Canada)

15:30 - 15:50  
**Role of IL-25 in intestinal allergic inflammation**  
Yui-Hsi Wang (USA)

15:50 - 16:10  
**Eosinophil granule-derived cytokines: Mechanisms of secretion**  
Lisa Spencer (USA)

16:10 - 16:30  
**Signal transduction pathways involved in regulation of eosinophil differentiation**  
Miranda Buitenhuis (Netherlands)

16:30 - 16:45  
**Mechanisms of eosinophil accumulation in allergic diseases**  
Nives Zimmermann (USA)

16:45 - 17:00  
**What we have learned from ex vivo differentiated bone marrow eosinophils**  
Kimberly Dyer (USA)

17:00 - 17:15  
Abstract Speaker  
**N-glycans and eosinophil trafficking**  
P. Sriramarao (USA)
SCIENTIFIC PROGRAM

THURSDAY, JUNE 23

**Breakfast (on your own)**

**Eosinophils IV - 08:00 to 09:15**

Chair
David Abraham (USA)

08:00 - 08:20
**Ribonuclease-sensing by dendritic cells promotes Th2 responses**
Dragana Jankovic (USA)

08:20 - 08:40
**A TRAIL-regulated E3 ubiquitin ligase links allergen and rhinovirus exposure to asthma via targeting a protein phosphatase**
Joerg Mattes (Australia)

08:40 - 09:00
**Eosinophils regulate local immunity during parasitic nematode infection**
Judith Appleton (USA)

09:00 - 09:15
Abstract speaker
**Eosinophils regulate local immunity during muscle infection by Trichinella spiralis**
Nebiat Gebreselassie (USA)

**Eosinophils in Health and Disease I - 09:20 to 10:00**

Chair
Amy Klion (USA)

09:20 - 09:40
**Diagnosis and treatment of lymphocytic variant hypereosinophilic syndrome: state of the art and perspectives in 2011**
Florence Roufosse (Belgium)

09:40 - 10:00
**New classification of eosinophil hematopoietic disorders: report from Vienna meeting**
Peter Weller (USA)

**Coffee Break - 10:00 to 10:30**

**Eosinophils in Health and Disease II - 10:30 to 11:55**

Chair
Marc Rothenberg (USA)

10:30 - 10:45
**Gastrointestinal eosinophils: friend or foe?**
Glenn Furuta (USA)

10:45 - 11:00
**Monocyte/macrophage-CCL11-eosinophil axis in inflammatory bowel diseases**
Simon Hogan (USA)

11:00 - 11:15
**Mouse models of eosinophilic esophagitis**
Carine Blanchard (USA)

11:15 - 11:30
**Induction and activation of invariant natural killer T cells is critical in the initiation and progression of eosinophilic esophagitis**
Anil Mishra (USA)

11:30 - 11:55
**Genomic and MicroRNA analysis of Eosinophilic Esophagitis**
Marc Rothenberg (USA)

**Lunch - 12:00 to 13:30 (on your own)**
Eosinophils in Health and Disease II (continued) - 13:30 to 13:55

Chair
Marc Rothenberg (USA)

13:30 - 13:50  
Remodeling, eosinophils, and eosinophilic esophagitis  
Seema Aceves (USA)

13:50 - 14:10  
Medical treatment of eosinophilic esophagitis: New insights  
Alex Straumann (Switzerland)

14:10 - 14:25  
Abstract speaker  
Hierarchical IL-5 expression defines a subpopulation of highly-differentiated "pro-eosinophilic" human Th2 cells  
Calman Prussin (USA)

14:25 - 14:40  
Abstract speaker  
Role of IL-33 and eosinophils in intestinal inflammation  
Joanne Masterson (USA)

14:40 - 14:55  
Abstract speaker  
The role of the small GTPase Rho H in eosinophil development and eosinophilic disorders  
Christina Stoeckle (Switzerland)

Coffee Break - 15:00 to 15:30

IES Business Meeting (All are Welcome) – 15:30 -16:15

Eosinophils in Health and Disease III - 16:30 to 17:30

Chair
Kristin Leiferman (USA)

16:30 - 16:50  
Eosinophils and dermatologic diseases  
Dagmar Simon (Switzerland)

16:50 - 17:10  
Eosinophils support the long term survival of plasma cells in the murine bone marrow  
Claudia Berek (Germany)

17:10 - 17:30  
Identification of innate IL-5 producing cells that promote eosinophil recruitment and contribute to antitumor immunity  
Kiyoshi Takatsu (Japan)

Poster Preview - Highlights from the Podium - 17:30 to 18:00

Chair
Helene Rosenberg (USA)
SCIENTIFIC PROGRAM

**Breakfast** (on your own)

*Eosinophils in Health and Disease IV - 08:00 to 09:50*

Chair
A. Barry Kay (United Kingdom)

08:00 - 08:20
Asthma and eosinophils: can some controversies be overcome?
Frederick Hargreave (Canada)

08:20 - 08:40
Eosinophils and asthma; A link to exacerbations and remodeling
William Busse (USA)

08:40 - 09:00
Regulation of eosinophil progenitors in allergic asthma
Gail Gauvreau (Canada)

09:00 - 09:20
Human studies of eosinophils and allergic tissue reactions
A. Barry Kay (United Kingdom)

09:20 - 09:35
Abstract speaker
Inhibition of eosinophilic inflammation by supplementation with 5-hydroxytryptophan, a serotonin precursor
Joan Cook-Mills (USA)

*Coffee and Poster Viewing* - 9:35 to 10:25

*Eosinophils in Health and Disease V - 10:25 to 12:00*

Chair
Michael Minnicozzi (USA)

10:25 - 10:45
New insights into the roles of eosinophils in chronic rhinosinusitis
Robert Schleimer (USA)

10:45 - 11:05
Airway exposure to fungal antigens induces innate eosinophilia mediated by a novel Th2-type lymphoid cell subset
Hirohito Kita (USA)

11:05 - 11:25
A tale of two cells: Interactions between nerves and inflammatory cells in the lungs
Allison Fryer (USA)

11:25 - 11:45
 Viruses, nerves, and eosinophils in asthma
David Jacoby (USA)

11:45 - 12:00
Noninvasive assessment of atopic diseases: Metabolomic profiling of urine using nuclear magnetic resonance (NMR) analysis
Darryl Adamko (Canada)

*Lunch - 12:00 to 13:30 (on your own)*
Eosinophils and Therapy I - 13:30 to 15:00

Chair
Alex Straumann (Switzerland)

13:30 - 13:50
Antagonists of IL-5 in asthma
Andy Wardlaw (United Kingdom)

13:50 - 14:10
Benralizumab, a humanized anti-interleukin 5 receptor-alpha monoclonal antibody, with enhanced antibody-dependent cell-mediated cytotoxicity function, in development for the treatment of asthma
Alison Humbles (USA)

14:10 - 14:30
Targeting eosinophil-specific siglecs
Bruce Bochner (USA)

14:30 - 14:45
Abstract speaker
Reslizumab in children and adolescents with eosinophilic esophagitis: results of a double-blind, randomized, placebo-controlled study.
Jonathan Spergel (USA)

14:45 - 15:00
Abstract speaker
The generation and characterization of inducible eosinophil-less transgenic mice
Lian Willetts (USA)

Coffee and Poster Viewing - 15:00 to 15:30

Ehrlich Award Presentation and Lecture - 15:30 to 16:45

15:30 - 15:45
Introduction
Redwan Moqbel (Canada)

15:45 - 16:30
Lecture: The attraction of eosinophiles
Timothy Williams (United Kingdom)

16:30 - 16:45
Award Presentation
Redwan Moqbel (Canada)

Poster Viewing - 16:45 to 18:30

Evening Activity - 19:00 to 21:00
SCIENTIFIC PROGRAM

**Breakfast (on your own)**

**Personal Visions and Individual Directions - 08:00 to 10:00**

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<td>Eosinophils - Long a foot, but not effete</td>
<td>Peter Weller (USA)</td>
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<td>08:30</td>
<td>My endless love story with eosinophils</td>
<td>Monique Capron (France)</td>
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<td>09:00</td>
<td>From postdoc-to-fullstop</td>
<td>Paul Foster (Australia)</td>
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<td>09:30</td>
<td>From parasites to allergy: Destiny strikes</td>
<td>Francesca Levi-Schaffer (Israel)</td>
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**Coffee and Poster Viewing - 10:00 to 10:30**

**Personal Visions and Individual Directions (Continued) - 10:30 to 11:30**

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<td>The eosinophil as a teacher: “Basic” lessons and insights!</td>
<td>Redwan Moqbel (Canada)</td>
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<td>11:00</td>
<td>Eosinophil priming and activation: It takes two to tango</td>
<td>Leo Koenderman (Netherlands)</td>
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**Concluding Remarks - 11:30 to 12:00**

James Lee (USA)
The Ehrlich Lectureship is awarded at the biennial Eosinophil symposia of the International Eosinophil Society, Inc. to an individual(s) who has made seminal scientific contributions to research on the eosinophil and related allergy/immunology fields in terms of eosinophil biochemistry, development, cellular, molecular, structural or immunobiology and/or the participation of the eosinophil in the pathogenesis of Eosinophil-associated allergic or parasitic diseases and hypereosinophilic syndromes.

Professor Timothy J. Williams, PhD, FMedSci, is Emeritus Professor /Asthma UK Professor of Applied Pharmacology in the National Heart and Lung Institute at Imperial College, London, UK. Dr. Williams has served as a teacher, scholar, mentor, and leading researcher in the field of inflammation biology. He is a world-renowned expert in leukocyte biology, mechanisms of leukocyte recruitment, and pharmacologic interventions directed toward treatments of asthma and respiratory disease. His research reports have been cited prominently, and he has been recognized by numerous invited lectureships and awards, notably the Pfizer Prize (1984) and the Gaddum Memorial Prize (2000). We are delighted that he will be delivering the Paul Ehrlich Lecture at the 7th International Eosinophil Symposium, and receiving the Ehrlich Prize. This prize is awarded in recognition of Dr. Williams’ discovery of eotaxin, a molecule with unique eosinophil chemoattractant properties, and likewise for his profound contributions to the understanding of eosinophil trafficking, eosinophil-mediated inflammation, and the role of eosinophils in health and disease.

Recipient of the 2011 Ehrlich Lectureship:

Paul Ehrlich Lectureship
International Eosinophil Society, Inc.
2011

Timothy J. Williams, PhD, FMedSci

For the discovery of Eotaxin and outstanding contributions to the understanding of eosinophil trafficking, eosinophil mediated inflammation and the role of eosinophils in health and disease
GLEICH AWARD

Dr. Yasuo Mori will receive the first Gerald Gleich prize. This prize will be awarded for the first time at Eosinophils 2011: Forever Young, and was created to recognize the individuals who have published high impact findings during the intervals since the preceding meeting. This award was named in honor of our esteemed colleague, Dr. Gerald Gleich, who has devoted his career to the exploration of the eosinophilic leukocyte and to the elucidation of its role in health and disease.

Dr. Mori was selected for this honor based on his first-authored publication “Identification of the human eosinophil lineage-committed progenitor: revision of phenotypic definition of the human common myeloid progenitor” J Exp Med. 2009 Jan 16;206(1):183-93 which was from the laboratory of Dr. Koichi Akachi at Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan. In this work, Dr. Mori and Dr. Akachi defined an antigen profile for an unique eosinophil progenitor cell in human bone marrow and recognized its potential as a therapeutic target. We are delighted that Dr. Mori will be joining us at this meeting and receiving this award.

Recipient of the 2011 Gleich Award
Dr. Steven J. Ackerman, PhD, is the first recipient of the newly-established International Eosinophil Society Service Award. Dr. Ackerman is a graduate of McGill University, Montréal, Canada, and is currently Professor of Biochemistry and Molecular Genetics and Professor of Medicine at University of Illinois at Chicago. Dr. Ackerman, who is immediate past-president of the IES, has worked tirelessly on behalf of this organization. Among his activities, Dr. Ackerman organized the Third Eosinophil Symposium in Snowmass, Colorado, and co-organized and participated in fundraising activities for all of the meetings since then, including the organization, preparation, and submission of the NIH R13 conference grants. He served as Treasurer for the IES from 2003 until 2007, and both President and Treasurer from 2007 until 2009. During this time, he provided structure and financial stability to the fledgling organization. This prize is awarded to Dr. Ackerman in recognition of and gratitude for the dedicated service he has provided to the International Eosinophil Society and to the larger community of eosinophil scientists worldwide.

Recipient of the 2011 Service Award