

## **CURRICULUM VITAE**

**NAME:** Qutayba Hamid

**NATIONALITY:** Canadian

**QUALIFICATIONS:** MB ChB Mosul University (1978)  
PhD (Faculty of Medicine), Univ. of London, UK  
FRC Path (Fellow of the Royal College of Pathologists), London, UK  
MRCP (Member of the Royal College of Physicians), London, UK  
FRCP (Fellow, Royal College of Physicians), Canada  
FRS (Fellow, Royal Society of Canada)

### **APPOINTMENTS:**

Current Appointment:

September 2017 – to date: Vice Chancellor for Medical and Health Sciences Colleges, and Dean of College of Medicine, University of Sharjah

September 2015 – Sep 2017: Dean of College of Medicine, Univeristy of Sharjah

October 2014 – Sept 2016: Special Advisor, International Initiatives  
Faculty of Medicine, McGill University

January 2010 -  
September 2015: Associate Director, Recruitment and Career Development  
McGill University Health Centre Research Institute

October 2008 -  
September 2016: Director, Meakins-Christie Laboratories  
McGill University

September 2005 –Sept 2015: MUHC Strauss Chair in Respiratory Medicine  
McGill University Health Center

January 2001- 2015: James McGill Professor of Medicine and Pathology  
McGill University

June 1998- 2015: Professor of Medicine and Pathology  
McGill University (Full Professor with tenure since 1997)

February 1999-2010: Director, Respiratory Axis  
McGill University Health Centre

June 1993 – 2008: Research Director, Meakins-Christie Laboratories  
McGill University

June 1993 - May 1998: Associate Professor of Medicine and Pathology,  
McGill University

June 1993 - April 2001: Service Director, , Royal Victoria Hosp.,  
Attending Staff, Dept. of Medicine, Royal Victoria Hospital

February 1996 - 2000: Associate Scientific Director, Respiratory Health- Network of  
Centres of Excellence (Inspiraplex), Montreal Chest Institute

**PREVIOUS APPOINTMENTS IN THE U.K. (1984-1993):**

1984-1988: Fellow, Histochemistry Unit, RPMS  
Hammersmith Hospital, London, U.K.

Oct 1988-Nov 1989: Lecturer, National Heart and Lung Institute,  
Brompton Hospital, London, U.K.

Nov. 1989-Nov. 1993: Senior Lecturer  
Departments of Allergy and Clinical Immunology & Pathology  
National Heart and Lung Institute, Brompton Hospital, London, U.K.

**RESEARCH EXPERIENCE:**

**Current areas of research interest**

- Pathogenesis of asthma and allergic inflammation
- Cytokines and chemokines in asthma and allergic inflammation
- Transcription factors in asthma
- Airway remodeling in asthma and COPD
- Pathogenesis of severe asthma
- New therapies in asthma and COPD

**Teaching activities and supervision**

London University, U.K.:

- Selected as a recognized teacher for the University of London, Faculty of Medicine
- Supervised the research programme of a number of researchers including PhD and MSc students and visiting fellows
- Instructor at the core courses for Ph.D. students at the University of London

McGill University, Montreal, Canada:

- Teaching at a number of McGill graduate courses
- Teaching undergraduate students,- Organizer, (1996-2011) "Cytokines in Health and Disease Course" (546-607B), McGill University, January - April (3 credit graduate course)

**International courses organized:**

- Two international courses (1988/1989) on in situ hybridization at the Hammersmith Hosp, London, U.K.

- The National Heart & Lung Institute international course of molecular pathology, London, U.K., September 1989
- “In Situ Hybridization” 2-day symposium (September 1996), Montreal, Canada
- “In Situ Hybridization & Immunocytochemistry” 2-day symposium (September 1997), Montreal, Canada
- The 1st Annual Meakins-Christie International Workshop on “Chemokines” (February 1998), Bromont, Quebec
- The 2nd Annual Meakins-Christie International Workshop on “Chemokines and Cytokines Receptors” (February 1999), St. Sauveur, Quebec
- The 3rd Annual Meakins-Christie International Workshop on “Interaction between Inflammation/ Remodeling and Smooth Muscle”, (June 2000), Ste-Adele, Quebec, Canada
- Meakins-Christie/Hopital Laval Scientific Exchange on “Inflammation and Airway Remodeling in Pulmonary Diseases” (November 6-7, 2000), Universite Laval, Quebec City, QC.
- The 4th Annual Meakins-Christie International workshop on “Pathogenesis and Treatment of Asthma and COPD: Current and Future Aspects” February 2001, Magog-Orford, Quebec, Canada
- 3M workshop on “The Role of Small Airways in Asthma: New Concepts in Pathophysiology and Treatment” (June 30-July 1, 2001), Magog-Orford, Quebec, Canada
- Meakins-Christie/Hopital Laval Scientific Exchange (January 21, 2002), Meakins-Christie Laboratories, McGill University, Montreal, Quebec, Canada
- The 5th Annual Meakins-Christie International Workshop on “Pathogenesis and Treatment of Asthma”, February 2002, Bromont, Quebec, Canada
- The 6<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2003, St. Sauveur, Quebec, Canada
- The 7<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2004, Bromont, Quebec, Canada
- The 8<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2005, Magog-Orford, Quebec, Canada
- The 9<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2006, Ste-Adele, Quebec, Canada
- Symposium on Obesity and Asthma, November 2006, Atwater Club, Montreal, Quebec, Canada
- The 10<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2007, St. Sauveur, Quebec, Canada
- Symposium on Sleep Apnea, October 2007, Atwater Club, Montreal, Quebec, Canada
- The 11<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2008, Magog, Orford, Quebec, Canada

- Symposium on Oxidative Stress and Inflammation in Obstructive Sleep Apnea, October 2008, Meakins-Christie Laboratories, Montreal, Quebec, Canada
- The 12<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, March 2009 Marrakech, Morocco
- The 13<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD”, February 2010 Bromont, Quebec, Canada
- The 14<sup>th</sup> Annual Meakins-Christie International Workshop on “Asthma and COPD” January 2011 Dead Sea, Jordan
- The 15<sup>th</sup> Annual Meakins-Christie International Workshop on "Advances in the Pathogenesis and Management of Asthma and COPD" February 2012 Vaudreuil-Dorion, QC
- 1st Meeting on Overlap Syndrome. Severe Asthma and COPD: Similarities and Differences Symposium, October 2013, Montreal, QC
- The 16<sup>th</sup> Annual Meakins-Christie International Workshop on "Advances in the Pathogenesis and Management of Asthma and COPD" March 2014 Dubai, UAE
- 2nd Meeting on Overlap Syndrome. Asthma and COPD: Similarities and Differences Symposium, November 2014, Montreal, QC
- 1st Annual Peter Macklem Lecture, Meakins-Christie Laboratories, McGill University, October 2014
- The 17<sup>th</sup> Annual Meakins-Christie International Workshop on "Asthma and COPD" February 2015 Bromont, QC

### **Administrative Responsibilities**

**2015-present** Dean of College of Medicine, University of Shrhjah, UAE 2014-present: Special Advisor, International Initiatives, Faculty of Medicine, McGill University  
 2010-2015: Member, Management Committee, McGill University Health Centre  
 2010-2015: Associate Director, McGill University Health Centre, Research Institute  
 2008-2016: Director, Meakins-Christie Institute  
 1999-present: Leader, Respiratory Axis, McGill University Health Centre, Research Institute  
 1999-2006: Member, Respiratory Committee, CIHR, Ottawa, Ontario  
 1997-2008: Chairman, Montreal Chest Institute Research Committee, McGill University  
 1997-2001: Member, Medical Research Council of Canada “Scholarship” Committee  
 1996-1999: Associate Scientific Director, Inspiraplex, Montreal Chest Institute, McGill University  
 1993-2008: Member, Meakins-Christie Advisory Committee, McGill University  
 1993-2000: Member, Meakins-Christie Fellowship Committee, McGill University  
 1993-1997: Member, Montreal Chest Institute Research Committee, McGill University  
 1993-1997: Chairman, Animal Ethics Committee, Meakins-Christie Laboratories, McGill University

### **Membership in Professional Organizations**

2014- Member, Canadian Society of Clinical Investigation, Canada  
 2013- Fellow, Royal Society of Canada (FRS)  
 2007-2012: Member, ICRH Institute Advisory Board

2006-present: Fellow, American Academy of Allergy, Asthma and Immunology  
2002-present: Fellow, Royal College of Physicians, Canada  
1998-present: Member, New York Academy of Sciences  
1998-present: Fellow, Royal College of Pathologists, United Kingdom  
1997-present: Member, American Thoracic Society, American Lung Association, New York  
1990-present: Member, Royal College of Physicians, London, United Kingdom

### **Editorial Board**

2009-2016: The Clinical Respiratory Journal (Editor)  
2009-present: Expert Review of Clinical Immunology  
2009-2016: Clinical and Experimental Allergy (Co-editor)  
2008-2010: Advisor, Oman Medical Journal  
2003-2008: Associate Editor, Journal of Allergy and Clinical Immunology  
2001-present: Canadian Journal of Allergy and Clinical Immunology / Section Editor  
1998-2003: Thorax  
1996-2003: Journal of Clinical and Experimental Allergy  
1996-2001: Journal of Allergy and Clinical Immunology

### **Referee for Journals**

American Journal of Respiratory and Critical Care Medicine; American Journal of Respiratory Cell and Molecular Biology; International Archives of Immunology; Journal of Clinical Investigation; Journal of Immunology/PNAS; Nature, New England Journal of Medicine

### **Referee for Granting Agencies**

Medical Research Council, United Kingdom  
Wellcome Trust, UK  
Quebec Thoracic Society, Canada  
F.R.S.Q. Quebec, Canada  
Canadian Inst. of Health Research, Scholarships "D" Awards & Respiratory Committees NIH, USA  
Clinical and Experimental Allergy / Co-editor in chief  
Senior Scholarship Alberta Heritage Foundation  
Parker B. Francis Fellowship Foundation

### **Honours and Awards**

2014: Canadian Society of Clinical Investigation (CSCI) Distinguished Scientist Award, Canada  
2013: Fellow of the Royal Society of Canada (FRS)  
2011: CIHR-ICRH & CTS Distinguished Lecturer in Respiratory Sciences Award, Canada  
2007: Burton Zweiman Lectureship, 2007 AAAAI meeting, San Diego, CA, USA  
2005: MUHC Straus Chair in Respiratory Medicine  
2005: FRSQ Chercheurs-Nationaux Award  
2003: CSACI Award for Research in Immunology, Vancouver, Canada  
2001: James McGill Professor, McGill University, Montreal, Quebec, Canada  
2001: FRSQ Senior Chercheur-Boursier Award (FRSQ)  
1999: Pfizer Professorship Award  
1997: FRSQ Award (Fonds de la Recherche en Sante du Quebec)

- 1995: FRSQ Award (Fonds de la Recherche en Sante du Quebec)
- 1993: Pharmacia Research Award
- 1988: ORS Award, London, United Kingdom
- 1987: ORS Award (from the Committees of Vice-Chancellors and Principals of the universities of the United Kingdom). The criteria for the award were outstanding merit and research. London, United Kingdom

## **Visiting Professor**

1. Visiting Professor, Nat'l Centre for Immunology & Resp. Med. Denver, Colorado, USA (1993)
2. Visiting Professor, Pasteur Institute, Lille, France (1994)
3. Visiting Professor, Washington Univ., Div. of Allergy & Immunology, St.Louis, MO (April 1995)
4. Visiting Professor, The University of British Columbia, Pulmonary Research Laboratory, Vancouver, BC, Canada (August 1995)
5. Visiting Professor, McMaster University, Division of Clinical Immunology & Allergy, Hamilton, ON, Canada (June 1995)
6. Visiting Professor, Universite de Laval, Centre de Pneumologie de l'Hopital Laval, Sainte-Foy, QC, Canada (June 1995)
7. Visiting Professor, Yale Univ, Pulm. & Critical Care Section, New Haven, CT, USA (Oct 1996)
8. Visiting Professor, Osaka University, Japan, (October 1998)
9. Visiting Professor, Kyoto University, Japan (October 1998)
10. Visiting Professor, Univ. of Wisconsin-Madison Med. School, Madison, WI, USA (Nov. 1998)
11. Visiting Professor, John Hopkins University, Baltimore, MD, USA (May 1999)
12. Visiting Professor, Institut Pasteur de Lille, France (August 2000)
13. Visiting Professor, University of British Columbia, Canada (February 2001)
14. Visiting Professor, Univ. of Wisconsin-Madison Medical School, Madison, WI, USA (Aug. 2001)
15. Visiting Professor, University of Toronto (November 2001)
16. Visiting Professor, Sultan Qaboos University, Oman (January 2003)
17. Visiting Professor, Riyadh, Saudi Arabia, (January 2004)
18. Visiting Professor, Jeddah, Saudi Arabia (January 2004)
19. Visiting Professor, Jeddah, Saudi Arabia (November 2005)
20. Visiting Professor, Riyadh, Saudi Arabia (March 2006)
21. Visiting Professor, Jeddah, Saudi Arabia (November 2006)
22. Visiting Professor, University of Chicago (June 2007)
23. Visiting Professor, Johns Hopkins University (June 2007)
24. Visiting Professor, University of Pennsylvania (June 2007)
25. Visiting Professor, Riyadh, King Saud University (September 2007)
26. Visiting Professor, University of Leuven, Belgium (December 2007)
27. Visiting Professor, McMaster University, Canada (January 2008)
28. Visiting Professor, United Arab of Emirates, (February 2008)
29. Visiting Professor, University of Louisville, KY, USA (July 2008)
30. Visiting Professor, Duke University, USA (2009)
31. Visiting Professor, University of Vermont, USA (2010)
32. Visiting Professor, Boston University, USA (2011)
33. Visiting Professor, University of Toronto, CANADA (2012)
34. Visiting Professor, Kyoto University, JAPAN (2013)
35. Visiting Professor, Tokyo University, JAPAN (2014)

## SUPERVISORY ACTIVITIES

### Postdoctoral fellows:

<b>Period</b>	<b>Name</b>	<b>Project</b>
09/2015-	Naoki Iijiri	Severe asthma and COPD: Similarities and differences (ACOS)
11/2014-12/2015	Olivier Le Rouzic	Mechanisms of steroid resistance in asthma
09/2014-	Alice Panariti	Immunopathology of severe asthma: innate lymphoid cells and markers of oxidative stress
10/2010-10/2013	Audrey Poon	Genetics of asthma: Expression of various candidate genes that are associated with asthma
09/2009-08/2013	Ying Chang	Th17 is a subset of T cells characterized by the production of IL-17A, IL-17F & IL-22
07/2013-06/2015	Kevin Dessalle	Basic mechanistic and translational res. on the epithelial-mesenchymal transition (EMT)
07/2011-06/2013	Michiyoshi Nishioka	The role of epithelial cells in asthma
04/2011-06/2013	Shigenori Kyoh	Expression of telomerase in asthma and COPD
02/2011-12/2011	Jill Johnson	Epithelial mesenchymal transition: Role in airway remodeling
01/2009-08/2009	Nicholas Boulais	Th17 cells in COPD
01/2008-03/2009	Mohammed Al Samri	Pathogenesis of severe asthma
04/2007-03/2009	Naoya Takeda	ASM cell migrate toward the epithelium in bronchial asthma
07/2007-06/2008	Fahad Saab	Pediatric sleep apnea
10/2004-09/2007	Yuki Sumi	Interaction of neuropeptides and inflammation
11/2004-08/2007	Susan Foley	Role of Relms in severe asthma
10/2004-09/2006	Kazuhisa Asai	Mechanisms of immunotherapy
03/2004-09/2006	Isao Ito	Role of ADAM33 in asthma
02/2002-06/2006	Severine Letuve	Role of eosinophils in airway remodeling
04/2004-03/2006	Yasuhiro Yamauchi	Effect of steroid on inflammation in COPD
09/2003-06/2005	Celine Bergeron	The role of T cells in airway remodeling
12/2004-03/2005	Abdullah Al Fiaar	Infection and immunity
03/2004-01/2005	Fatma Al Enezi	Mycoplasma in severe asthma
07/2003-06/2004	Carmela Pepe	Mechanisms of severe asthma
07/2003-06/2004	Patrick Daigneault	Th2 cytokines and bronchial epithelial cells function asthmatic airway remodeling
09/2000-04/2004	Motonori Fukakusa	Role of transcription factors in asthma
07/2001-01/2004	Hans Peter Hauber	Hyperresponsiveness in cystic fibrosis
01/2001-11/2003	Meri Tulic	Effect of LPS on allergic inflammation in children
07/2002-06/2003	Joanne Shannon	Difficult asthma
01/2001-08/2002	Oday Al Dewachi	Heaves in horses
07/2001-06/2002	Samer Fakhri	Superantigen in the upper airway
01/1995-12/2001	Rame Taha	Cytokine expression in active pulmonary tuberculosis
05/1997-06/2001	Abdelilah Soussi Gounni	Chemokines and chemokine receptors characterization
01/2000-02/2001	Shigeru Miyata	Role of IL-15 in lung diseases
08/1998-12/2000	Shigeo Muro	Effect of anti-leukotriene on cytokine gene expression
04/2000-10/2000	Petr Panzner	Role of cytokine in an obstructive lung disease
08/1998-08/2000	Masao Toda	Mechanisms of airway remodeling
04/1997-01/2000	Sophie Molet	Use of antisense technology in a rat model asthma
10/1997-11/1999	Ayako Shimbara	Regulation of Il-9 gene expression
10/1997-09/1999	Daizo Ihaku	Effect of anti-leukotriene on cytokine gene expression
07/1996-09/1999	Eleanor Minshall	The role of eotaxin in bronchial asthma and a murine model of allergic inflammation
07/1997-08/1999	Yutaka Nakamura	The effect of cytokine manipulation in allergic responses
08/1997-07/1998	Hiroko Kondo	Pathophysiology of chronic sinusitis
10/1996-06/1998	Bouchaib Lamkhioued	Detection of eosinophil associated cytokines using PCR
09/1996-08/1997	Erin Wright	Involvement of MCPs in allergic sinusitis
07/1996-06/1997	Jamila Chakir	Role of inflammation & subepithelial fibrosis in pathogenesis of steroid resistant asthma
07/1995-10/1996	Tom Kotsimbos	Cytokine receptors in bronchial asthma
07/1995-07/1996	K. Al Ghamdi	The investigations of local IgE expression and regulation in allergic sinusitis
09/1994-03/1993	Sophie Laberge	Role of IL-16 in the pathogenesis of asthma



### **Graduate PhD students:**

<b>Period</b>	<b>Name</b>	<b>Thesis</b>
09/2008-05/2014	Laila Al-Alwan	Consequences of the interaction between IL17 cytokines and ASM cells in the pathogenes of remodeling in asthma
09/2007-09/2012	Jessica Nadigel	The effect of cigarette smoke exposure on the expression and regulation of Toll-like receptors in COPD
12/2005-10/2011	David Prefontaine	Regulation and function of Toll-like receptor 4 in allergic diseases
01/2002-01/2007	Stephane Lajoie-Kadoch	Expression of functional receptor for IL-17E on structural cells of the airways
09/2000-06/2006	Pierre Olivier Fiset	Expression and regulation of Toll-like receptor 4 in allergic disease
09/2001-09/2005	Philippe Joubert	Smooth muscle inflammation in asthma
09/1996-09/2002	Pota Christodouloupoulos	Cytokine regulation in allergic inflammation: Role of transcription factors
09/1997-03/2001	Esra Nutku	Role of IL-12 and IL-18 in regulation of eosinophil functions in allergic airway inflammation
09/1995-02/2000	Lisa Cameron	Local regulation of IgE

### **Graduate MSc students:**

09/2015-	Alexandre Haddad	Role of neutrophils in airway remodeling in severe asthma: neutrophils-airway structural cells interaction
09/2014-	Omer Qibi	Role of IgE airway remodeling
1/2011-12/2013	Ibrahim Almaghlouth	EMT ub asthma
09/2012-04/2013	Mohammed Alosaimi	IgE in airway remodeling
01/2008-12/2010	Wisam Al-Ramli	Expression of Th-17 related cytokines (IL-17A and F) in severe asthma
06/2007-08/2009	Osama Roshdy	Th17 cell and its associated cytokines in atopic dermatitis
01/2006-06/2008	Jehan Al Abri	Role of chemokines in airway remodeling and effects on smooth muscle proliferation and survival
07/2001-03/2005	Wagdi Almishri	Effects of prostaglandin D2 and the DP1 and DP2 receptors in eosinophil recruitment into the BN rat lungs
09/2002-08/2004	Holly Campbell	Chlorine induced lung injury
07/2002-10/2003	Lily Nguyen	Evidence linking allergic otitis media with effusion to the united airways concept
01/2001-03/2003	Mario Kontolemos	Chemokine receptors on airway epithelial cells and their potential role in regulating mucin production
09/2000-03/2002	Mohammed Al Kerithy	Mechanisms of steroid resistance
08/2000-06/2001	Steve Sobol	Th2 cytokines expression in atopic children with otitis media with effusion
09/1995-10/1998	Georgi Shablovski	The role of stem cell factor and c-kit receptor in allergic asthma
09/1996-08/1998	Omar Ghaffar	The role of chemokines in smooth muscle in asthma
03/1997-09/1997	Roberta Damia	Role of eosinophils precursors in the pathogenesis of asthma
09/1996-07/1997	Deborah Miotta	Role of monocyte chemotactic proteins in lung diseases
01/1994-05/1996	Tanveer Naseer	In vivo expression of interleukin-12 and interleukin-13 in the pathogenesis of asthma
09/1994-03/1996	Samer Al Assaad	The role of cytokines using quantitative PCR in late phase reactions in the lungs of BN rats

### **Research Associates:**

01/2013-2016 Venkatesan Narayanan

### **Past Research Associates:**

Alejandro Vazquez-Tello

Rame Taha

Johanne Laporte

### **Visiting Scientists/Scholars:**

05/2015-2016 Tomohiro Ichikawa

06/2009-07/2009 Abdulla Al-Amri

04/2004-03/2005 Andre Cartier

01/2012-01/2014 Tin-Yu Lin

**Technicians:**

07/2012 - 07/2015      Fazmina Zamsameer  
05/2003 -                Severine Audusseau  
07/1997- 01/2015      Patrice Vaillancourt

**Past Technicians:**

Elsa Schotman  
Cathy Fragoskatos  
Carmen Loiselle  
Van Nguyen  
Zivart Yasruel

**Research Assistants:**

03/2008-                Fazila Chouiali  
02/2005-                Andrea Mogas

**Past Research Assistants:**

Joanie Brassard  
Sawsan Al-Mot  
Omar Kify  
Wendy Somerville  
Abdelwahab Ahmed  
May Kafilmout  
Lisa Lemelin  
Natalia Karp

**LECTURES INVITED From August 1993 – present:****McGill University**

1. Medical Grand Rounds, Royal Victoria Hospital, August 1993  
"Cytokines in allergy and asthma" (2 hrs)
2. Interdisciplinary Respiratory Research Seminar, Meakins-Christie Laboratories, McGill University, November 1993 "Cytokines in steroid resistant asthma" (2 hrs)
3. Pathology Seminar, Department of Pathology, McGill University, December 1993  
"Immunopathology of asthma" (2 hrs)
4. Cardiovascular course, McGill University, January 1994  
"Molecular biology in cardiovascular research" (2 hrs)
5. Molecular Biology Techniques and Applications lecture no. 1, Meakins-Christie Labs, January 1994  
"Molecular basis of hybridization" (2 hrs)
6. Molecular Biology Techniques and Applications lecture no. 2, Meakins-Christie Labs, February 1994 "RNA detection" (2 hrs)
7. Molecular Biology Techniques and Applications lecture no. 3, Meakins-Christie Labs, March 1994  
"Protein detection" (2 hrs)
8. Advanced Applied Respiratory Physiology course, McGill University, March 1994  
"Cell communications in the bronchial wall" (2 hrs)
9. Biochemistry Methodology course, McGill University, April 1994  
"In situ hybridization" (2 hrs)
10. Molecular Biology Techniques and Applications lecture no. 4, Meakins-Christie Labs, April 1994  
"PCR and in situ hybridization" (2 hrs)

11. Host Defense Centre Seminar, Montreal General Hospital, May 1994  
"Cytokines in late phase reactions" (2 hrs)
12. Respiratory Rounds, Montreal General Hospital, June 1994  
"Cytokine, steroids, and asthma" (2 hrs)
13. Molecular Biology: Techniques and Applications, Meakins-Christie Labs, September 1994  
"Flow cytometry *in situ* hybridization" (2 hrs)
14. Molecular Biology: Techniques and Applications, Meakins-Christie Labs, October 1994  
"Anti-sense technology" (2 hrs)
15. Molecular Biology: Immunocytochemistry, Immunopathology course  
Meakins-Christie Laboratories, McGill University, December 1994 (2 hrs)
16. Advanced Techniques in Molecular Genetics, Montreal General Hospital, March 1995  
"Molecular basis of detection of a gene and a gene product" (2 hrs)
17. Advanced Techniques in Molecular Genetics, Montreal General Hospital, March 1995  
"In situ hybridization" (2hrs)
18. Advanced Techniques in Molecular Genetics, Montreal General Hospital, March 1995  
"Immunocytochemistry" (2 hrs)
19. Advanced Techniques in Molecular Genetics, Montreal General Hospital, March 1995  
"Anti-sense technology (oligonucleotides, modified oligonucleotides, Hammerhead and Hammerpin ribozymes)" (2 hrs)
20. Experimental Medicine, Montreal General Hospital, April 1995  
"Methods in biomedical research" (2 hrs)
21. Cytokines in Health and Disease, January 1996  
"Introduction to Cytokines" (3 hrs)
22. Cytokines in Health and Disease, January 1996  
"Methods for Detecting Cytokines" (3 hrs)
23. Cytokines in Health and Disease, January 1996  
"Cytokine Gene and Gene Products" (3 hrs)
24. Cytokines in Health and Disease, January 1996  
"Cytokines and Inflammation"(3 hrs)
25. Cytokines in Health and Disease, February 1996  
"Cytokines in Allergy and Asthma" (3 hrs)
26. Cytokines in Health and Disease, March 1996  
"Cytokines in Viral and Bacterial Infections" (3 hrs)
27. Research Seminar Series, Montreal Children's Hospital, September 9, 1996  
"Cytokines and Cytokine Receptors in Asthma" (1 hr)

28. Centre for the Study of Host Resistance, Montreal General Hospital, January 1997  
“Mechanisms of Eosinophil Accumulation and Activation in Allergic Diseases” (2 hrs)
29. Grand Medical Rounds, Jewish General Hospital, February 1997  
“What’s New in Allergy?” (2 hrs)
30. Advanced Topics in Respiration, Meakins-Christie Laboratories, March 1997  
“Eosinophils in Host Defense” (2 hrs)
31. Biomedical Methods, Division of Experimental Medicine, April 1997  
“In situ Hybridization and Immunocytochemistry” (2 hrs)
32. Pathology Residency Half-Day Teaching Program, April 1997  
“Molecular Pathology Techniques” (2½ hrs)
33. Department of Pathology Seminars, September 1997  
“Advances in Asthma Research”
34. Department of Pathology, Pathobiology of Arterial Wall, October 1997  
“Molecular Biological technique in identifying gene and gene products: its complications in atherosclerosis research”
35. Department of Pathology Undergraduate Seminars, November 1997  
“Clinical Implications of Molecular Pathology”
36. Department of Otolaryngology, Royal Victoria Hospital, March 1998  
“Molecular Biology of Chronic Sinusitis”
37. Cytokines in Health and Disease, January 1998  
“Introduction to Cytokines”
38. Cytokines in Health and Disease, January 1998  
“Methods for Detecting Cytokine Gene and Gene Products”
39. Cytokines in Health and Disease, February 1998  
“Cytokines and Inflammation”
40. Cytokines in Health and Disease, February 1998  
“Cytokines in Allergy and Asthma”
41. Cytokines in Health and Disease, March 1998  
“Cytokine Receptors”
42. Methods in Biomedical Research, Experimental Medicine, April 1999  
“In situ hybridization”
43. Methods in Biomedical Research, Experimental Medicine, March 2000
44. Clinical Research Group, November 2000  
“Expression of Th2 cytokine-associated transcription in atopic and non-atopic asthma”

45. Immunopathology, Department of Pathology, February 2001  
“Techniques in immunopathology”
46. Methods in Biomedical Research, Experimental Medicine, March 2000  
“In situ Hybridization and Immunocytochemistry”
47. Advanced Topics in Respiration, February 2002  
“Human Studies in Asthma”
48. Methods in Biomedical Research, Experimental Medicine, April 2002  
“In situ Hybridization and Immunocytochemistry”
49. Jewish General Hospital Rounds, MUHC, April 2002  
“Pathogenesis of Asthma”
50. Advanced Topics in Respiration, Meakins-Christie Laboratories, March 2007  
“Human studies in asthma”
51. Meakins-Christie Laboratories, April 2007  
“Small airway inflammation: Is it a general feature of asthma?”
52. Biomedical Methods in Medical Research, Meakins-Christie Laboratories, May 2007  
“In situ hybridization/immunocytochemistry”
53. Advanced Topics in Respiration, Meakins-Christie Laboratories, February 2008  
“Human studies in asthma”
54. Biomedical Methods in Medical Research, Meakins-Christie Laboratories, May 2008  
“In situ hybridization/immunocytochemistry”
55. Cytokines in Health and Disease, Dept. of Pathology, Meakins-Christie Laboratories, Jan. 2010  
“Introduction to detecting cytokines and chemokine gene expression”
56. Cytokines in Health and Disease, Dept. of Pathology, Meakins-Christie Laboratories, Jan. 2010  
“Cytokines in asthma and allergic disease: human studies”
57. Advanced Topics in Respiration, Meakins-Christie Laboratories, April 2010  
“Human studies in asthma”
58. Biomedical Methods in Medical Research, Meakins-Christie Laboratories, May 2010  
“In situ hybridization/immunocytochemistry”

**National Meetings/Invited Speaker**

1. Merck Frosst Canada Seminar, 1993  
"Is there a Th1/Th2 dicotomy in humans?"
2. Otolaryngology Meeting, Ottawa, Ontario, June 1994  
"IL-6 in allergic rhinitis"

3. Int'l Symposium on Molecular Biology of Allergens and the Atopics Immune Response  
"In situ detection of cytokines in allergic inflammation"  
Quebec City, QC, February 1995
4. Centre de Pneumologie de l'Hopital Laval, Ste-Foy, QC, June 1995  
"Modulation of cytokine expression by steroids in allergic diseases and asthma"
5. Regional Respiratory Rounds, McMaster University, Hamilton, ON, June 1995  
"Cytokines and their receptors in asthma"
6. 49th Annual Scientific Meeting, Canadian Society of Otolaryngology, June 1995  
"Eosinophil-associated cytokine receptors in chronic sinusitis"
7. Pulmonary Research Laboratory, The University of British Columbia, Vancouver, BC, August 1995
8. Research in Progress Seminars and the Asthma Centre Rounds, Toronto, ON, November 1996  
"Role of cytokine in the pathogenesis of allergic inflammation"; "Cytokines, asthma, and steroids"
9. Cytokines and Inflammation workshop, Montreal, February 1996  
"New Techniques in Cytokine Biology"
10. Cytokines and Inflammation workshop, Montreal, February 1996  
"Cytokine receptors in Asthma"
11. Inspiraplex: Airway Inflammation and Remodelling in Asthma Workshop, March 1996  
"Cytokines and Asthma"
12. Inspiraplex: Airway Inflammation and Remodelling in Asthma Workshop, March 1996  
"Lymphocytes"
13. Conference de Pharmacologie, Sherbrooke, Quebec, January 1997  
"Role of IL-5 and Eotaxin in Eosinophil Accumulation and Activation in Allergic Inflammation"
14. Inspiraplex: Airway Epithelial Cell Workshop, January 1997  
"Cytokines and Chemokines in Epithelial Cells"
15. Meakins-Christie 25th Anniversary Scientific Conference, Montreal, May 1997  
"Cytokines and Cytokine Receptors in Asthma"
16. Schering Canada Inc.: Nasonex Canadian Investigators' Meeting, Toronto, October 1997  
"Effects of Mometasone on Nasal Mucosa on Patients with Perennial Rhinitis"
17. Chemokines, Eosinophils & Astma, NCE Workshop, Merck Frosst Canada, February 1998  
"Eosinophils in Asthma"
18. Rhinosinusitis Workshop, Ste-Adele, Quebec, March 1998  
"Histopathology and Immunocytochemistry: Influence of Treatment"
19. Rhinosinusitis Workshop, Mont Ste-Anne, Quebec, April 1998  
"Mechanisms of Inflammation in Chronic Sinusitis"

20. Ateliers en allergie, Lac Carling, Pine Hill, Quebec, November 1998  
“Pathogens of allergy inflammation”
21. McGill University, Montreal, Quebec, November 1998  
“Clinical Implications of Molecular Biology”
22. Merck Frosst Canada Inc., Montreal, Quebec, November 1998  
“Remodelling-Related Airway Architectural Changes”
23. McGill University, Montreal General Hospital, Montreal, Quebec, February 1999  
“Cytokines in Allergic Inflammation”
24. Schering Canada,, St-Sauveur, Quebec, February 1999  
“Cytokines in Allergy of the Skin”
25. Rhinosinusitis Workshop, Mont Ste-Anne, Quebec, April 1999  
“New Advances in the Pathogenesis of Chronic Sinusitis”
26. Quebec Thoracic Society Meeting, October 1999, Montreal, Quebec  
P.T. Macklem Conference
27. McGill University, Department of Pathology, Montreal, Quebec November 1999  
“Clinical Implications of Molecular Pathology”
28. Reseau Meeting, Quebec City, Quebec, March 2000  
“Cytokines and transcription factors in asthma”
29. University of Western Ontario, London, ON, October 2000  
“The Role of the Small Airways in Asthma and other Respiratory Diseases: How important are they?”
30. Allergy and Otolaryngology, Niagara-on-the-Lake, November 2000  
“Molecular mechanism of sinonasal inflammation”
31. Schering Canada, Mont-Tremblant, Quebec, January 2001  
“Cytokines, chemokines, transcription factors in asthma”
32. Challenging Airway Problems, Banff, Alberta, February 2001  
“Pathophysiology of rhinitis and chronic sinusitis”
33. 3M Canada, Montreal, Quebec, February 2001
34. QVAR, Montreal, Quebec, March 2001  
“Why should we treat small airways in asthma?”
35. McMaster University, Hamilton, Ontario, April 2001
36. Eosinophil 2001 International Symposium, Banff, Alberta, May 2001  
“Role of IL-9 in regulating eosinophil function”
37. 3M - The Role of Small Airways in Asthma: New Concepts in Pathophysiology and Treatment”, Magog, Quebec, June 2001  
“Pathology of Small Airways in Asthma”

38. University of Toronto, Joint Asthma/Respiratory Seminar, Toronto, Ontario, November 2001  
“Recent Advances in the Pathogenesis of Asthma”
39. Hopital Hotel Dieu, University of Montreal, Montreal, Quebec, February 2002  
“Recent Advances in the Pathogenesis of Asthma”
40. 3M Symposium on “Nouveautés dans le traitement de l’asthme et des MPOC”  
Chateau Bromont, Magog, Quebec, April 2002  
“Small Airways in Asthma - Does it matter?”
41. Merck Frosst Medical Advisory Meeting, Montreal, May 2002  
“United Airway”
42. Upper Airway Meeting, Toronto, ON, November 2002  
“The inflammatory cascade”
43. Canadian Society of Allergy and Clinical Immunology, Quebec City, November 2002  
“Poster discussion symposium”
44. 2004 Wiselberg Seminar, Four Points Sheraton, Montreal, June 2004  
“Pathogenesis of COPD”
45. Veterinary Comparative Respiratory Society Meeting, Old Montreal, Quebec, October 2004  
“Lung injury and repair”
46. Pediatric Allergy-Immunology Retreat. McGill University Health Center, Montreal, October 2004  
“Mechanisms of immunotherapy”
47. Institute of Circulatory and Respiratory Health (IRCH) Town Hall, Toronto, Canada, Feb. 2007  
“Can we stop the epidemic of asthma?”
48. Workshop on Airway Remodeling in Asthma: A Canadian Research Network, Winnipeg, MB, March 2007  
“Pathogenesis of airway remodeling”
49. Innate Immunity: Basic Mechanisms and Role in Lung Disease Workshop, Meakins-Christie  
Laboratories, McGill University, Montreal, April 2007  
“TLR 4 receptors in allergic and non-allergic inflammation”
50. Remodeling Workshop, Town Hall, Toronto (September 2007)
51. Sacre-Coeur Hospital, Montreal, Quebec, November 2007 – Graceway Pharmaceuticals  
“What’s new in the pathology of asthma?”
52. Jewish General Hospital, Montreal, Quebec, November 2007 – Graceway Pharmaceuticals  
“What’s new in the pathogenesis of asthma?”
53. Sherbrooke University, Sherbrooke, Quebec, November 2007 – Merck Frosst Canada  
“Severe asthma remodeling”
54. Canadian Respiratory Conference, Toronto, ON, April 2009



55. AllerGen Meeting, Montreal, Canada, May 2009  
"Lessons from mentoring new faculties"
56. Centre Hospitalier de l'Univesite de Montreal, Montreal, Canada, September 2009  
"Remodeling in asthma"
57. The state-of-the-art: Pulmonary medicine research in Canada, Winnipeg, Canada, November 2009  
"Inflammation and airway remodelling in severe asthma"
58. ISP-SHR 2010 Congress, Montreal, Canada, September 2010  
"Advances in the pathogenesis of asthma"
59. Canadian Respiratory Conference: "A Breath of Fresh Air", Quebec City, QC, April 2013  
"Pathophysiology of severe asthma"

**International Meetings/Invited Speaker**

1. INSERM, Cytokine Workshop, May 1994, Paris, France  
"Cytokine producing cells"
2. Pasteur Institute, Lille, France, May 1994  
"Cytokine and allergy"
3. American Academy of Allergy and Immunology, New York, February 1995  
"Skin allergic inflammation: role of cytokines"
4. Asthma Conference, Washington University in St. Louis, St. Louis, MO, April 1995  
"Cytokines and asthma"
5. Asthma Conference, Washington University in St. Louis, St. Louis, MO, April 1995  
"Immunopathology of late airway responses"
6. Schering-Plough Research Institute, Kenilworth, NJ, May 1995  
"Nasal allergy"
7. American Academy of Allergy Asthma & Immunology, March 1996  
"Cytokines and Cytokine Receptors in Allergic Inflammation"
8. International Symposium on Eosinophils in Allergic Inflammation and Parasitic and Infectious Diseases, Rio de Janeiro, Brazil, June 1996  
"IL-5 and IL5 Receptors in Asthma and Inflammation"
9. Interasma Society Meeting, Tokyo, Japan, October 23-November 5, 1996  
"Pathogenesis of Asthma"
10. American Academy of Allergy Asthma & Immunology, San Francisco, USA, February 1997  
"T Lymphocytes"
11. Schering-Plough Allergy Symposium on New Approaches in Rhinitis Therapy, Stockholm, Swedan, April 1997  
"Long term Study with Mometasone Furoate Nasal Spray on the Nasal Mucosa"

12. Merck Frosst Annual Medical Advisory Council Meeting, Prague, Czech Republic, June 1997  
“Cytokines - Mediators Interactions”
13. Targeting Drugs to the Lung workshop, London, England, June 1997  
“Small Airway Inflammation in Asthma”
14. 3rd World Congress on Inflammation, Tokyo, Japan, November 16-20, 1997  
“Airway Inflammation”
15. Taiwan Respiratory and Critical Care Meeting, Taipei, Taiwan, December 13-15, 1997  
“Steroid, Asthma and Cytokines”
16. Taiwan Respiratory and Critical Care Meeting, Taipei, Taiwan, December 13-15, 1997  
“Cytokines and Chemokines in the Pathogenesis of Asthma”
17. American Academy of Allergy, Asthma and Immunology, Washington, USA, March 13-18, 1998  
“Role of T-cells in Allergy”
18. American Academy of Allergy, Asthma & Immunology, Washington, USA, March 13-18, 1998  
“Pathogenesis of Severe Asthma”
19. American Thoracic Society, Chicago, IL, April 24-29, 1998  
“Inflammatory Mechanisms of Human Asthma”
20. Magainin Pharmaceuticals Inc., Plymouth Meeting, PA, August 24-25, 1998  
“Cytokine and Cytokine Receptors in Asthma”
21. European Respiratory Society - Sputum Meeting, Geneva, Switzerland, September 17-19, 1998  
“In Situ Hybridization and Cytokines in Induced Sputum of Asthmatics”
22. Osaka University, Osaka, Japan, October 5, 1998  
“Role of Cytokines in Asthma”
23. Kyoto University, Kyoto, Japan, October 7, 1998  
“Cytokine Receptors in Asthma”
24. American Thoracic Society Meeting, San Diego, CA, April 1999  
“Airway Remodelling in Asthma”
25. Asthma 99 - Theory to Treatment, Honolulu, Hawaii, April 1999  
“Collagen Deposition”
26. American Thoracic Society Meeting, San Diego, CA, April 1999  
“Cytokines: Functional Consequences”, Facilitator
27. Johns Hopkins University, Baltimore, MD, May 1999  
“Detection of Cytokines and Cytokine-Producing Cells in the Skin and Upper Airways during allergic Inflammatory Diseases”

28. Johns Hopkins University, Baltimore, MD, May 1999  
“Molecular Methods in Biomedical Research”
29. Johns Hopkins University, Baltimore, MD, May 1999  
“The Role of Cytokines, Chemokines and their Receptors in the Pathogenesis of Asthma”
30. National Heart and Lung Institute, London, UK, June 1999  
“Molecular Immunopathology Techniques in Asthma”
31. Nasal & Pulmonary Drug Delivery Conference VI, Rome, Italy, September 1999  
“Cytokines as a therapeutic target”
32. Airway Inflammation Asthma Meeting (ERS) Madrid, Spain, October 1999  
“Invited Guest”
33. 49th Annual MTG. of the Japanese Society of Allergology, Hiroshima, Japan, October 1999  
“Advances in the Pathophysiology of Bronchial Asthma”
34. United Arab of Emirates University, United Arab of Emirates, November 1999  
“The Role of Cytokines in Allergy and Asthma”
35. Autumn Immunology Conference, Chicago, IL, November 1999  
“Contribution of T Cell-Derived Cytokines in Human Asthma”
36. The Anti-Asthmatic Actions and Selectivity of Inhaled Steroids in Asthma, Palm Beach, FL, December 1999  
“Invited Guest”
37. Systemic Aspects of Allergic Inflammatory Disease, Orlando, FL, January 2000  
“Recruitment to the Lungs in Humans”
38. Allergic Rhinitis: New Millenium Management, St. Thomas, US Virgin Isles, January 2000  
“Cytokines and Chemokines in Allergic Inflammation, Rhinitis, Sinusitis”
39. IMASKO Meeting, Seville, Spain, January 2000  
“Antiinflammatory effect of antibiotics”
40. INTERASTHMA Meeting, Tokyo, Japan, February 2000  
“Airway Remodelling”
41. American Academy of Allergy, Asthma and Immunology mtg., San Diego, CA, March 2000  
“T-cells in allergic inflammation”
42. Endobronchial Biopsies in Clinical Research: Task Force Mtg, London, UK, June 18-20, 2000  
“In situ hybridization and new ways of visualization”
43. European Academy of Allergology and Clinical Immunology, Lisbon, Portugal, July 1-5, 2000  
“Tissue Engineering”
44. British Society for Allergy and Clinical Immunology, Nottingham, UK, August 2-4, 2000  
“Explant Models of Asthma”

45. 3M Canada, Kansas City, Kansas, September 2000  
“The Mechanism of Steroid Resistance: Action of Steroids in Asthma”
46. 3M Canada, Kansas University, Kansas City, Kansas, September 2000  
“The Role of Small Airways in Asthma and Inflammation”
47. QVAR Consultants’ Meeting, Indian Wells, CA, October 2000  
“Invited Guest”
48. Aventis Pharma, Bermuda, January 2001  
Invited Guest
49. The Small Airways in Asthma Roundtable, Forest Laboratories, Denver, Colorado, April 2001  
“Invited Guest”
50. Iraqi Center for Heart Disease, Baghdad. Iraq, April 2001  
“Cytokines, Inflammation and Remodeling of the airways and blood vessels”
51. Aventis Pharmaceuticals, Bridgewater, NJ, April 2001  
“Cytokines and transcription factors in asthma”
52. American Thoracic Society Meeting, San Francisco, CA, May 2001  
“Airway Smooth Muscle as a Pro-inflammatory cell”
53. Endobronchial Biopsies in Clinical Research: Understanding Pathogenesis and Effects of Treatment, Surrey, UK, June 2001  
“Invited Guest”
54. MIT - Cambridge, Cambridge, MA, June 2001  
“Recent Advances in the Pathogenesis of Asthma”
55. 19<sup>th</sup> Annual Aspen Allergy Conference, Aspen, Colorado, July 2001  
“Lessons from Airway Histopathology in Allergic and Non-Allergic Rhinosinusitis”
56. A.J. Kauvar Lectureship, National Jewish Medical and Research Center, August 2001  
“Structural Cells of the Airways as a Site and Target for Inflammatory Mediators”
57. Sultan Qaboos University, College of Medicine, Dean’s Lecture, January 2002  
“Pathogenesis and Treatment of Asthma”
58. Sultan Qaboos University, College of Medicine, January 2002  
“Immunology of T cells in Allergy”
59. University of Chicago, February 2002  
“Treatment options for persistent asthma”
60. University of Chicago, February 2002  
“Singulair talk Title C”

61. Children's Hospital Medical Center, Cincinnati, OH, February 2002 (Visiting Professor)  
"Treatment options for persistent asthma"
62. American Thoracic Society Meeting, Atlanta, Georgia, USA, May 2002  
"In situ hybridization"
63. American Thoracic Society Meeting, Atlanta, Georgia, USA, May 2002  
"Characteristics of inflammation in asthma"
64. Roger S. Mitchell Lecturer, 45<sup>th</sup> Annual Thomas L. Petty Aspen Lung Conference,  
Aspen, USA, June 2002  
"The Distal Lung in Asthma"
65. 5<sup>th</sup> Annual Asthma Remodeling Research Meeting, Tokyo, Japan, July 2002  
"Recent advances in the pathogenesis of asthma"
66. 5<sup>th</sup> Annual Asthma Remodeling Research Meeting, Tokyo, Japan, July 2002  
"Recent advances in the pathogenesis and treatment of obstructive airway disease"
67. 5<sup>th</sup> Annual Asthma Remodeling Research Meeting, Tokyo, Japan, July 2002  
"Airway remodeling in asthma"
68. 5<sup>th</sup> Annual Asthma Remodeling Research Meeting, Tokyo, Japan, July 2002  
"Cytokines in asthma and the role of anti-cytokine treatment"
69. 5<sup>th</sup> Annual Asthma Remodeling Research Meeting, Tokyo, Japan, July 2002  
"Pathogenesis of severe asthma"
70. Airway Remodeling Meeting, Keswick, Virginia, August 2002  
"Pathological changes of airway remodeling"
71. JACI Editorial Board Meeting, Denver, Colorado, USA, September 2002  
"Pathology"
72. EAACI Joint Session, Karlovy Vary, Prague, October 2002  
"Recent advances in the pathogenesis of allergic inflammation"
73. National Training Program in Allergy and Asthma, Winnipeg, Manitoba, December 2002 (Visiting  
Professor)  
"Eosinophils in allergic diseases"
74. National Training Program in Allergy and Asthma, Winnipeg, Manitoba, December 2002 (Visiting  
Professor)  
"The development of asthma", Public Lecture"
75. Sultan Qaboos University, Oman, December 2002  
"Invited External Examiner"
76. Advanced Medicine Symposium, Oman, January 2003  
" Physiopathology of asthma"

77. Advanced Medicine Symposium, Oman, January 2003  
“New treatment options in asthma”
78. C.L. David comparative pathology seminar, Aventis Pharmaceuticals, Bridgewater, NJ, May 2003  
“Pathophysiology of asthma”
79. Eosinophil Rising Meeting, Snowmass, Aspen, Colorado, June 2003  
“Profibrotid cytokines, eosinophils and asthma”
80. World Allergy Organization Congress, Vancouver, BC, Canada, September 2003  
“IL-9 and allergic inflammation”
81. World Allergy Organization Congress, Vancouver, BC, Canada, September 2003  
“Pathophysiology of allergic rhinitis and asthma: Similarities and differences”
82. World Allergy Organization Congress, Vancouver, BC, Canada, September 2003  
“Pathophysiological links between allergic rhinitis and asthma”
83. World Allergy Organization Congress, Breakfast Seminar, Vancouver, BC, Canada, September 2003  
“Bronchitis and asthma”
84. European Respiratory Society Meeting, Vienna, Austria, September 2003
85. Saudi Thoracic Society Meeting, Saudi Arabia, February 2004
86. American Academy of Allergy, Asthma and Immunology, San Francisco, CA, March 2004
87. University of Vermont, Burlington, Vermont, USA, March 2004 (Visiting Professor)  
“Mechanisms and pathology of asthma”
88. 5<sup>th</sup> Annual Symposium on Specific Allergy, London, UK, April 2004  
“Is the development of allergic inflammation reversible: con”
89. American Thoracic Society Meeting, Orlando, Florida, USA, May 2004  
“Sampling the airways in patients with asthma and COPD”
90. Frontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, May 2004  
“Mechanisms of immunotherapy”
91. Frontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, May 2004  
“Mechanisms of CpG oligonucleotide: are the effects mediated through TLR-9 receptors?”
92. Sultan Qaboos University, Oman, Saudi Arabia, June 2004  
Invited External Examiner
93. 19<sup>th</sup> Conference of the Society of Drug Inhalation Therapy, June 2004  
“Small airways inflammation in asthma: Pathology and therapeutical approaches by inhaled corticosteroids”

94. 12<sup>th</sup> International Congress of Immunology, Montreal, Quebec, July 2004  
“Airway inflammation in response to allergen”
95. 10<sup>th</sup> International Sinusitis Meeting, New York, NY, September 2004
96. ACAAI Annual Meeting, Boston, USA, November 2004  
“Local IgE synthesis in the production of respiratory tract disease”
97. American Academy of Allergy, Asthma, and Immunology, San Antonio, USA, March 2005  
“Clinical Immunology”
98. Benjamin Burrows Lung Immunology Seminar Series, Tucson, AZ, April 2005  
“Recent advances in asthma pathogenesis”
99. British Society for Allergy & Clinical Immunology (BSACI), Leicestershire, UK, July 2005  
“Immunopathology of small airways disease in asthma”
100. Allergic Rhinitis Forum, Tokyo, Japan, August 2005  
“Inflammatory cell”
101. Canadian Society of Allergy & Clinical Immunology (CSACI), Winnipeg, Canada, Sept. 2005  
“Local IgE production”
102. 55<sup>th</sup> Japanese Allergology Meeting, Morioka, Japan, October 2005  
“Airway inflammation in asthma”
103. 55<sup>th</sup> Japanese Allergology Meeting, Morioka, Japan, October 2005  
“Management of small airway in asthma” (chair)
104. International Cytokine Society Conference, Seoul, Korea, October 2005  
“Profibrotic cytokines in asthma”
105. 5-Lipoxygenase Advisory Board Meeting, February 2005  
“Airway remodelling”
106. Internal Medicine Update, Saudi Arabia, March 2006  
“Bronchial asthma update”
107. Internal Medicine Update, Saudi Arabia, March 2006  
“Research and epidemiology”
108. Internal Medicine Update, Saudi Arabia, March 2006  
“How to write a scientific paper”
109. Internal Medicine Update, Saudi Arabia, March 2006  
“A new era in COPD management”
110. AMGEN, March 2006  
“Recent advances in the pathogenesis of asthma: Role of new cytokines”

111. 6<sup>th</sup> Kamakura Conference, April 2006  
“Immunomodulation of cytokine gene expression, potential tool for therapy in allergic rhinitis”
112. 6<sup>th</sup> Kamakura Conference, April 2006  
“Small airway inflammation in asthma: Therapeutic approaches by inhaled corticosteroids”
113. San Diego Society of Allergy, Asthma & Immunology, San Diego, CA, USA, November 2006  
“Updates in severe asthmatic airway inflammation”
114. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“Epidemiology of asthma: Possible causes of increased incidence”
115. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“Pathology of asthma including inflammation and remodeling”
116. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“Role of cytokines and chemokines in asthma”
117. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“Severe asthma: A new entity or a failure to respond to treatment”
118. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“Steroid-resistant asthma”
119. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“United Airways: What is the link between asthma and rhinitis?”
120. Intensive Course in Asthma, February 2007, Istanbul, Turkey  
“New therapies”
121. American Academy of Allergy Asthma and Immunology, February 2007, San Diego, CA  
“State-of-the-Art: Obstructive sleep apnea: Inflammatory effect”
122. Immunology Conference Meeting, March 2007, United Arab of Emirates  
“New therapies in asthma”
123. King Saudi University, Saudi Arabia, May 2007  
“Application of molecular biology in human diseases”
124. King Saudi University, Saudi Arabia, May 2007  
“Molecular biology and genetics of asthma and allergic diseases”
125. King Saudi University, Saudi Arabia, May 2007  
“How to write and publish a scientific paper in high-impact journals”
126. American Thoracic Society Meeting, San Francisco, CA, USA, May 2007  
“The pathology of small airway disease in asthma”
127. American Thoracic Society Meeting, San Francisco, CA, USA, May 2007  
“The pathology of small airway disease in asthma”



128. American Thoracic Society Meeting, Abbott Elderly Asthma Expert Meeting, San Francisco, CA, USA, May 2007  
“Small airways as a target for treatment of asthma in the elderly”
129. American Thoracic Society Meeting, San Francisco, CA, USA, May 2007  
“Innovation in asthma treatment: Treating the small airways”, Post-graduate seminar
130. University of Chicago, USA, June 2007 – Merck & Co. Inc  
“Emerging issues in basic asthma research”
131. Northwestern University, USA, June 2007 – Merck & Co. Inc  
“Emerging issues in basic asthma research”
132. Johns Hopkins Asthma and Allergy Centre, June 2007 – Merck & Co. Inc.  
“State of the Science: Basic asthma research”
133. University of Pennsylvania, June 2007 – Merck & Co. Inc  
“State of the Science: Basic asthma research”
134. Damascus University, Syria, July 2007  
“Recent advancements in the pathogenesis and therapeutics in asthma”
135. Tokyo Asia COPD Symposium, Tokyo, Japan, July 2007  
“Characterization of COPD inflammation by in-situ hybridization”
136. University of Leuven, Belgium, December 2007  
“What’s new in the pathogenesis of asthma?”
137. Merck Distinguished Speakers Series, Firestone Institute for Respiratory Health, January 2008
138. American Thoracic Society, Toronto, ON, Canada, May 2008  
“Surrogate markers for animal and human remodeling status: Useful for COPD phenotyping”
139. American Thoracic Society, Toronto, ON, Canada, May 2008  
“Can therapeutic targeting of cytokines control AHR?”
140. American Thoracic Society, Toronto, ON, Canada, May 2008  
“IL-17 in disease: Lessons from atopic lung disease”
141. The 20<sup>th</sup> Spring Meeting of Japanese Society of Allergology, Tokyo, Japan, June 2008  
“Cytokines and chemokines in inflammatory airway disease”
142. Thomas L. Petty Aspen Lung Conference, Aspen, CO, USA, June 2008  
“State-of-the-art: Airway remodeling, Is it real?”
143. University of Louisville, Louisville, KY, USA, July 2008  
Current insights regarding asthma disease progression”
144. University of Louisville, Louisville, KY, USA, July 2008  
“Airway remodeling and asthma disease progression: Implications for treatment”

145. Third Annual Nemaocolin Asthma Conference, Farmington, PA, USA, September 2008  
"Advances in asthma pathology"
146. University of Vermont, S. Burlington, VT, USA, September 2008 – Merck & Co. Inc.  
"Airway remodeling and asthma disease progression: Implication for treatment"
147. Vermont Lung Center, Univ. of Vermont, Burlington, VT, USA, Sept. 2008 - Merck & Co. Inc  
"State of Science: Emerging issues in basic asthma research"
148. Boston University, Boston, MA, USA, September 2008 - Merck & Co. Inc  
"Current insights regarding asthma disease progression"
149. Merck Research Laboratories, Rahway, NJ, USA, November 2008  
"Clinical and pathophysiological characterization of steroid resistant asthma"
150. 58<sup>th</sup> Annual meeting of the Japanese Society of Allergology, Tokyo, Japan, November 2008  
"Which cells play a prominent role in allergy?"
151. British Society of Allergy and Clinical Immunology, London, UK, December 2008  
"Molecular pathology of allergy and asthma"
152. First International Conference in Biotechnology, Riyadh, Saudi Arabia, February 2009  
"Whart is new in the treatment of asthma, new drugs and new technology"
153. 7<sup>th</sup> Annual Scientific Conference of the Saudi Thoracic Society and the 8<sup>th</sup> Annual Asthma Meeting, Riyadh, Saudi Arabia, March 2009  
"Underdstanding asthma"
154. 7<sup>th</sup> Annual Scientific Conference of the Saudi Thoracic Society and the 8<sup>th</sup> Annual Asthma Meeting, Riyadh, Saudi Arabia, March 2009  
"Role of cytokines in bronchial athsma"
155. 7<sup>th</sup> Annual Scientific Conference of the Saudi Thoracic Society and the 8<sup>th</sup> Annual Asthma Meeting, Riyadh, Saudi Arabia, March 2009  
"Understanding athma"
156. 7<sup>th</sup> Annual Scientific Conference of the Saudi Thoracic Society and the 8<sup>th</sup> Annual Asthma Meeting, Riyadh, Saudi Arabia, March 2009  
"Difficult- to-control asthma"
157. 7<sup>th</sup> Annual Scientific Conference of the Saudi Thoracic Society and the 8<sup>th</sup> Annual Asthma Meeting, Riyadh, Saudi Arabia, March 2009  
"Inflammatory cells and cytokines in asthma"
158. National Jewish Health Centre, Denver, USA, April 2009  
"Histopathologic inflammatory alterations in asthma: location difference"
159. Genentech, Chicago, USA, April 2009  
"How can we obtain a bronchial sample?"

160. Illinois Society of Allergy, Asthma & Immunology, Chicago, USA, May 2009  
“Advances in the pathogenesis of severe asthma”
161. Child Health Conference, Sultan Qaboos University, UAE, October 2009  
“Asthma in children, novel insights into genetics, early diagnosis and treatment”
162. Allergy, Asthma, & Clinical Immunology Symposium, Riyadh, Saudi Arabia, November 2009  
“Severe asthma/recent advances”
163. Allergy, Asthma, & Clinical Immunology Symposium, Riyadh, Saudi Arabia, November 2009  
“New therapies in asthma and allergy”
164. Austrian Society for Allergology and Immunology, Clinical Immunology, November 2009  
"Recent advances in the pathogenesis of asthma"
165. Gulf Thoracic Congress, Abu Dhabi, UAE, March 2010  
“Severe asthma: Is it a different phenotype?”
166. American Thoracic Society, New Orleans, LA, USA, May 2010  
“Pathobiology of severe asthma: Common themes and phenotypic differences”
167. EAACI meeting, London, UK, June 2010  
"Airway smooth muscle and asthma"
168. European Respiratory Society (ERS), Barcelona, Spain, September 2010  
“Interleukin-17 cytokines and Th17 cells in human lung disease”
169. University of Giessen Lung Center, Giessen, Germany, October 2010  
“Histopathology of asthma”
170. Merck Lebanon Lecture, Beirut, Lebanon, October 2010  
“Advances in the management of asthma and AR”
171. American Academy of Allergy Asthma and Immunology, San Francisco, USA, March 2011  
“Th17 cells in allergy and autoimmunity”
172. American Academy of Allergy Asthma and Immunology, San Francisco, USA, March 2011  
“Inflammation is a cornerstone of asthma”
173. 3<sup>rd</sup> Saudi Allergy, Asthma and Clinical Immunol. Symposium, Riyadh, Saudi Arabia, April 2011  
“Asthma phenotypes and personalized therapy”
174. 3<sup>rd</sup> Saudi Allergy, Asthma and Clinical Immunol. Symposium, Riyadh, Saudi Arabia, April 2011  
“Outcome measures in asthma management”
175. EAACI meeting, Istanbul, Turkey, June 2011  
“Bronchial epithelial cells in severe asthma: actors or victims?”
176. 25<sup>th</sup> International Medical Convention –NAAMA, Amman, Jordan, June 2011  
“Recent advances in pathogenesis and treatment of asthma”

177. European Respiratory Society (ERS), Amsterdam, Netherlands, September 2011  
"Small airways: important in COPD and severe asthma"
178. CIHR-IRCH/CTS Distinguished Lecturer, Honolulu, Hawaii, October 2011  
"Severe asthma: What is new"
179. Allegro Society Symposium, Amman, Jordan, October 2011  
"Recent advances in the pathogenesis and treatment of asthma"
180. Lebanese Allergy Society, Beirut, Lebanon, November 2011  
"Recent advances in the pathogenesis and treatment of asthma"
181. World Allergy Congress (WAO), Cancun, Mexico, December 2011  
"Pathophysiology of small airways disease"
182. World Allergy Congress (WAO), Cancun, Mexico, December 2011  
"Pathophysiology"
183. EAACI meeting, Geneva, Switzerland, June 2012  
"Structural cells and IL-17 in asthma"
184. Kyoto University, Kyoto, Japan, April 2013  
"Role of IL-17 in asthma and COPD"
185. European Respiratory Society (ERS), Munich Germany, September 2014  
"Pathophysiology of severe asthma phenotypes"
186. 10th Annual Meeting of the Lebanese Society of Allergy & Immunology, October 2014  
"Approaches for severe asthma management: The new guidelines"
187. Aspen Lung Conference, Aspen, CO, June 2015  
State-of-the-Art: "Severe Asthma: Have we made progress?"

## PUBLICATIONS (1985-present)

Citation indices	All	Since 2012
Citations	53879	18117
h-index	114	59
i10-index	408	267

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