



Allergy, Genes and Environment Network
Le réseau des allergies, des gènes et de l'environnement

INNOVATION from cell to society⁶

Sixth Annual Research Conference
February 6 - 8, 2011

Westin Bayshore, Vancouver, British Columbia



2011 Annual Conference Planning Committee

Dr. Kelly McNagny, Chair, AllerGen Annual Conference Planning Committee, AllerGen Investigator and Professor, Department of Medical Genetics, Hematopoietic Cell Development, University of British Columbia

Dr. Allan Becker, AllerGen Investigator and Professor and Head, Department of Pediatrics and Child Health, University of Manitoba

Dr. Dean Befus, AllerGen Investigator, Co-Leader Programme B: Diagnostics and Therapeutics and AstraZeneca Canada Inc., Chair in Asthma Research; Professor, Division of Pulmonary Medicine, Department of Medicine, Faculty of Medicine and Dentistry, University of Alberta

Jacqui Brinkman, AllerGen Programme A: Gene-Environment Interactions Coordinator and Education Coordinator and Privacy Facilitator, UBC James Hogg Research Centre, Providence Heart + Lung Institute, St. Paul's Hospital

Dr. Christopher Carlsen, AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, School of Environmental Health, Faculty of Medicine, University of British Columbia

Dr. Judah Denburg, Scientific Director and CEO, AllerGen NCE Inc.

Dr. Susan Elliott, AllerGen Investigator, Co-Leader AllerGen Programme C: Public Health, Ethics, Policy and Society and Professor and Dean, Faculty of Applied Health Sciences, University of Waterloo

Dr. Mark Fitzgerald, Professor of Medicine, Head, University of British Columbia and Vancouver General Hospital, Divisions of Respiratory Medicine, Director, Centre for Lung Health, The Lung Centre

Dr. Darryl Knight, Chair, AllerGen HQP Conference Planning Sub-Committee, AllerGen Investigator and Canada Research Chair in Airway Disease; Michael Smith Senior Scholar; Professor, Department of Pharmacology and Therapeutics, University of British Columbia; Associate Director, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research

Dr. Oxana Latycheva, Member, AllerGen Advanced Education and Training Opportunities Advisory Committee (AETOAC) and Vice President Programming, The Asthma Society of Canada

Dr. Anthony Levinson, Member, AllerGen Policy, Ethics, Law and Society (PELS) Advisory Committee and Director of e-Learning Innovation, John Evans Chair in Educational Research, Associate Professor, Department of Psychiatry and Behavioral Neurosciences, McMaster University

Dr. Diane Loughheed, AllerGen Investigator and Professor, Department of Medicine (Respirology), Physiology and Community Health and Epidemiology, Queen's University

Dr. Chris Mody, Chair, AllerGen Advanced Training & Education Opportunities Advisory Committee (ATEOAC) and Professor of Internal Medicine and Microbiology and Infectious Diseases and Director, Division of Pulmonary Medicine, University of Calgary and Chief, Division of Respirology, University of Calgary and Calgary Health Region

Dr. Peter Paré, AllerGen Investigator and Professor, Department of Medicine and Pathology, University of British Columbia

Beatrice Povo, Director, Programs and Services, Anaphylaxis Canada

Jennifer Protudjer, President, AllerGen Students and New Professionals Network (ASNPN) Committee; Member, Board of Directors, Member, AllerGen Advanced Training & Education Opportunities Advisory Committee (ATEOAC), and PhD Candidate, Manitoba Institute of Child Health, University of Manitoba

Dr. Claude Roy, Past Chair, Annual Conference Planning Committee; Board of Directors Vice-Chair; Gastroenterologist and Professor Emeritus, Department of Pediatrics, Hôpital Ste-Justine

Dr. Diana Royce, Managing Director and COO, AllerGen NCE Inc.

Dr. Andy Sandford, AllerGen Investigator, Co-Leader Programme A: Gene-Environment Interactions and Associate Professor, Department of Medicine, University of British Columbia, The James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research

Dr. Donald Stark, Program Director, Adult Clinical Immunology & Allergy, Department of Medicine, University of British Columbia

Bill Swan, Member, AllerGen Policy, Ethics, Law and Society (PELS) Advisory Committee and Deputy CEO, International Health Economics Association

Committee Support

Maggie Civak
Research Coordinator

Liz Dzaman
Executive Assistant and Corporate Secretary

Mark Mitchell
Manager, Research and Partnerships

Anne Painter
Finance Officer

Debra Ramdath
Coordinator, Communications and Knowledge Mobilization

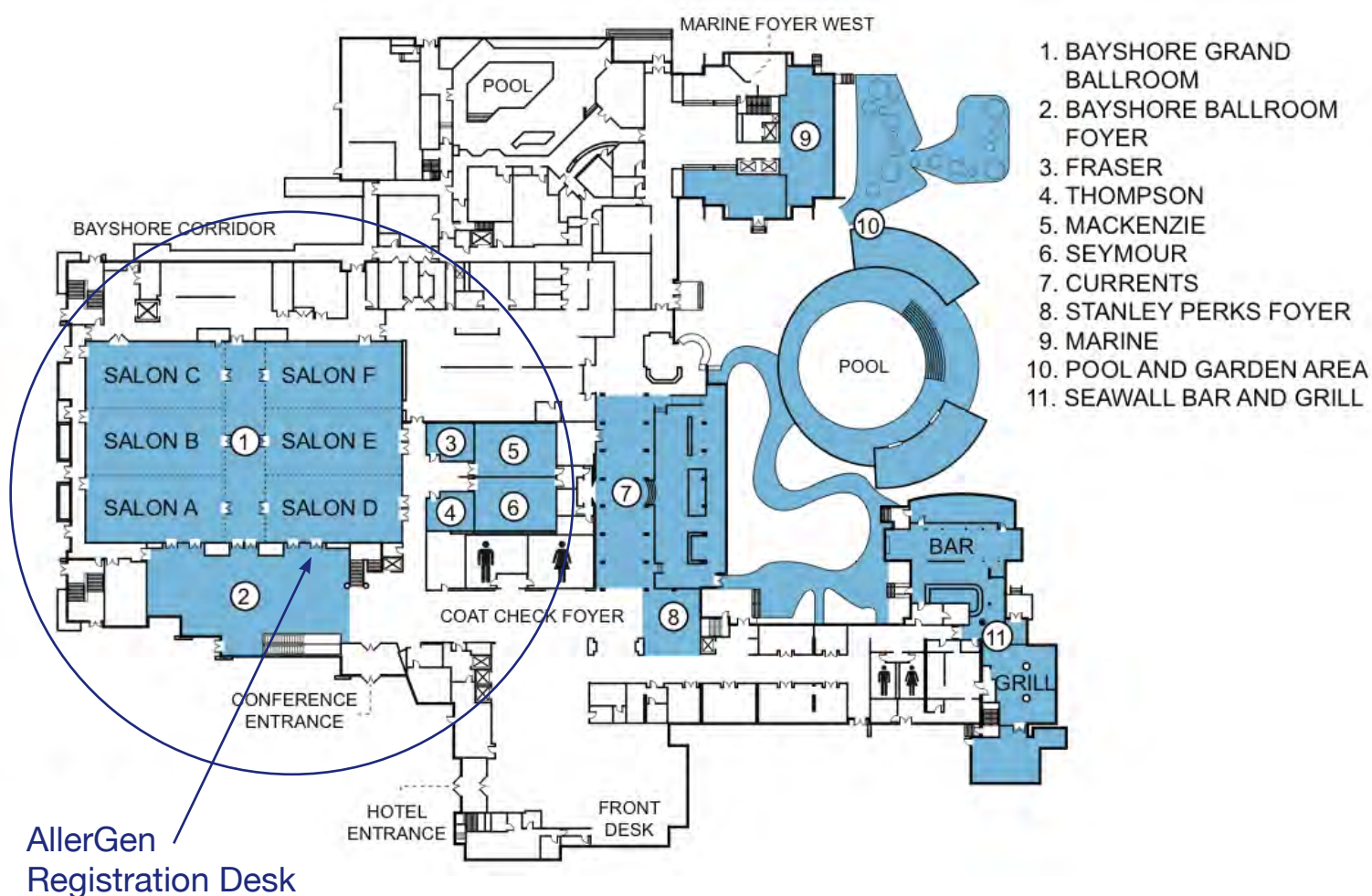
Marta Rudyk
Manager, Communications and Knowledge Mobilization

Kim Westmoreland
Administrative Assistant

Contents

Westin Bayshore Floor Plan	1
Conference Information	2
Networks of Centres of Excellence (NCE) Program	2
Welcome from the Board Chair and Scientific Director	3
Keynote Speakers	4
Conference Programme	5
O Canada	5
Featured Speakers	11
About AllerGen	19
Sponsors	20
Supporters	21

Westin Bayshore Floor Plan



Conference Information

The registration desk is located in the Bayshore Grand Foyer on the main floor of the Westin Bayshore Hotel.

The registration desk will be staffed at the following times:

Saturday, February 5 5:00 pm to 8:00 pm

Sunday, February 6 6:30 am to 5:30 pm

Monday, February 7 7:00 am to 7:00 pm

Tuesday, February 8 7:00 am to Noon

Admission to conference sessions and events is by Conference Badge Only.

Registrations are non-transferable and badge sharing is not permitted.

Full registration includes:

- All sessions including keynote and other research presentations
- Conference materials
- All meals including Monday night Gala Reception and Awards Ceremony

Programme des Réseaux de centres d'excellence (RCE)

Le programme :

Le Programme des Réseaux de centres d'excellence (RCE) est un programme conjoint du Conseil de recherches en sciences naturelles et en génie du Canada, du Conseil de recherches en sciences humaines du Canada, des Instituts de recherche en santé du Canada et d'Industrie Canada. Le Programme des RCE a été lancé en 1989 dans le but de gérer les premier réseaux. À l'heure actuelle, le Secrétariat des RCE exécute les quatre programmes nationaux suivants :

- les Réseaux de centres d'excellence (RCE);
- les Centres d'excellence en commercialisation et en recherche (CECR);
- les Réseaux de centres d'excellence dirigés par les entreprises (RCE-E);
- les stages en R et D industrielle (SRDI).

Notre mission :

Nous mobilisons le talent en recherche et en commercialisation afin d'édifier un Canada plus sain, plus avancé, plus concurrentiel et plus prospère.

Notre façon de faire :

Les quatre programmes des RCE réunissent des partenaires du milieu universitaire, des secteurs privé et public et du secteur sans but lucratif afin de mener de la recherche de pointe et des activités de transfert de connaissances dans des domaines d'importance stratégique en croissance et fertiles de possibilités au Canada.

Networks of Centres of Excellence (NCE) Program

Who we are:

We are a joint program of the Natural Sciences and Engineering Research Council of Canada, the Social Sciences and Humanities Research Council of Canada, the Canadian Institutes of Health Research and Industry Canada. Launched in 1989 to manage the original Network of Centres of Excellence (NCE), today the NCE Secretariat runs four national initiatives:

- Networks of Centres of Excellence (NCE)
- Centres of Excellence for Commercialization and Research (CECRs)
- Business-Led Networks of Centres of Excellence (BL-NCEs)
- Industrial Research and Development Internship program (IRDI)

Our mission:

We mobilize research and commercialization to build a healthier, more advanced, more competitive and more prosperous Canada.

How we do it:

The four NCE programs bring together partners from the academic, industry, public and non-profit sectors to conduct leading edge research and knowledge transfer activities in areas of strategic growth and opportunity for Canada.



AllerGen is supported by the Government of Canada through the Networks of Centres of Excellence program.
AllerGen est appuyé par le gouvernement du Canada dans le cadre du programme des Réseaux de centres d'excellence.

AllerGen NCE Inc.

MDCL Room 3120, McMaster University, 1200 Main Street West, Hamilton, ON L8N 3Z5

Tel. (905) 525-9140 ext 26502 Fax. (905) 524-0611 www.allergen-nce.ca



Welcome from the Board Chair and Scientific Director

On behalf of the AllerGen Board of Directors, Research Leaders, Administrative Centre and our generous conference sponsors and supporters, we welcome you to AllerGen's Sixth Annual Research Conference, *Innovation from cell to society*, at the beautiful waterfront Westin Bayshore Hotel, Vancouver, British Columbia.

Over the last six years, AllerGen has fostered the development of a national network of allergy, asthma, anaphylaxis and related immune diseases experts and partner and stakeholder organizations from across Canada and around the world. This leading conference has become a major platform for knowledge transfer and networking for researchers, research trainees and new professionals, international experts and industry, government, health care and academic organizations across disciplines and sectors. AllerGen is well positioned to submit its application later this year for a second and final seven years of NCE funding, which will extend the life of the Network to 2019.

AllerGen's strategic goal is to support research, networking, commercialization, knowledge mobilization and capacity building activities that contribute to reducing the morbidity, mortality and socio-economic impacts of allergic diseases. With that in mind, this conference presents results of AllerGen's nationally networked research across the full range of Network investments.

The highlight of this year's conference is our focus on the record number of Network Trainees and new professionals presenting their research over the next three days. A record number of 68 scientific posters are on display this year, many of which are competing in AllerGen's adjudicated *Annual Student Poster Competition*. Our future research and clinical leaders will share recent research results made possible

with AllerGen's support. We encourage all delegates to take the time to attend the new "lightning" poster session presentations, view the displayed posters in the Grand Foyer and join us for a special 90-minute Wine and Cheese networking event on Sunday, commencing at 4:00 p.m.

This year's conference continues to offer presentations by internationally recognized keynote speakers including Dr. Wesley Burks, Kiser-Arena Professor of Pediatrics and Chief of the Division of Pediatric Allergy and Immunology at Duke University Medical Center, Durham, North Carolina; Dr. Geoffrey Maksym, Director and Associate Professor, School of Biomedical Engineering and Physics and Atmospheric Science, Dalhousie University, Halifax, Nova Scotia; and Dr. Marc Rothenberg, Director, Division of Allergy and Immunology, Cincinnati Children's Hospital Medical Center and Professor of Pediatrics Cincinnati Children's and the University of Cincinnati College of Medicine. In addition to these keynote speakers, numerous AllerGen investigators will present their research projects during panel and roundtable discussions. Finally, two international guests, Dr. Paul Foster, Professor, School of Biomedical Sciences and Pharmacy, The University of Newcastle, Australia and Dr. Sven-Erik Dahlén, AllerGen Collaborator and Professor and Director, Centre for Allergy Research, Karolinska Institutet, Sweden, will share with us their perspectives on the added-value and future potential of AllerGen's continued international research and capacity building activities.

We hope you enjoy this year's conference lineup, poster competition, networking events and the beautiful city of Vancouver. We would also like to thank our many sponsors and supporters who have contributed to making this year's conference both successful and accessible.



A handwritten signature in dark ink, appearing to read "Graham Scott".

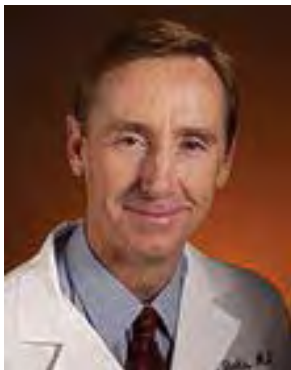
Mr. Graham W.S. Scott, C.M., Q.C
Chair, AllerGen Board of Directors
AllerGen NCE Inc.



A handwritten signature in dark ink, appearing to read "Judah Denburg".

Dr. Judah Denburg, MD, FRCP(C)
Scientific Director and CEO
AllerGen NCE Inc.

Keynote Speakers



Dr. Wesley Burks

Dr. Burks, MD, is the Kiser-Arena Professor of Pediatrics and Chief of the Division of Pediatric Allergy and Immunology at Duke University Medical Center. Dr. Burks' research interests are trying to better understand the mechanisms of adverse reactions to foods. Dr. Burks and his collaborators have identified the important components of peanuts that are part of the allergic response. Additionally, they are working on several different types

of immunotherapy for the treatment of food allergy, primarily peanut allergy. His laboratory funding comes from many sources, including the National Institutes of Health and private foundations. Dr. Burks has authored or coauthored more than 250 articles, numerous book chapters and abstracts. In addition, he serves on the editorial board for the *Journal of Allergy and Clinical Immunology* and the *International Archives of Allergy and Immunology*.



Dr. Geoff Maksym

Dr. Maksym, PhD, is Associate Professor, School of Biomedical Engineering and Physics and Atmospheric Science at Dalhousie University in Halifax, Nova Scotia. His research focuses on understanding the biomechanics of the respiratory system and developing bioengineering technologies to improve lung health.

He and his team use nanoscale transducers to measure mechanical forces produced by single isolated cells and design research devices to probe cellular function. Dr. Maksym is particularly interested

in discovering what is responsible for increased airway narrowing in asthma and the role and mechanical contributions of the cellular cytoskeleton. His research also examines whether or not increased inflammation and tone lead to improved cell contraction and how mechanical forces lead to altered contractile function.

In 2006, Dr. Maksym commercialized a new measurement tool for asthma with Canadian company SCIREQ Inc. He is committed to expanding Canadian capacity to seize commercial opportunities.



Dr. Marc Rothenberg

Marc E. Rothenberg, MD, PhD, is the Director of the Division of Allergy and Immunology at Cincinnati Children's Hospital Medical Center, and a tenured Professor of Pediatrics at Cincinnati Children's and the University of Cincinnati College of Medicine. Dr. Rothenberg is actively involved in managing a research program focused on understanding the molecular mechanisms of allergic disorders. At Cincinnati Children's, he has helped build a top program in pediatric research, and his division is a leader in pediatric allergy and immunology. In addition, he sees patients suffering from

allergic and immunological diseases from around the world as part of the Cincinnati Center for Eosinophilic Disorders.

Dr. Rothenberg's awards include the Pharmacia Allergy Research Foundation Award for the best young investigator in the allergy field; the Young Investigator Award and the Scholar in Allergy Award from the American Academy of Allergy, Asthma, and Immunology; the Ohio Governor's Recognition Award; and the 2007 E Mead Johnson Award from the Society of Pediatric Research.

Conference Programme

Sunday, February 6, 2011

8:00 - 9:30 AM	ALLERGEN TRAINEE POSTER "LIGHTNING" PRESENTATIONS	SALON A & B & C
	Moderators: Dr. Darryl Knight , Chair, AllerGen HQP Conference Planning Sub-Committee, AllerGen Investigator and Canada Research Chair in Airway Disease; Michael Smith Senior Scholar; Professor, Department of Pharmacology and Therapeutics, University of British Columbia; Associate Director, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research Jacqui Brinkman , AllerGen Programme A: Gene-Environment Interactions Coordinator and Education Coordinator and Privacy Facilitator, UBC James Hogg Research Centre, Providence Heart + Lung Institute, St. Paul's Hospital	
9:30 - 10:00 AM	COFFEE BREAK	BAYSHORE GRAND FOYER
10:00 - 10:45 AM	OPENING CEREMONIES	SALON A & B & C
	WELCOME AND INTRODUCTIONS Mr. Graham W.S. Scott , Chair, Board of Directors, AllerGen NCE Inc. and CEO, Graham Scott Strategies Inc. Dr. Judah Denburg , Scientific Director and CEO, AllerGen NCE Inc.; Professor of Medicine, Department of Medicine, McMaster University Dr. Kelly McNaghy , Chair, AllerGen Annual Conference Planning Committee, AllerGen Investigator and Professor, Department of Medical Genetics, Hematopoietic Cell Development, University of British Columbia Mr. Jean-Claude Gavrel , Associate Vice-President, Networks of Centres of Excellence Dr. Arvind Gupta , CEO & Scientific Director of MITACS and Professor, Computer Science, University of British Columbia Dr. John O'Neil , Professor and Dean, Faculty of Health Sciences, Simon Fraser University Dr. John Challis , President and CEO, Michael Smith Foundation for Health Research	
10:45 - 11:45 AM	OPENING KEYNOTE: DEVELOPING NEW TREATMENT OPTIONS FOR FOOD ALLERGY AND ANAPHYLAXIS	SALON A & B & C
	Dr. Wesley Burks , Kiser-Arena Professor of Pediatrics and Chief of the Division of Pediatric Allergy and Immunology, Duke University Medical Centre Moderator: Dr. Judah Denburg , Scientific Director and CEO, AllerGen NCE Inc.	

O Canada!

O Canada!
Terre de nos aïeux,
Ton front est ceint de fleurons glorieux!
Car ton bras sait porter l'épée,
Il sait porter la croix!

Ton histoire est une épopée
Des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
Protégera nos foyers et nos droits.

O Canada!

O Canada!
Our home and native land!
True patriot love in all thy sons command.
With glowing hearts we see thee rise,
The True North strong and free!

From far and wide,
O Canada, we stand on guard for thee.
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.

Sunday, February 6, 2011 *(continued)*

11:45 - 12:45 PM	PANEL DISCUSSION: DEVELOPING NEW TREATMENT OPTIONS FOR FOOD ALLERGY AND ANAPHYLAXIS	SALON A & B & C
	<p>Dr. Wesley Burks, Kiser-Arena Professor of Pediatrics and Chief of the Division of Pediatric Allergy and Immunology, Duke University Medical Centre</p> <p>Dr. Susan Elliott, AllerGen Investigator, Co-Leader AllerGen Programme C: Public Health, Ethics, Policy and Society and Professor and Dean, Faculty of Applied Health Sciences, University of Waterloo</p> <p>Dr. Jean Marshall, AllerGen Investigator and Professor and Head Microbiology and Immunology, Dalhousie University</p> <p>Dr. Susan Waserman, AllerGen Investigator, Professor Of Medicine, McMaster University, Division of Clinical Immunology and Allergy, Hamilton Health Sciences Corporation</p> <p>Moderator: Dr. Judah Denburg, Scientific Director and CEO, AllerGen NCE Inc.</p> <p><i>AllerGen gratefully acknowledges King Pharma sponsorship of this session</i></p>	
12:45 - 1:30 PM	BUFFET LUNCH	SALON D & E
1:30 - 2:30 PM	KEYNOTE PRESENTATION: CAPACITY BUILDING FOR COMMERCIALIZATION IN CANADA: BRIDGING THE INTERDISCIPLINARY GAPS	SALON A & B & C
	<p>Dr. Geoff Maksym, Director and Associate Professor, School of Biomedical Engineering and Physics and Atmospheric Science, Dalhousie University</p> <p>Moderator: Dr. Chris Mody, Chair, AllerGen Advanced Training & Education Opportunities Advisory Committee (ATEOAC) and Professor of Internal Medicine and Microbiology and Infectious Diseases and Director, Division of Pulmonary Medicine, University of Calgary and Chief, Division of Respiratory, University of Calgary and Calgary Health Region</p>	
2:30 - 3:45 PM	ALLERGEN TRAINEE POSTER "LIGHTNING" PRESENTATIONS	SALON A & B & C
	<p>Moderators:</p> <p>Dr. Darryl Knight, Chair, AllerGen HQP Conference Planning Sub-Committee, AllerGen Investigator and Canada Research Chair in Airway Disease; Michael Smith Senior Scholar; Professor, Department of Pharmacology and Therapeutics, University of British Columbia; Associate Director, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research</p> <p>Jacqui Brinkman, AllerGen Programme A: Gene-Environment Interactions Coordinator and Education Coordinator and Privacy Facilitator, UBC James Hogg Research Centre, Providence Heart + Lung Institute, St. Paul's Hospital</p>	
3:45 - 4:00 PM	BREAK	BAYSHORE GRAND FOYER
4:00 - 5:30 PM	POSTER VIEWING, JUDGING AND NETWORKING: WINE AND CHEESE	BAYSHORE GRAND FOYER
7:00 - 9:00 PM	ALLERGEN CONFERENCE RECEPTION: HOSTED BY THE ALLERGEN STUDENTS AND NEW PROFESSIONALS NETWORK (ASNPN) AT THE VANCOUVER AQUARIUM	VANCOUVER AQUARIUM
	Complimentary Appetizers and Drinks	

Monday, February 7, 2011

7:00 - 8:25 AM	BREAKFAST BUFFET	SALON D & E
8:25 - 8:30 AM	DAY TWO WELCOME	SALON A & B & C
	Dr. Kelly McNaghy , Chair, AllerGen Annual Conference Planning Committee, AllerGen Investigator and Professor, Department of Medical Genetics, Hematopoietic Cell Development, University of British Columbia; Member, AllerGen Board of Directors	
8:30 - 10:00 AM	AIR POLLUTION, GENETICS AND ASTHMA: FROM EPIDEMIOLOGY TO CONTROLLED EXPOSURES	SALON A & B & C
	PANEL PARTICIPANTS: Dr. Christopher Carlsen , AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, School of Environmental Health, Faculty of Medicine, University of British Columbia Dr. Annika Sääf , The Unit of Environmental Epidemiology, Institute of Environment Medicine, Karolinska Institutet Dr. Elaina MacIntyre , Epidemiologist, Institute of Epidemiology, Helmholtz Zentrum München Dr. Jeremy Scott , AllerGen Investigator and Assistant Professor, Pharmacology and Toxicology, Occupational and Environmental Health, Dalla Lana School of Public Health, University of Toronto Moderators: Dr. Michael Brauer , AllerGen Investigator and Professor, School of Environmental Health and Department of Medicine and School of Population and Public Health and Atmospheric Science Programme, University of British Columbia Dr. Christopher Carlsen , AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, School of Environmental Health, Faculty of Medicine, Director, The Bridge Program, University of British Columbia	
10:00 - 10:20 AM	BREAK	BAYSHORE GRAND FOYER
10:20 - 11:35 AM	ASTHMA/ALLERGY SUPPORT AND EDUCATION FOR ABORIGINAL COMMUNITIES	SALON A & B & C
	PANEL PARTICIPANTS: Dr. Miriam Stewart , AllerGen Investigator and Professor, Faculty of Nursing, School of Public Health, University of Alberta; Health Senior Scholar, Alberta Heritage Foundation for Medical Research Dr. Christine Hampson , Member, AllerGen Board of Directors and President and CEO, The Asthma Society of Canada Dr. Oxana Latycheva , Member, AllerGen Advanced Education and Training Opportunities Advisory Committee (AETOAC) and Vice President Programming, The Asthma Society of Canada Dr. Jeffrey Masuda , AllerGen Investigator and Assistant Professor, Department of Environment and Geography, University of Manitoba, CIHR New Investigator in Knowledge Translation (2010 - 2015) Roxanne Blood , Project Coordinator, Aboriginal Projects, University of Alberta Moderator: Dr. Susan Elliott , AllerGen Investigator, Co-Leader AllerGen Programme C: Public Health, Ethics, Policy and Society and Professor and Dean, Faculty of Applied Health Sciences, University of Waterloo	

Monday, February 7, 2011 (continued)

11:35 - 12:00 PM	ENVIROMENTAL EXPOSURE UNIT/ ALLERGIC RHINITIS CLINICAL INVESTIGATOR COLLABORATIVE	SALON A & B & C
	<p>Dr. Anne Ellis, AllerGen Investigator and Assistant Professor, Department of Medicine and the Department of Microbiology and Immunology, Queen's University</p> <p>Moderator: Dr. Paul O'Byrne, AllerGen Investigator, Co-Leader Programme B: Diagnostics and Therapeutics and Chair of Medicine, Professor, Division of Respiriology, Department of Medicine, McMaster University</p>	
12:00 - 1:45 PM	BUFFET LUNCH	SALON D & E
12:30 - 1:15 PM	LUNCH SYMPOSIUM: ALLERGEN INTERNATIONAL INITIATIVES UPDATE	SALON D & E
	<p>Innovative Capacity Building Opportunities through International Collaboration: The AllerGen NCE - Karolinska Institutet Success Story</p> <p>Dr. Sven-Erik Dahlén, AllerGen Collaborator and Professor and Director, Centre for Allergy Research, Karolinska Institutet</p> <p>The Australian Co-operative Research Centre for Asthma and Airways: Our Structure, Function and Research</p> <p>Dr. Paul Foster, Professor and Director, Priority Research Centre Asthma and Respiratory Diseases, School of Biomedical Sciences, Faculty of Health, University of Newcastle, Australia</p> <p>Moderator: Dr. Dean Befus, AllerGen Investigator, Co-Leader AllerGen Programme B: Diagnostics and Therapeutics and AstraZeneca Canada Inc., Chair in Asthma Research; Professor, Division of Pulmonary Medicine, Department of Medicine, Faculty of Medicine and Dentistry, University of Alberta</p>	
1:45 - 3:15 PM	TRAINEE POSTER AWARD COMPETITION: ORAL PRESENTATION FINALISTS	SALON A & B & C
	<p>Moderator: Dr. Darryl Knight, Chair, AllerGen HQP Conference Planning Sub-Committee, AllerGen Investigator and Canada Research Chair in Airway Disease; Michael Smith Senior Scholar; Professor, Department of Pharmacology and Therapeutics, University of British Columbia; Associate Director, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research</p>	
1:45 - 2:15 PM	GENE-ENVIRONMENT INTERACTIONS	
2:15 - 2:45 PM	DIAGNOSTICS & THERAPEUTICS	
2:45 - 3:15 PM	PUBLIC HEALTH, ETHICS & SOCIETY	
3:15 - 3:45 PM	BREAK	SALON BAYSHORE GRAND FOYER
3:45 - 5:00 PM	EXPOSED! NOVEL AND EXCITING TOOLS FOR ENVIRONMENTAL EXPOSURE ASSESSMENT	SALON A & B & C
	<p>Panel Participants:</p> <p>Dr. Jeff Brook, AllerGen Investigator, Co-Leader AllerGen Programme A: Gene-Environment Interactions and Assistant Professor, Occupational and Environmental Health, University of Toronto; Senior Scientist, Air Quality Research Branch, Environment Canada</p> <p>Dr. James Scott, AllerGen Investigator and Associate Professor, Occupational and Environmental Health, Dalla Lana School of Public Health, University of Toronto</p> <p>Dr. Ryan Allen, AllerGen Investigator and Assistant Professor, Faculty of Health Sciences, Simon Fraser University</p> <p>Dr. Tim Takaro, AllerGen Investigator and Physician-Scientist; Associate Professor; Associate Dean for Research, Faculty of Health Sciences, Simon Fraser University</p>	

Dr. Miriam Diamond, AllerGen Investigator and Professor, Geography and Planning, University of Toronto

Moderator: Dr. Stuart Turvey, AllerGen Investigator and Associate Professor, Division of Infectious and Immunological Diseases, Department of Pediatrics, University of British Columbia

5:00 - 5:30 PM	OPTIMIZING ASTHMA CONTROL IN CHILDREN: UNDERSTANDING THE IMPACT OF ECONOMIC BURDEN AND PARENT PREFERENCES	SALON A & B & C
----------------	--	--------------------------------

Dr. Wendy Ungar, AllerGen Investigator and Associate Professor, Health Policy, Management and Evaluation, University of Toronto; Senior Scientist, Child Health Evaluative Sciences, The Hospital for Sick Children

Moderator: Dr. Ross Chang, Allergist and Immunologist; President, British Columbia Allergy and Immunology Association

AllerGen gratefully acknowledges Novartis sponsorship of this session

5:30 - 6:15 PM	ALLERGEN STUDENTS AND NEW PROFESSIONALS NETWORK (ASNPN) MEETING (MEMBERS ONLY)	SALON F
----------------	---	----------------

7:00 - 7:30 PM	CONFERENCE RECEPTION	SALON D & E
----------------	-----------------------------	------------------------

7:30 - 11:00 PM	CONFERENCE GALA AND TRAINEE AWARDS BANQUET <i>Featuring Musical Entertainment by "Tzimmes"</i>	SALON D & E
-----------------	--	------------------------

Tuesday, February 8, 2011

7:00 - 8:50 AM	BREAKFAST BUFFET	SALON D & E
----------------	-------------------------	------------------------

8:15 - 8:45 AM	ALLERGIES COUNT TOO (ACT) THE ASTHMA SOCIETY OF CANADA NEW SUPPORT PROGRAM LAUNCH	BAYSHORE GRAND FOYER
----------------	--	-----------------------------

8:50 - 9:00 AM	DAY THREE WELCOME	SALON A & B & C
----------------	--------------------------	--------------------------------

Dr. Diana Royce, Managing Director and COO, AllerGen NCE Inc.

9:00 - 10:00 AM	CLOSING KEYNOTE: BENCH-TO-BEDSIDE-TO-COMMUNITY: EOSINOPHILIC DISORDERS OF THE GASTROINTESTINAL TRACT	SALON A & B & C
-----------------	---	--------------------------------

Dr. Marc Rothenberg, Director of the Division of Allergy and Immunology, Cincinnati Children's Hospital Medical Centre; Professor, Pediatrics, Cincinnati Children's and the University of Cincinnati College of Medicine

Moderator: Dr. Judah Denburg, Scientific Director and CEO, AllerGen NCE Inc.

10:00 - 10:30 AM	BREAK	BAYSHORE GRAND FOYER
------------------	--------------	-----------------------------

10:30 - 11:45 AM	WORK-RELATED ASTHMA: MEASURING AND REDUCING THE BURDEN	SALON A & B & C
------------------	---	--------------------------------

PANEL PARTICIPANTS:

Dr. Diane Loughheed, AllerGen Investigator and Professor, Department of Medicine (Respirology), Physiology and Community Health and Epidemiology, Queen's University

Dr. Catherine Lemiere, AllerGen Investigator and Professor, University of Montreal; Service de pneumologie, Hôpital du Sacré-Cœur de Montréal

Dr. Luc Bhérer, Medical Advisor for Quebec Ministry of Health and Social Services

Victoria Arrandale, Member AllerGen Students and New Professionals Network (ASNPN) and Doctoral Candidate, University of Toronto

Dr. Christopher Carlsten, AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, School of Environmental Health, Faculty of Medicine, University of British Columbia

Moderator: Dr. Allan Becker, AllerGen Investigator and Professor and Head, Department of Pediatrics and Child Health, University of Manitoba

AllerGen gratefully acknowledges GlaxoSmithKline sponsorship of this session

Tuesday, February 8, 2011 (*continued*)

11:45 - 1:00 PM	GENETIC TESTING: A PIPE DREAM? ETHICAL AND LEGAL ASPECTS	SALON A & B & C
Panel Participants:		
Dr. Peter Paré , AllerGen Investigator and Professor, Department of Medicine and Pathology, University of British Columbia		
Dr. Christopher Carlsten , AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, School of Environmental Health, Faculty of Medicine, University of British Columbia		
Prof. Tim Caulfield , AllerGen Investigator and Professor, Faculty of Law and School of Public Health; Research Director, Canada Research Chair in Health Law and Policy; Senior Health Scholar with the Alberta Heritage Foundation for Medical Research and Research Director, Health Law Institute, University of Alberta		
Dr. Denise Daley , AllerGen Investigator and Assistant Professor, Respiratory Division, Department of Medicine, University of British Columbia		
Moderator: Dr. Andy Sandford , AllerGen Investigator, Co-Leader Programme A: Gene-Environment Interactions and Associate Professor, Department of Medicine, University of British Columbia, The James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research		
1:00 - 1:30 PM	METABOLOMIC PROFILING OF ASTHMA: DIAGNOSTIC UTILITY OF URINE NMR	SALON A & B & C
Dr. Darryl Adamko , AllerGen Investigator and Associate Professor, Departments of Pediatrics and Medicine (Pulmonary Medicine), Faculty of Medicine and Dentistry, University of Alberta		
Moderator: Dr. Kelly McNagny , Chair, AllerGen Annual Conference Planning Committee, AllerGen Investigator and Professor, Department of Medical Genetics, Hematopoietic Cell Development, University of British Columbia		
1:30 - 1:40 PM	CLOSING REMARKS AND CONFERENCE ADJOURNMENT	SALON A & B & C
Dr. Kelly McNagny , Chair, AllerGen Annual Conference Planning Committee, AllerGen Investigator and Professor, Department of Medical Genetics, Hematopoietic Cell Development, University of British Columbia		
1:40 - 2:30 PM	LUNCH <i>Buffet Lunch (Brown Bag lunch for travelers)</i>	SALON D & E



Knowledge Translation Planning Tools for Allergic Disease Researchers

Downloadable Integrated KT planning tools are available in Word and Excel format for:

- Biomedical Researchers
- Clinical, Health Services and Population/Public Health Researchers
- End-of-Grant Knowledge Translation



Success Stories

The inaugural issue of *AllerGen Research Success Stories* is available for download. AllerGen supported cutting-edge research and development initiatives from across Canada are highlighted.

www.allergen-nce.ca

Featured Speakers

Sunday, February 6, 2011



Jacqui Brinkman, MSc, received her BSc (Biology) from the University of Victoria and her MSc at McGill. She worked as a lab technician/manager at the Centre for Environmental Health at UVic and the Montreal General Hospital Research Institute. In 2001, she joined the Cell and Molecular Biology group at Micrologix Biotech, Inc. and in 2003, she joined the UBC James Hogg Research Centre as Education Coordinator. In this role, she organizes general education programs at the centre and manages the CIHR IMPACT Strategic Training Program for post-doctoral fellows. Jacqui has been the AllerGen Programme A: Gene-Environment Interactions Coordinator since August 2009.



Dr. John R G Challis, PhD, is President and CEO at the Michael Smith Foundation for Health Research. He joined the University of Toronto as Professor and Chair of the Department of Physiology in 1995. In 2001, he was appointed as the founding Scientific Director of the Canadian Institutes of Health Research, Institute of Human Development, Child and Youth Health. An internationally recognized researcher in the fields of physiology, obstetrics and gynecology, Dr. Challis' specific areas of research interest include hormone mechanisms during pregnancy, fetal and placental endocrinology and the influence of intrauterine development on disease after birth.



Dr. Judah Denburg, MD, FRCP(C) is Director and Chief of Service of Clinical Immunology and Allergy at Hamilton Health Sciences, McMaster Division. He is a Professor in the Department of Medicine, Faculty of Health Sciences having received his Professorship in 1988, and holds the William J. Walsh Professorship in General Internal Medicine. In addition to his other duties, Dr. Denburg is the Scientific Director and CEO of AllerGen NCE Inc., a Network of Centres of Excellence. Dr. Denburg is active as a physician, with one of the largest practices in allergy and immunology in Canada. Dr. Denburg's primary research interest is the developmental biology of eosinophils, basophils and mast cells, and their regulation in allergic inflammation; his pioneering investigations on the systemic nature of allergy have had a profound impact on clinical and basic scientific investigations in the field. Dr. Denburg is also a recognized expert on autoimmune diseases such as systemic lupus erythematosus (SLE).



Dr. Susan Elliott, PhD, is Dean of the Faculty of Applied Health Sciences at the University of Waterloo, where she holds joint appointments in the Department of Geography and Environmental Management, and Health Studies and Gerontology. She is also an adjunct professor at the United Nations University, Institute for Water, Environment and Health. Dr. Elliott is a medical geographer, and her primary research interests are in the area of environment and health, the global environment, urban social geography, and philosophy and method in the social sciences. Dr. Elliott is a program co-leader, research management committee member, and funded researcher at AllerGen. She also holds research grants from CIHR, SSHRC, the Heart and Stoke Foundation and Cancer Care Ontario.



Mr. Jean-Claude Gavrel was appointed Associate Vice President of the Networks of Centres of Excellence Program in October 2007, having served as Program Director since 2000. Under his leadership, the program has doubled in size and launched several new initiatives, including the Centres of Excellence for Commercialization and Research (CECRs), the Business-led Networks and the Industrial R&D Internship program. Mr. Gavrel has a broad and intimate knowledge of R&D collaborations and partnerships, gained over 25 years working with both private and public research organizations.



Dr. Arvind Gupta, PhD, is the CEO & Scientific Director of MITACS, a national research network which connects academia, industry and the public sector to develop cutting-edge tools for Canada's knowledge-based economy which he spearheaded in 2003. Prior to joining MITACS, Dr. Gupta helped found the Pacific Institute for the Mathematical Sciences and the Banff International Research Station for Mathematical Innovation and Discovery. He is also Professor at the University of British Columbia. Dr. Gupta is the editor of two book series on industrial mathematics and is the President of the 2011 International Congress on Industrial and Applied Mathematics.



Dr. Darryl Knight, PhD, is the Professor of Pharmacology at the University of British Columbia. In 2008, he assumed the role of Associate Director of the James Hogg iCAPTURE centre for Cardiovascular and Pulmonary Research. Dr. Knight's research program is focused on two independent but interrelated themes designed to increase our understanding of how the abnormal repair responses within the lung i) develop ii) contribute to the severity and chronicity of disease and iii) impact on treatment. His research program also involves the investigation of two diseases, Asthma and idiopathic pulmonary fibrosis, both of which are intimately associated with remodeling and fibrosis.



Dr. Jean Marshall, PhD, received her PhD from the University of Manchester and completed postdoctoral training in the UK and at McMaster University where she obtained her first Faculty appointment. She is currently a Professor and Head of the Department of Microbiology and Immunology at Dalhousie University in Halifax where she leads a research group examining the role of mast cells in immune regulation and host defence.



Dr. Kelly McNaghy, PhD, is the Professor of Medical Genetics at The Biomedical Research Centre, University of British Columbia. His work has focused on transcriptional control of hematopoietic stem cell maturation and cell fate also on the cell surface proteins stem cells use to communicate with their environment. His group has shown that the CD34 family of sialomucins is essential for a number of developmentally important processes and disease progression. Dr. McNaghy is a Michael Smith Foundation for Health Research Senior Scholarship, and an active member of the Stem Cell, AllerGen, and Stroke Network Centres of Excellence.



Dr. Chris Mody, MD, is the Jessie Boden Lloyd Professor of Immunology and the Division Chief of the Division of Respiriology at the University of Calgary. After completing his clinical training in Calgary, he did post-doctoral research training at the University of Texas Southwestern Medical Center in Dallas and the University of Michigan in Ann Arbor. During that training he developed an interest in pulmonary immunology and host defense, which continue to be active areas of laboratory investigation. His clinical interests are in immunologic lung disease, and fungal and suppurative lung infections.



Dr. John O'Neil, PhD, is Professor and Dean in the Faculty of Health Sciences at Simon Fraser University. He currently serves on the Board of Directors of the Michael Smith Foundation for Health Research, Science Advisory Board of Health Canada, the Advisory Board of the National Collaborating Centre on Aboriginal Health at the Public Health Agency of Canada. He was the founding chair of the Advisory Board for the CIHR Institute for Aboriginal People's Health (2000 to 2006). He has also served as a consultant to the Bill and Melinda Gates Foundation and the World Bank on HIV/AIDS prevention projects in India and Afghanistan.



Graham W.S. Scott, C.M., Q.C., Graham Scott is the President of Graham Scott Strategies Inc. and counsel to McMillan LLP. He has extensive experience in public policy, governance in the voluntary sector and in the assessment of boards and management teams in both the voluntary and private sectors with a particular emphasis on health care policy and issues. He served as Associate Secretary of the Cabinet followed by Deputy Minister of Environment and subsequently became Deputy Minister of Health. Graham serves as Chair of the Board of the Canadian Institute for Health Information (CIHI), Chair of AllenGen NCE Inc., Vice Chair of OEB Enterprise and Vice Chair of the Institute for Research on Public Policy. Graham is a Director of Sanofi Pasteur Limited; Revera Inc; the Atlantic Salmon Federation; the Association of the Faculties of Medicine of Canada and Mental Health Partnerships of Canada. He is a Governor of Rothesay Netherwood School and a former Chairman of Organ Donation Ontario.



Dr. Susan Waserman, MD, is currently a Professor of Medicine, in the Clinical Immunology/Allergy at McMaster University in Hamilton. She is the Director of the Adverse Reactions Clinic at the Firestone Institute of Respiratory Health, St Joseph's Hospital in Hamilton, Ontario. Research interest and activities are in mechanisms and treatment of peanut allergy and food related anaphylaxis. She is the past President of the Ontario and Canadian Societies of Allergy and Clinical Immunology where activities included CME for health professionals, as well as practice guidelines in areas such as anaphylaxis, rhinitis and immunotherapy.

Monday, February 7, 2011



Dr. Ryan Allen, PhD, has a PhD in environmental health from the University of Washington and currently an assistant professor in the Faculty of Health Sciences at Simon Fraser University. His research focuses on air pollution exposure assessment and epidemiology. Areas of particular interest include the development of tools for more accurately estimating exposure among large populations and investigations of the links between air pollution from combustion sources and adverse respiratory and cardiovascular health effects.



Dr. Michael Brauer, ScD, is a Professor in the School of Environmental Health at The University of British Columbia (UBC). He also holds associate appointments in the Division of Respiratory Medicine and the School of Population and Public Health at UBC. Dr. Brauer's research emphasis is on the assessment of exposure and health impacts of air pollution. He has evaluated associations between air pollution and incidence of childhood asthma in birth cohorts in The Netherlands and Canada. He is an investigator in the recently launched Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort. He is currently a member of the Global Burden of Disease Project, the International Scientific Oversight and Review Committees of the Health Effects Institute and chairs the external scientific advisory committee of the Mesa-Air Study.



Dr. Dean Befus, PhD, is the AstraZeneca Canada Inc., Chair in Asthma Research, Director of the Alberta Asthma Centre, Director of the Magnetic Resonance Diagnostic Centre (MRDC), and Professor of Medicine. He is co-leader, Diagnostics and Therapeutics Programme, AllerGen NCE Inc. In 1996 he co-founded Salpep Biotechnology Inc., now AIM Therapeutics Inc.



Roxanne Blood, BA, has a Bachelor of Arts Degree in Native Studies from the University of Alberta. She is the Project Coordinator on the AllerGEN funded Social Support Research Program Study: Engaging Aboriginal Families affected by Allergies and Asthma in Support and Education Program Development. Prior to joining this research team, she worked in the Faculty of Medicine for the Aboriginal Health Careers Program, U of A. She is a member of the Blood Band from the Blackfoot Confederacy. Roxanne is the mother of 4 beautiful daughters and has a wonderful Partner, Wayne. She is very active within her community and loves theatre, where she recently presented a play with her collective "Old Earth Productions."



Dr. Jeffrey R. Brook, PhD, is a senior scientist at Environment Canada in Toronto. He is also an assistant professor in the Dalla Lana School of Public Health and Department of Chemical Engineering at the University of Toronto. He currently co-leads the Genes and Environment Programme for AllerGen, which is a Canadian National Centre of Excellence based at McMaster University and he leads the environmental exposure assessment component of a national birth cohort examining the influences of environmental factors on children's health.



Dr. Chris Carlsen, MD, MPH, is an Assistant Professor and Chair in Occupational and Environmental Lung Disease at the University of British Columbia. His clinical and research interests center on occupational airways disease, including the effects of diesel exhaust and other particulate matter on asthma induction and exacerbation.



Dr. Ross Chang, MD, is an Allergy Specialist with an office in Burnaby, BC. He is a member of the medical staff at Burnaby Hospital. Dr. Chang completed his MD and Internal Medicine specialty at UBC in Vancouver. He completed his specialty in Clinical Immunology and Allergy at the National Jewish Center and University of Colorado in Denver. Dr. Chang is the President of the BC Society of Allergy and Immunology.

Monday, February 7, 2011 *(continued)*



Dr. Sven-Erik Dahlén, MD, is one of the pioneers in the field of leukotrienes and asthma, which has contributed to the development of a new class of drugs, the anti-leukotrienes. He is the Director of the Center for Allergy Research at Karolinska Institutet. He is also the Director for Research of the European Respiratory Society (ERS) and is the PI of the European Network for Understanding Mechanisms in Severe Asthma (ENFUMOSA). He has over the years had many leadership appointments within KI and nationally, including advisor to the Swedish Public Health Institute and member of the Scientific Board of the National Heart and Lung Foundation. He has published about 250 papers and ten books.



Dr. Miriam Diamond, PhD, focuses on tracking trace organic contaminants and metals from source to human and ecological exposure. Her lab group accomplishes this through developing and evaluating mathematical models with data collected and analyzed in her lab and in collaboration with others. Her research earned her Canadian Geographic Environmental Scientist of the Year in 2007. As an AllerGen Investigator, her goal within the CMP-1 study is to investigate the relationship between phthalate concentrations in homes and urinary concentrations in infants enrolled in the CHILD pilot study “mini-CHILD” in Vancouver.



Dr. Anne Ellis, MD, is an Assistant Professor at Queen's University in the Department of Medicine with a cross-appointment to the Department of Microbiology & Immunology. Her role is one of a Clinician Scientist with approximately 75% of her academic portfolio dedicated to research. Her research interests include cord blood predictors of future atopy and also allergic rhinitis mechanisms and treatments. She is now the Director of the Environmental Exposure Unit and the Co-Director of the newly launched Allergic Rhinitis Clinical Investigator Collaborative within AllerGen.



Dr. Paul Foster, PhD, is the Professor of School of Biomedical Sciences and Pharmacy at the University of Newcastle and has built an internationally renowned research program at the John Curtin School of Medical Research, The Institute of Advanced Studies, Australian National University, which is now recognised as one of Australia's preeminent research Institutes. He is also a visiting Professor at Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA. Professor Foster's research focuses on understanding the molecular and cellular basis of asthma, allergy, respiratory disorders, and chronic inflammation. His research program focuses on translational approaches directed towards the development of novel anti-inflammatory therapies.



Dr. Christine Hampson, PhD, is the Founder and Principal of Hampson/Roberts Solutions Group Inc., During the first term of Ontario Premier Dalton McGuinty from 2003-2007, Christine held the position of Executive Lead, Strategic Operations in the Office of George Smitherman, Ontario's Minister of Health and Long-Term Care as well as Executive Lead, Human Resources in the Office of the Premier. Christine joined the Asthma Society of Canada where she serves as President and CEO. Christine serves as a member of the Board of Directors of both The Company Theatre and AllerGen NCE.



Dr. Oxana Latycheva, MD, is Vice President, Programming at the Asthma Society of Canada. Oxana is a foreign trained medical doctor. She combined her clinical practice with research activities and earned her PhD degree in Medicine in 2002. After coming to Canada, Oxana obtained her Master's degree at the University of Toronto. Prior to joining the Asthma Society of Canada, Oxana coordinated the Primary Care Asthma Pilot Project and organized Asthma Education Clinics at four Community Health Centres located in South West Toronto.



Dr. Elaina MacIntyre, PhD, Bridge Doctoral Fellow 2004-2010. Elaina MacIntyre completed her PhD in the School of Environmental Health in April 2010. She is now a post-doc and continues to work with Dr. Michael Brauer examining the relationship between ambient air pollution and respiratory disease in childhood. She is based at the German Research Centre for Environmental Health and resides in Munich, where the lifestyle of beer gardens and cycling suites her perfectly.



Dr. Jeff Masuda, PhD, is an Assistant Professor, Environment and Geography at the University of Manitoba and CIHR New Investigator in Knowledge Translation. His research uncovers environmental health inequities experienced at individual, community, and policy levels. He promotes environmental health equity and promotes asthma and allergy resilient communities in rural and aboriginal youth to overcome geographic and social barriers to health services. Dr. Masuda is Director of the Centre for Environmental Health Equity at the University of Manitoba.



Dr. Paul O'Byrne, MD, is currently the E.J. Moran Campbell Professor of Medicine, and Chair of the Department of Medicine at the Michael G DeGroote School of Medicine, McMaster University. He is also the Executive Director of the Firestone Institute for Respiratory Health at St. Joseph's Healthcare. His research interests are on the mechanisms and treatment of asthma with particular reference to the role of environmental allergens and the mechanisms by which these cause airway inflammation.



Dr. Annika Sääf, PhD, Scientist, The Unit of Environmental Epidemiology, Institute of Environment Medicine, Karolinska Institutet. Annika received her PhD in Biochemistry at the Stockholm University and did a post-doc in Professor Brown's laboratory at Stanford University. She currently works on a team with Professor Göran Pershagen at the Institute of Environmental Medicine at the Karolinska Institutet. The research projects aim to advance the knowledge about genetic and environmental factors, involved in the development of asthma and eczema.



Dr. James Scott, PhD, is Associate Professor, Occupational and Environmental Health, Dalla Lana School of Public Health Sciences, University of Toronto. His focus is occupational and environmental hazards posed by microbes, and the role of the environmental and human microbiome in disease. Dr. Scott owns Sporometrics Inc., a commercial environmental microbiology laboratory and specialty consulting company. James also serves as the southern Ontario region medical mycology consultant to the Ontario Region Poison Information Centre for mushroom poisonings.



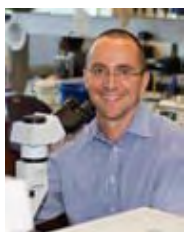
Dr. Jeremy Scott, PhD, is an Assistant Professor in the Department of Medicine and the Dalla Lana School of Public Health at the University of Toronto and a Scientist of the Keenan Research Centre of the Li Ka Shing Knowledge Institute of St. Michael's Hospital. He completed his H.BSc, MSc, and PhD in Pharmacology and Toxicology at the University of Western Ontario. His research interests are related to understanding the mechanisms underlying occupational and environmental exposures and allergic airways diseases, and the effect of routes of sensitization and challenge on the response to food allergens. He is a member of the Steering Committee for CanGoFAR.



Dr. Miriam Stewart, PhD, FRSC, FCAHS, Professor (University of Alberta) is a Health Senior Investigator (funded by Alberta Heritage Foundation for Medical Research), and a former Medical Research Council of Canada. Dr. Stewart's population health research programs investigate social factors influencing physical and mental health and their relevance to health services for vulnerable populations. Research funding for her interdisciplinary multi-site research programs has been awarded by Canadian Institutes of Health Research (CIHR), Medical Research Council of Canada, National Health Research Development Program, Canadian Health Services Research Foundation, Heart and Stroke Foundation of Canada, AllerGen NCE and other national and provincial research funders.



Dr. Tim Takaro, MD, is a physician-scientist and Associate Dean for Research at Simon Fraser University's Faculty of Health Sciences. His research interests are in environmental and occupational lung disease and the human health effects of climate change with collaborations in the US and Canada, Cuba, Mongolia, Iraq, Bangladesh and Ecuador.



Dr. Stuart Turvey, PhD, is an Associate Professor of Pediatrics at the University of British Columbia, a Pediatric Immunologist based at BC Children's Hospital, and Co-Director of the Immunity in Health & Disease research cluster at the Child & Family Research Institute. He provides clinical care while his research program focuses on pediatric infectious and inflammatory diseases -- major causes of death and illness of children in Canada and throughout the world. Specifically, Stuart is interested in the role of innate immunity and Toll-like receptor signalling in protecting infants and young children from infectious agents, and how abnormalities of the innate immune system contribute to inflammatory diseases of childhood.



Dr. Wendy Ungar, PhD, is a Senior Scientist in Child Health Evaluative Sciences at The Hospital for Sick Children, Toronto, an Associate Professor in Health Policy, Management and Evaluation, University of Toronto, and an Adjunct Scientist at the Institute for Clinical Evaluative Sciences. Dr. Ungar leads a program of research in the application of health economic methods to the paediatric population and also investigates the relationship between policies governing access to prescription medicines and health outcomes in children, with a focus on asthma. Dr. Ungar and her research team created and maintain the PEDE database, a popular on-line health technology assessment tool for examining health economic evidence in children.

Tuesday, February 8, 2011



Dr. Darryl J. Adamko, MD, is a Pediatric Pulmonary specialist and clinician scientist at the University of Alberta. Dr. Adamko's research focus has been within the field of asthma primarily. Thanks to the support of AllerGen, he has been the lead on team grants developing a novel way to diagnose and monitor patients with asthma using nuclear magnetic resonance analysis of urine. This work has great potential to improve the care for patients with respiratory diseases and he is the lead author on a patent for this work. Dr. Adamko also has expertise in understanding the mechanisms of virus induced asthma attacks and the development of allergic disease. This includes in vitro and in vivo models in humans and animals.



Victoria H. Arrandale, PhD(c), is a PhD candidate at the Centre for Research Expertise in Occupational Disease at the University of Toronto. Victoria holds a BSc in Biology from Simon Fraser University, and a MSc in Occupational Hygiene from the University of British Columbia. Her current research focusses on the possible connection between allergic skin and lung diseases in terms of exposure and sensitization. Generally, Victoria is interested in occupational and environmental exposure assessment as well as the translation of research in to public policy and practice.



Dr. Allan B. Becker, MD, FRCP(C) is Professor and Head of the Section of Allergy and Clinical Immunology in the Department of Pediatrics and Child Health at the University of Manitoba and a consultant allergist at Children's Hospital of Winnipeg. Dr. Becker's primary research interest is the origins of allergy and asthma in early life. He is co-PI of "The Canadian Asthma Primary Prevention Study" and leads two CIHR teams in asthma research. He is co-PI of the Canadian Healthy Infant Longitudinal Development (CHILD) study.



Dr. Luc Bh  rer, MD, is an occupational health medical adviser for the ministry of Health and Social Services of Qu  bec, the Institut national de sant   publique du Qu  bec and two regional public health departments (Qu  bec City area and Nunavik). Over the last few years, he addressed preventive strategies questions on topics like transmission of bioaerosols in health care settings, mental health problems related to work organization, chemical notifiable diseases (Sentinel events including occupational asthma) and screening of occupational diseases. He is the author and coauthor of several scientific papers on occupational asthma with and without latency, as well as on screening and medical surveillance of workers.



Prof. Timothy Caulfield is the Research Director of the Health Law Institute at the University of Alberta. In 2001 he received a Canada Research Chair in Health Law and Policy. He is also a Professor of biotechnology in the Faculty of Law and the School of Public Health. He is currently the Principal Investigator for a Genome Canada project and an AllerGen Network project on ethics, evidence and health policy research as well as the theme leader for the Stem Cell. Professor Caulfield is and has been involved with a number of national and international policy and research ethics committees, including Canadian Biotechnology Advisory Committee, Genome Canada's Science Advisory Committee, and the Federal Panel on Research Ethics.



Dr. Denise Daley, PhD, is an Assistant Professor, Department of Medicine at the University of British Columbia, and currently holds a Canada Research Chair in Genetic Epidemiology of Complex Diseases, a Michael Smith Foundation Career Investigator Award. Dr. Daley is a Principal Investigator at the James Hogg iCAPTURE Centre and studies complex diseases such as asthma, cancer, and heart disease, with a focus on gene-gene and gene-environment interactions and is currently investigating genes that may predispose children to developing asthma.



Dr. Catherine Lemière, MD, MSc, is a Professor of Medicine and Environmental Health Medicine at the Université de Montréal and is also a Staff Chest Physician at Sacre-Cœur Hospital in Montreal. Dr Lemière's research program is focused mainly on work-related asthma and more specifically, on the assessment of the airway inflammation present in this condition. She is currently supported by the Centre for Disease Control and Prevention to characterize work-exacerbated asthma. She is also an active member of the Canadian Thoracic Society and serves on the Asthma Committee chaired by Dr. Diane Lougheed.



Dr. Diane Lougheed, MD, FRCPC, is an Professor of Medicine, Physiology and Community Health and Epidemiology at Queen's University and an Adjunct Scientist at ICES-Queen's. She is the Director of the Kingston General Hospital Asthma Program and Medical Advisor of the KGH Asthma Education Centre. She obtained her medical degree from McMaster University, where she also completed her internal medicine residency. Following postgraduate research training in asthma at the University of Western Australia, she completed a respirology fellowship followed by a Master of Science Degree in Epidemiology at Queen's University. She is a past-Chair of the Ontario Thoracic Society and current Chair of the Canadian Thoracic Society Asthma Committee. Her research interests include asthma symptom perception, asthma epidemiology, work-related asthma and guidelines implementation.



Dr. Peter D. Paré, MD, is the Professor of Medicine and Pathology, Faculty of Medicine, University of British Columbia. His expertise is in the study of the physiological assessment, pathophysiology and more latterly the genetics of asthma and chronic obstructive pulmonary disease. He is the recipient of the Jacob Churg Distinguished Researcher award and a Michael Smith Distinguished Scholar. His research focuses on the mechanisms of airway narrowing in asthma and COPD, the bronchial microcirculation, the use of CT scanning to assess lung structure and the genetics of lung disease.



Dr. Diana Royce, EdD, is the Managing Director and COO of AllerGen NCE Inc. Dr. Royce obtained her BA (Waterloo) and MA (Queen's) in Political Science and a Doctor of Education degree from the University of Toronto. Before becoming involved with the NCE program in 1998, she spent 13 years as a Senior Policy Advisor with the Ontario government in post-secondary education and finance policy.



Dr. Andrew Sandford, PhD, is an Associate Professor in the Department of Medicine, University of British Columbia. His research is focused on the investigation of the genetic basis of obstructive lung disease.

AllerGen Students and New Professionals Network
6th Annual Trainee Symposium
June 5 - 7, 2011, Halifax Marriott Harbourfront Hotel



**Skills for Today, Skills for the Future:
Developing an Exceptional Career in
Allergy and Immunology**

Sessions include:

Knowledge Translation
Critical Thinking
Career Panel
Effective Scientific Writing
Presentation Skills
Mentoring & Teaching

Register Early!!!

Registration will begin in early March 2011. See www.allergen-nce.ca for more information



MARK YOUR CALENDARS NOW!

7th Annual Research Conference
Innovation from cell to society⁷



The heights we reach depend on the depth of our roots

At McMaster, we know complex issues require integrated solutions. Digging deep is second nature to us. Our innovative and multi-disciplinary approach to research has earned us international acclaim. But more than that, it's helped to save lives and contribute to the nation's social and economic well-being.

It is indeed fitting that McMaster University is home to AllerGen NCE Inc., a dynamic centre of excellence that shares our philosophy and approach to research.



McMaster
University

About AllerGen

AllerGen NCE Inc., the Allergy, Genes and Environment Network, (est. 2004), is a national research network funded by Industry Canada through the Networks of Centres of Excellence (NCE) Program. AllerGen's mandate is to support research, networking, commercialization, knowledge mobilization and capacity building activities that contribute to reducing the morbidity, mortality and socio-economic impacts of allergic diseases.

AllerGen's long-term goal is to create an enduring network of allergy and immune disease experts whose discovery and development efforts contribute to reducing the impact of allergic and related immune diseases nationally and globally.

AllerGen invests in leading-edge, multidisciplinary allergy, asthma and anaphylaxis research of strategic importance to the generation of new knowledge that contributes to improved health and productivity of Canadians and benefits the Canadian economy.



AllerGen's research investments are directed towards three overarching themes:

- 1. Programme A - Gene-Environment Interactions**
Strategic Focus: Genetics, environmental exposures and gene-environment interactions in allergy and asthma
- 2. Programme B - Diagnostics and Therapeutics**
Strategic Focus: Biomarkers, immune monitoring and drug development/discovery
- 3. Programme C - Public Health, Ethics, Policy and Society**
Strategic Focus: Allergic disease management and surveillance

Within these three themes, AllerGen also invests in four cross-programmatic, multidisciplinary research teams:

Established Cross-programmatic Teams

The Canadian Healthy Infant Longitudinal Development (CHILD) Study
Food Allergy and Anaphylaxis

Emerging Cross-programmatic Teams

Mind-Body Interactions and Allergic Disease
Occupational and Work-related Allergy and Asthma



Une bouffée d'air frais

CONGRÈS CANADIEN SUR LA SANTÉ RESPIRATOIRE

À inscrire
à votre
agenda !

28 – 30 avril 2011

Sheraton on the Falls, Niagara Falls (Ontario)

www.poumon.ca/crc



A Breath of Fresh Air

CANADIAN RESPIRATORY CONFERENCE

Mark your
Calendars!

April 28 – 30, 2011

Sheraton on the Falls, Niagara Falls, Ontario

Conference Sponsors

Gold



GlaxoSmithKline



King Pharmaceuticals



NOVARTIS

Silver



MERCK

Bronze



CHILD
& FAMILY
RESEARCH
INSTITUTE



Mr. Graham W. C. Scott, C.M., Q.C.

Official Media Sponsor



Conference Supporters

AnaphylaXis Canada



Michael Smith Foundation for
Health Research



Canadian Allergy, Asthma
and Immunology Foundation



Canadian Society of Allergy
and Clinical Immunology



Institute for
HEART+LUNG Health
Strong beats. Clear breaths. Full lives.



UBC JAMES HOGG RESEARCH CENTRE

Thank you to
our Gold Sponsors!




Proud sponsor of AllerGen

© 2011 King Pharmaceuticals Canada | www.kingpharm.ca | 877-EpiPen-1 (877-374-7361)

STAYING AHEAD BY
STAYING COMMITTED TO THE HEALTH
OF CANADIANS.



 **GlaxoSmithKline**
Discover more at GSK.ca

 **AllerGen**

Allergy, Genes and Environment Network
Le réseau des allergies, des gènes et de l'environnement



Novartis Pharmaceuticals Canada Inc. is one of the world's leading healthcare companies committed to improving patient health.

We discover and develop medicines that make a real difference.

There can be no delay.

Patients are waiting.

 **NOVARTIS**

www.novartis.ca