



Canadian Academy of Health Sciences  
Académie canadienne des sciences de la santé

# A New Resource

for Canada

# Une nouvelle ressource

pour le Canada



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## INTRODUCTION

Canadians are cared for in a health care system that is multidisciplinary in its composition and increasingly collaborative. This is well reflected in its interdisciplinary decision-making where physicians, nurses, pharmacists, dentists, physical, occupational and speech therapists, and those from other disciplines all contribute to the care patients receive. This teamwork also characterizes the health promotion and prevention activities required to enhance the health of current and future generations of Canadians. Whereas Canadians are well served by clinicians and scientists operating in their respective disciplines, Canada is facing complex and challenging health-related questions requiring resourceful solutions that can be best developed through the combined multi-disciplinary expertise of clinicians, scientists, and policy and planning experts.

Until the creation of the Canadian Academy of Health Sciences in 2004 there was no forum in Canada that brought together experts from the full range of health disciplines and scientific endeavors to address the questions, dilemmas and challenges confronting the country about its health and its health care system. The Canadian Academy of Health Sciences (CAHS) is one of three founding academies of the new Council of Canadian Academies (formerly the Canadian Academies of Science) that was established by the federal government in late 2004. The other two academies are the Royal Society of Canada and the Canadian Academy of Engineering.

The CAHS membership comprises approximately 200 Fellows with diverse backgrounds who have attained the highest levels of academic and professional accomplishment in their respective fields. CAHS is not an advocacy group but rather an organization comprised of individuals who have agreed to volunteer their time and expertise to participate in assessments of crucial health- and biomedical-related issues affecting the lives of all Canadians:

Remarkably, Canada has been unique in not having this type of resource as compared with many other countries such as the United States, France, the Netherlands, and the United Kingdom. Both the American Institute of Medicine and the British Academy of Medical Sciences are interdisciplinary organizations that respond to questions and issues put to them from a variety of sources: government, national non-governmental organizations, industry, academia and major research organizations. Consider some of the reports that the Institute of Medicine in the U.S. has produced after careful study and analysis that have had a meaningful impact on all aspects of health:

- To Err is Human: Building a Safer Health System (1999)
- Stem Cells and the Future of Regenerative Medicine (2001)
- Who will Keep the Public Healthy?: Educating Public Health Professionals for the 21<sup>st</sup> Century (2002)
- Preventing Childhood Obesity: Health in the Balance (2004)
- Crossing the Quality Chasm: A New Health System for the 21<sup>st</sup> Century (2001)

What will the CAHS be in a position to provide? Most importantly it can serve as an independent, arms-length, credible body of experts that will undertake major strategic assessments. These will result in highly focused reports that contain the analysis of issues, and the reporting of facts and their interpretation for implications relevant to future planning and policies in Canada. The experts required to undertake these assessments can be mobilized quickly and their reports prepared in a timely way. Furthermore, this process will enhance Canada's global position by providing international connectivity and an increased state of readiness related to global health and biomedical issues also likely to affect Canada.

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# INTRODUCTION

Les Canadiens et Canadiennes reçoivent leurs soins médicaux d'un système de soins de santé d'une composition multidisciplinaire et qui est de plus en plus co-opératif. Ceci est bien reflété par son processus décisionnel interdisciplinaire par lequel les médecins, infirmiers/infirmières, pharmacien(ne)s, dentistes, physiothérapeutes, ergothérapeutes, orthophonistes et les membres d'autres disciplines contribuent tous aux soins que les patients reçoivent. Ce travail d'équipe caractérise la promotion de la santé et les activités de prévention nécessaires pour rehausser la santé des générations actuelles et futures des Canadiens et Canadiennes. Bien que les Canadiens et Canadiennes soient bien desservis par les clinicien(ne)s et les scientifiques oeuvrant au sein de leurs disciplines respectives, le Canada fait face à des questions complexes et difficiles en ce qui concerne la santé, requiert des solutions ingénieuses qui peuvent être mieux développées par une approche qui combine les expertises multidisciplinaires de clinicien(ne)s, scientifiques et les experts en politiques et en planification.

Avant la création de l'Académie canadienne des sciences de la santé en 2004, il n'y avait aucun forum au Canada qui rassemblait des experts représentant la gamme complète des disciplines de la santé et les efforts scientifiques pour signaler les questions, dilemmes et défis auxquelles fait face le pays en ce qui concerne la santé et son système de soins de santé. L'Académie canadienne des sciences de la santé (ACSS) est une des trois académies fondatrices du nouveau Conseil des académies canadiennes (anciennement les Académies canadiennes des sciences) qui a été établi par le gouvernement fédéral à la fin de 2004. Les deux autres académies sont la Société royale du Canada et l'Académie canadienne de génie.

La liste des membres de l'ACSS comprend environ 200 Fellows avec des acquis divers, qui ont atteint les plus hauts niveaux de succès académique et professionnel dans leurs domaines respectifs. L'ACSS n'est pas un groupe de revendication mais plutôt un organisme constitué d'individus qui se sont portés volontaires pour offrir leur temps et expertise afin de participer à l'évaluation des enjeux vitaux de santé et de biomédecine affectant la vie de tous les Canadiens.

Fait à remarquer, le Canada est le seul à ne pas avoir ce genre de ressource comparativement à de nombreux pays tels que les États-Unis, la France, les Pays-Bas et le Royaume-Uni. L'American Institute of Medicine et la British Academy of Medical Sciences sont tous les deux des organismes interdisciplinaires qui répondent aux questions et enjeux qui leur sont posés par une variété de sources : les gouvernements, les organismes nationaux non gouvernementaux, les industries, le milieu universitaire et les organismes de recherche importants. Considérons quelques uns des rapports que l'Institute of Medicine aux É-U a produits, suite à une étude et une analyse minutieuse, ayant eu un impact significatif sur tous les aspects de la santé :

- *To Err is Human: Building a Safer Health System* (1999)
- *Stem Cells and the Future of Regenerative Medicine* (2001)
- *Who will Keep the Public Healthy?: Educating Public Health Professionals for the 21st Century* (2002)
- *Preventing Childhood Obesity: Health in the Balance* (2004)
- *Crossing the Quality Chasm: A New Health System for the 21st Century* (2001)

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Canadians and their leaders face many health and biomedical issues that have not received adequate attention and therefore leave our country vulnerable or performing at a level below their true potential. For example, how can the health of our disadvantaged populations be enhanced; how do we set public funding priorities to make the right choices for expenditures in the last 100 days of life; how do we best plan for the right quantity, skill-enabled and interactive health professionals in the future? A list of 14 key representative questions is appended: there are of course many others. Importantly, CAHS will provide the expertise and neutral space assessments that will answer these questions and inform potential directions for governments, health care facilities, voluntary organizations, academic institutions and research centres.

## MISSION OF CAHS

1. Serve as a credible, expert, independent assessor of science & technology issues relevant to the health of Canadians
2. Support the development of timely, informed & strategic advice on urgent health issues
3. Facilitate development of sound & informed public policy on these issues
4. Enhance understanding of health-related science & technology issues affecting the public by transmitting results of assessments & providing opportunities for public discussion
5. Provide a single authoritative & informed voice for the health science communities
6. Monitor global health issues to enhance Canada's state of readiness for the future
7. Represent Canadian health sciences internationally & liaise with international academies to enhance understanding and potential collaborations

## WHAT CAN CAHS PROVIDE?

- Strategic, well researched & focused assessments on issues of particular interest within a short time frame
- Creation of a well vetted inventory of health science expertise of both national and international scope
- Serve as independent, arms-length, credible experts undertaking major assessments on science & technology issues relevant to health of all Canadians
- Enhance Canada's global position by providing international connectivity & an increased state of readiness relating to world health issues likely also to influence Canada

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Qu'est-ce que l'ACSS serait en mesure d'offrir ? En premier lieu, la capacité de fournir un ensemble d'experts indépendants, non liés et crédibles, qui entreprendront des évaluations stratégiques importantes. Celles-ci résulteront en des rapports axés principalement sur l'analyse des enjeux et le rapport des faits et leurs interprétations des répercussions inhérentes à la planification et les politiques futures au Canada. Les experts nécessaires à ces évaluations peuvent être mobilisés rapidement et leur rapports préparés de façon opportune. De plus, ce processus rehaussera la position mondiale du Canada en fournissant une connectivité internationale et un état de préparation accru en ce qui concerne les enjeux globaux de santé et de biomédecine susceptibles d'affecter le Canada.

Les Canadiens et leurs leaders font face à de nombreuses questions de santé et de biomédecine qui non pas reçu une attention adéquate et, en conséquence, laissent notre pays vulnérable ou ne fournissant pas un rendement qui reflète le potentiel réel. Par exemple, comment peut-on améliorer la santé de nos populations défavorisées; comment établir les priorités de financement public afin de faire les bons choix de dépenses lors des 100 derniers 100 jours de la vie; comment mieux planifier la quantité adéquate de professionnels de la santé, compétents et interactifs, pour le futur ? Une liste de 14 questions clés représentatives est jointe; il y en a naturellement beaucoup d'autres. Ce qui est important, c'est que l'ACSS fournira l'expertise et l'espace neutre qui facilitant les évaluations qui répondront à ces questions et indiqueront les orientations potentielles aux gouvernements, les institutions de soins de santé, les organismes bénévoles, les organismes universitaires et les centres de recherche.

## ACSS: MISSION

1. d'agir comme évaluateur crédible, compétent et indépendant des enjeux scientifiques et technologiques touchant la santé des Canadiens
2. d'appuyer l'élaboration d'avis stratégiques pertinents en temps opportun sur des enjeux urgents pour la santé
3. d'appuyer l'élaboration des politiques saines et éclairées sur ces enjeux
4. promouvoir la compréhension des enjeux scientifiques et technologiques touchant la santé lorsqu'ils affectent le bien public en diffusant les résultats de ces évaluations et en favorisant les débats publics
5. d'agir comme porte-parole crédible et éclairé pour les diverses communautés des sciences de la santé
6. d'agir comme instance de veille des phénomènes mondiaux liés à la santé afin de mieux préparer le Canada à affronter l'avenir
7. de représenter les sciences de la santé du Canada sur la scène internationale et d'établir des liens avec ses homologues ailleurs dans le monde afin de favoriser des échanges et des collaborations sur des dossiers d'intérêt commun.

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# POTENTIAL CAHS ASSESSMENT TOPICS 2006

1. Striking the best balance between privacy & access to health records to inform public policy & future research
2. Promoting healthy human behaviors
3. Enhancing the health of disadvantaged populations
4. Individual human genomic typing: risks & opportunities
5. Stem cell research: striking the right balance for human health
6. Public funding for health care in the 1st and last 100 days of life: Making the right choices
7. Positioning Canada as the best location for novel health research and development
8. Enhancing the interface between technology and humanism in health care
9. Planning the right quantity, character and integration of human health resources for 2017
10. Priority setting in a publicly funded health system
11. Preparing for global threats to health & positioning Canada as a key strategic leader in the process
12. Mental Health: community social support and responsibility
13. Systems issues – intersection between process and content of health care delivery
14. Addressing the challenge of chronic diseases
15. Ensuring the integrity of health research

## TYPES OF ASSESSMENTS

The CAHS was established in 2004 and is comprised of emerging and established Canadian leaders in health research and related activities. It aims to provide, through their comprehensive consideration of research evidence and their thoughtful deliberations, advice to Canada on important health related matters. Election to active membership is both an honour and a commitment to serve in Academy affairs. The Academy serves as a vast resource of expertise to inform an ongoing advisory process.

The Academy's advice is provided on the request of Sponsor(s) who may be federal, provincial or territorial governments, government agencies, health organizations, NGO's, professional societies, academic and health institutions, and private organizations. The Sponsor(s) have the questions/issues and provide the necessary funding: CAHS is the steward of the process of answering the question, ensuring the quality and impartiality of the process, and the credibility of the final report. This CAHS process and the resulting report is called an "Assessment". The Sponsor(s) and CAHS work together to determine the nature of the Assessment, refining the question and agreeing on an appropriate process, product, and budget. This agreement is captured in a "statement of task", a formal contract to which all parties agree. In deciding whether to proceed with an assessment, process and product, CAHS considers such things as the importance to health and/or the burden of disease, the relevance to policy and decision-makers, and the availability of a body of knowledge and/or expertise to address the question. CAHS is able to provide consultations and assessments unparalleled in Canada because of the ability to tap expertise from institutions across the country and to mobilize exceptional interdisciplinary teams to guide the assessments.



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## QU'EST CE QUE L'ACSS PEUT FOURNIR?

- Des évaluations stratégiques, bien documentées et axées sur les enjeux d'un intérêt particulier dans un très court délai
- La création d'un inventaire bien examiné d'expertise dans les domaines des sciences de la santé, d'une envergure nationale et internationale
- Servir comme experts indépendants, non liés et crédibles, entreprennent des évaluations des enjeux scientifiques et technologiques se rapportant à la santé de tous les Canadiens et Canadiennes
- Rehausser la position mondiale du Canada en fournissant une connectivité internationale et un état de préparation accru en ce qui concerne les enjeux de santé mondiaux susceptible d'influencer le Canada

## SUJETS D'ÉVALUATION POSSIBLES POUR L'ACSS EN 2006

1. Établir un meilleur équilibre entre la confidentialité et l'accès aux dossiers médicaux pour informer l'élaboration des politiques publiques et les recherches futures
2. Promouvoir les comportements pouvant améliorer la santé
3. Rehausser la santé des populations défavorisées
4. Le typage génomique humain individuel : risques et potentiels
5. Les recherches sur les cellules souches : trouver le bon équilibre pour la santé
6. Le financement public pour les soins de santé pour les premiers et derniers 100 jours de la vie : faire les bons choix
7. Positionner le Canada comme étant le meilleur endroit pour les recherches novatrices et le développement de la santé
8. Rehausser l'interface entre la technologie et l'humanisme pour les soins de santé
9. Planifier la bonne quantité, le caractère et l'intégration des ressources de santé pour 2017
10. Établir les priorités pour un système de santé financé par le public
11. Se préparer pour faire face aux menaces mondiales à la santé et positionner le Canada comme leader stratégique clé du processus
12. La santé mentale : le soutien sociale et la responsabilité communautaire
13. Enjeux systémiques – intersection entre le processus et le contenu de la livraison des soins de santé
14. Signifier le défi des maladies chroniques
15. Assurer l'intégrité de la recherche en santé

## TYPES D'ÉVALUATIONS

L'ACSS a été fondée en 2004 et regroupe des experts canadiens seniors et en émergence en matière de recherche en santé et autres domaines connexes. Elle vise à fournir, à partir de leur compréhension des données probantes et de leur réflexion approfondie, des conseils au Canada sur les importantes questions liées à la santé. L'élection à titre de membre actif est à la fois un honneur et un engagement à servir dans des affaires de l'Académie. L'Académie sert de vaste ressource d'expertise pour informer un processus consultatif continu.

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*There are three main types of CAHS Assessment, varying in both process and product:*

**The first is an "Independent Assessment"** which is a formal report prepared under the direction of an independent Assessment Panel developed by CAHS in consultation with others. Members of the panel are chosen from the international health sciences community for their relevant expertise, freedom from real and perceived conflicts of interest, and contributions to a balance of views on the Panel. The Panel reviews the evidence in open sessions, and when the evidence has been assembled, convenes privately to prepare a report. This report is reviewed by independent experts selected by CAHS, and their comments form the basis of editorial revision of the report. The report contains conclusions and recommendations in the name of CAHS. The final report is approved by the Board of CAHS prior to its release to the Sponsor(s), followed by appropriate further dissemination.

**The second type of Assessment** is concerned with the review of the reports of other academies, governments and countries. Interest in better health knows no borders, and there is a continuing stream of reports on topical health issues released from other countries and international organizations. These have important implications for relevant organizations in Canada, and so a frequent question relates to the Canadian applicability of the report and its recommendations. Recognizing the value of these international reports, and the importance of framing them in the Canadian environment, the CAHS offers an assessment called the "3C's—Casting in a Canadian Context". At the request of the Sponsor(s), and following agreement on the "statement of task", CAHS will convene a specially appointed independent Assessment Committee to review the Report. Members of the panel are drawn chiefly from Canada, and are chosen for their relevant expertise, freedom from real and perceived conflicts of interest, and contributions to a balance of views on the panel. Their review is sent for peer-review by independent experts, and their comments form the basis of editorial revision of the report. The final report is approved by the Board of CAHS, which officially sponsors the "Canadian content".

Both of these types of assessments address the "statement of task" agreed to by the study Sponsor(s), and are carried out independently by CAHS in order to remain free of potential conflicts of interest. The independence of the Assessment process is one of its most important and valued characteristics. The timeframe for completing these assessments is generally one to two years.

**The third type of Assessment** is called a Forum which is a meeting or series of meetings convened by CAHS as an ongoing opportunity for public-and private-sector experts, Sponsors, and other interested parties to discuss important issues in an open environment that facilitates evidence-based dialogue. This "convening" activity brings people from government, academia, industry, NGO's, and professional associations together in a neutral environment created by CAHS. These Forums are generally convened with the expectation that there will be a continuing activity on the subject; they may be part of a scoping exercise for a larger formal full report, or a test vehicle intended to lead to the initiation of an ongoing series of meetings. They may be convened on a particular theme which brings participants together with some periodicity to discuss topics under the theme—such as microbial threats, or health workforce planning. Depending on the agreement between CAHS and the Sponsor(s) the summary report of the "convened activity" may range from informal notes for the Forum participants only, through to a Summary Report for more general distribution. Such reports do not issue conclusions or recommendations in the name of CAHS, because the Forum process includes the sponsors and other interested parties, and the Reports reflect the points of view of these committed groups and individuals.

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Les conseils de l'Académie sont fournis à la demande de commanditaires qui peuvent être le Gouvernement fédéral, des gouvernements provinciaux ou territoriaux, des organismes gouvernementaux, des organismes de santé, des organismes non gouvernementaux (ONG), des sociétés professionnelles, universitaires ou des établissements de santé, ou encore des organismes privés. Le(s) commanditaire(s) a les questions et fournit le financement nécessaire: l'ACSS est le gestionnaire du processus de réponse à la question, en assure la qualité et l'impartialité ainsi que la crédibilité du rapport final. Ce processus de l'ACSS et le rapport qui s'en suit s'appelle une « évaluation ». Le commanditaire et l'ACSS travaillent ensemble pour déterminer la nature de l'évaluation, le raffinement de la question et conviennent du processus, du produit et du budget. Cet accord est saisi dans un « cahier de charge », un contrat formel auquel toutes les parties conviennent. Avant de procéder à l'évaluation, son processus et le produit, l'ACSS considère des choses tel que l'importance de la question pour la santé et/ou le fardeau de la maladie, la pertinence avec les politiques et les décideurs et la disponibilité d'experts pouvant adresser la question. L'ACSS peut fournir des consultations et des évaluations inégalées au Canada en raison de sa capacité à mobiliser l'expertise d'équipes interdisciplinaires exceptionnelles puisées au sein des établissements d'à travers le pays pour guider les évaluations.

Il y a trois principaux types d'évaluations et ce, selon le processus et le produit:

La première est « l'évaluation indépendante » qui est un rapport officiel préparé sous la direction d'un panel d'évaluation indépendant mis sur pied par l'ACSS en consultation avec d'autres. Les membres du panel d'experts sont choisis parmi la communauté internationale en sciences de la santé pour leur expertise appropriée, pour leur absence de conflits d'intérêt réels ou perçus et pour leur contribution à un équilibre des opinions sur le panel. Le panel passe en revue les données probantes au cours de sessions publiques et, quand les données ont été réunies, se réunit en privé pour préparer un rapport. Ce rapport est passé en revue par des experts indépendants choisis par l'ACSS et leurs commentaires forment la base des révisions éditoriales du rapport. Le rapport contient des conclusions et des recommandations au nom de l'ACSS. Le rapport final est approuvé par le Conseil d'administration de l'ACSS avant d'être remis au commanditaire et est suivi d'une diffusion appropriée.

Le deuxième type d'évaluation est l'examen de rapports d'autres académies, gouvernements et pays. L'intérêt pour une meilleure santé ne connaît aucune frontière et il y a un flot continu de rapports sur des questions de santé diffusés par d'autres pays et organismes internationaux. Ceux-ci ont d'importantes implications pour des organismes canadiens et la question de l'applicabilité canadienne du rapport et de ses recommandations est fréquemment soulevée. Reconnaisant la valeur de ces rapports internationaux et de l'importance de les encadrer dans un contexte canadien, l'ACSS offre une évaluation appelée « l'ECC—l'encadrement dans un contexte canadien ». À la demande du commanditaire et suivant l'entente sur le contenu du « cahier de charge », l'ACSS mettra sur pied un comité d'évaluation indépendant de l'ACSS spécifiquement mandaté pour passer en revue le rapport. Les membres du panel d'experts sont principalement choisis au Canada pour leur expertise appropriée, pour leur absence de conflits d'intérêt réels ou perçus et pour leur contribution à un équilibre des opinions sur le panel. Leur revue est soumise à l'examen par des pairs qui sont des experts indépendants et leurs commentaires et rapports sont soumis à la révision éditoriale. Le rapport final est approuvé par le Conseil d'administration de l'ACSS qui endosse le « contenu canadien » de façon officielle.

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## FELLOWSHIP QUALIFICATIONS

The Canadian Academy of Health Sciences recognizes the full breadth of academic health science including all of the medical and allied health sciences and ranging from fundamental science to social science and population health. Fellows elected to the Academy will be well recognized by their peers nationally and internationally for their contributions to the promotion of health science. They will have demonstrated leadership, creativity, distinctive competencies and commitment to advance academic health sciences. Such individuals are elected to the organization after a nominating and peer review procedure, which seeks to recognize those who are marked by a record of substantial accomplishment. At the time of election, fellows must be Canadian citizens or have been Canadian residents for the preceding three years. Election to the Academy is considered one of the highest honours for members of the Canadian health sciences community and carries with it a covenant to serve the Academy and the future well-being of the health sciences irrespective of the fellow's specific discipline.

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Ces deux types d'évaluations adressent le « cahier de charge » convenu par le commanditaire de l'étude et sont effectuées indépendamment par l'ACSS pour éviter tout potentiel de conflit d'intérêt. L'indépendance du processus d'évaluation est l'une de ses caractéristiques les plus importantes et estimées. Le calendrier pour accomplir ces évaluations est généralement d'un à deux ans.

Le troisième type d'évaluation s'appelle un forum, qui est une réunion ou une série de réunions, organisées par l'ACSS et qui constitue une occasion continue pour que les experts du secteur public et privé, les commanditaires et d'autres acteurs du domaine discutent des questions importantes dans un environnement ouvert qui facilite le dialogue sur les données probantes. Cette activité de rassemblement de gens provenant des gouvernements, du milieu universitaire, de l'industrie, d'organismes non gouvernementaux et d'associations professionnelles dans un environnement neutre créé par l'ACSS. Ces forums sont généralement tenus dans l'espoir que s'en suivra une activité continue sur le sujet; ils peuvent faire partie d'un exercice ayant une plus grande portée et soutenu par un rapport formel complet ou encore servir de véhicules d'essai pouvant mener au déclenchement d'une série continue de réunions. Ces forums peuvent être tenus sur un thème particulier qui regroupe des participants de façon régulière pour discuter des questions liées à ce thème—comme les menaces bactériologiques ou la planification de la main-d'œuvre en santé. Selon l'accord convenu entre l'ACSS et le commanditaire, le compte rendu de l'activité en question peut prendre la forme de simples notes destinées aux participants du forum seulement jusqu'au rapport complet pour une distribution plus générale. De tels rapports ne comportent pas de conclusions ou de recommandations au nom de l'ACSS parce que le processus de forum inclut les commanditaires et d'autres partenaires intéressés et que les rapports reflètent les points de vue de ces groupes et individus impliqués.

## MISE EN CANDIDATURE DES MEMBRES

L'Académie canadienne des sciences de la santé reconnaît l'éventail complet des sciences de la santé en milieu universitaire, y compris toutes les sciences médicales et paramédicales, allant de la recherche fondamentale aux sciences sociales, en passant par la santé des populations. Les membres élus à l'Académie seront bien reconnus de leurs pairs aux niveaux national et international pour leur contribution à la promotion des sciences de la santé. Ils auront su faire preuve de leadership, de créativité, de compétences distinctives et d'engagement à l'endroit de l'avancement des sciences de la santé en milieu universitaire. Ces personnes sont élues au sein de l'organisation après une mise en candidature et un processus d'examen par des pairs, par l'entremise duquel sont reconnus ceux qui se seront démarqués par leurs réalisations exceptionnelles. Au moment de l'élection, les membres doivent être citoyens canadiens ou avoir été résidents du Canada durant les trois années précédentes. L'élection à l'Académie est considérée comme l'une des plus hautes distinctions pour les membres de la communauté des sciences de la santé en milieu universitaire au Canada et s'accompagne d'un engagement à servir l'Académie et de promouvoir l'évolution des sciences de la santé, peu importe la discipline du membre.

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## BOARD • CONSEIL (2006)

### EXECUTIVE/EXÉCUTIF

#### NAME/NOM

Paul Armstrong, President-Président

Martin Schechter, President-elect -Président désigné

Carol Richards, Secretary-Secrétaire

Catharine Whiteside, Treasurer-Trésorier

### DIRECTORS/DIRECTEURS

#### NAME/NOM

Carlton Gyles

Pavel Hamet

Kevin Keough

Patrick McGrath

Dorothy Pringle

Barry Sessle

Peter Tugwell

Jacques Turgeon

INSTITUTION/ÉTABLISSEMENT	DISCIPLINE/DISCIPLINE
Professor of Medicine University of Alberta	Medicine
Professor University of British Columbia	Medicine
Professor and Canada Research Chair in Rehabilitation Laval University	Rehabilitation Sciences
Dean, Faculty of Medicine University of Toronto	Medicine

INSTITUTION/ÉTABLISSEMENT	DISCIPLINE/DISCIPLINE
Professor, Department of Pathobiology University of Guelph, Ontario Veterinary College	Veterinary Medicine
Director of Research Centre hospitalier de l'Université de Montréal (CHUM)	Medicine
President and Chief Executive Officer Alberta Heritage Foundation for Medical Research	Medicine
Professor of Psychology, Pediatrics and Psychiatry Dalhousie University	Psychology
Professor Emeritus University of Toronto	Nursing
Professor, Faculty of Dentistry University of Toronto	Dentistry
Canada Research Chair in Health Equity University of Ottawa	Medicine
Vice-Rector– Research Université de Montréal	Pharmacy

## FELLOWS • MEMBRES (2006)

Albert J. Aguayo	Alastair Cribb	Ronald D. Guttman
William Albritton	Richard Cruess	Harvey Guyda †
Tasso P. Anastassiades	Max Cynader †	Carlton Gyles
Aubie Angel	Abdallah Daar †	Vladimir Hachinski
Jack Antel	Dale Dauphinee	Antoine Hakim
Stephen L. Archer	Jean Davignon	Judith Hall
Paul W. Armstrong	Dave Davis	Phillip Halloran
Francois Auger	Jacques de Champlain	Pavel Hamet
Lorne Babiuk †	Lesley Degner †	J. Richard Hamilton
Patricia A. Baird	Johanne Desrosier†	David F. Hardwick
Michael Baker	Naranjan Dhalla	Susan Harris
Morris L. Barer	Henry Dinsdale	David Hawkins
Renaldo Battista †	John Dirks	Michael Hayden
Michel G. Bergeron	Ian R. Dohoo	Rejean Hebert
Alan Bernstein	Diane Doran	Carol Herbert
Allan Best	James Dosman	Clyde Hertzman
John Bienenstock	Andrée Durieux-Smith	Philip Hicks
Joan Bottorff	Mostafa M. Elhilali	K. Wayne Hindmarsh
Michel Bouvier	Robert Evans	Ellen Hodnett
M. Ian Bowmer	Thomas Feasby †	James C. Hogg
Manuel Buchwald	B. Brett Finlay	Martin Hollenberg
Helen Burt	Jean-Claude Forest †	Yves Joannette †
John A. Cairns	Yves Fradet	Joy Johnson
Donald Calne	Cyril Frank	Celeste Johnston
Serge Carrière	John W. Frank	Jawahar (Jay) Kalra
S. George Carruthers	Henry G. Friesen	George Karpati
Carol Cass †	Abraham Fuks	Norah Keating †
Vincent Castellucci	D. Grant Gall †	Nuala Kenny
Timothy Caulfield †	Nicole Gallo-Payet †	Wilbert J. Keon
Sylvain Chemtob †	Jacques Genest	Kevin M. W. Keough
Ray Chiu	Phil Gold	Bartha M. Knoppers
Anthony Chow	Larry Goldenberg †	Otto Kuchel
Michel Chrétien	Harry L. Goldsmith	Fernand Labrie
Michael Clandinin †	David Goltzman	Jean-Claude Lacaille
John Conly †	Avrum Gotlieb †	André Lacroix
Andre-Pierre	Paul Grand'Maison	Bernard Langer
Contandriopoulos †	Jean Gray	Andreas Laupacis



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Mary Law	Arnold Naimark	William Sibbald
Yvonne Lefebvre	Louise Nasmith	Melvin Silverman
Wendy Levinson †	Stanley Nattel †	Jacques Simard †
Peter Liu	C. David Naylor	Peter Singer †
David Locker †	Lindsay Nicolle	Bhagirath Singh
Jonathan Lomas †	Linda O'Brien-Pallas	Emil Skamene
Donald Low	Hugh O'Brodovich †	Ingrid Sketris
James Lund †	Annette O'Connor	Eldon R. Smith
Nora (Noni) MacDonald	Christopher Overall	Michael J. Sole
Peter Macklem	Eliot Phillipson	Matthew W. Spence
Stuart M. MacLeod	Roger Pierson	Bonnie Stevens †
Paul Man	I. Barry Pless	Miriam Stewart
G. B. John Mancini	Barry J. Posner	Donald Stuss
Karen Mann	Dorothy Pringle	Roger A. L. Sutton
Thomas Marrie	Rémi Quirion	Charles H. Tator
James G. Martin	Raymond Rajotte †	Sally Thorne
Renee Martin †	Eugenio A. Rasio	Aubrey J. Tingle
S. Wayne Martin	Jeffrey Reading	Johanne Tremblay †
Anne Martin-Matthews †	Domenico Regoli	Richard E. Tremblay
Christopher McCulloch†	Richard Reznick	Jack Tu †
Ernest A. McCulloch	Carol L. Richards	Peter S. L. Tugwell
Grant McFadden	Kenneth Rockwood	Jacques Turgeon
Patrick J. McGrath	Allan Ronald	Jeffrey Turnbull
Roderick McInnes †	Lawrence Rosenberg	D. Lorne Tyrrell
Bruce McManus	David S. Rosenblatt	Jack Uetrecht
John McNeill	Walter W. Rosser	Patrick Vinay
Graydon (Grady) Meneilly	Serge Rossignol †	Peter Walker
Jose Menezes†	Ori D. Rotstein	Keith Walley
Nadia Mikhael	Guy Rouleau †	Mamoru Watanabe
Richard Morriset	Claude Roy	Jeffrey I. Weitz
Barbara Morrongiello †	Rima Rozen †	Catharine Whiteside
Janice M. Morse	Ellen Rukholm	Douglas R. Wilson
Jean-Marie Moutquin †	Robert B. Salter	Sharon Wood-Dauphinee
David S. Mulder	Martin T Schechter	Donald Woods †
Bruce Murphy †	Ernesto L. Schiffrin	Salim Yusuf
T. J. (Jock) Murray	Hugh Scott	
J. Fraser Mustard	Rafick Sékaly †	† Fellows / Membres 2006
Reginald A. Nadeau	Barry J. Sessle	

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## CITATIONS • NOTICES ACADÉMIQUES

### ALBERT J. AGUAYO

Albert Aguayo is currently the President of the Paris-based International Brain Research Organization (IBRO) and the former Director of the Centre for Research in Neuroscience at McGill University. His main scientific interest is in the study of the central nervous system's capacity for regeneration and repair. A member of several editorial boards, he has authored more than 150 scientific publications and is the recipient of several awards and distinctions including the Gairdner (Canada), Wakeman (USA), Ameritec (USA), Ipsen (France), Cotzias (USA), Leo Parizeau (Canada), F.N.G Starr (CMA), Wilder-Penfield (Prix du Quebec), the J.E.Purkinje (Czech Republic) and Christopher Reeve (USA) Medals as well as honorary degrees from Lund (Sweden) and Queen's (Canada). Dr. Aguayo is a Fellow of the Royal Society of Canada and the Institute of Medicine of the National Academy of Sciences (USA) and an Officer of the Order of Canada.

### WILLIAM ALBRITTON

William Albritton is Professor of Pediatrics and Dean of the College of Medicine at the University of Saskatchewan. He has practiced pediatric infectious diseases since 1976 and general pediatrics since 1994. He has special interests in frequent infections, immune deficiency states, including HIV/AIDS. In addition, he has special clinical interests in providing general pediatric continuity care to children with special needs, development delay, and a wide variety of clinical conditions in early infancy. Dr. Albritton's current research interests are in the evaluation of healthcare delivery systems for the underserved and a variety of interest in medical education, including admissions policies, undergraduate and graduate curricula, especially in areas related to social accountability and professionalism.

### TASSO P. ANASTASSIADES

Tassos Anastassiades is Professor of Medicine and Biochemistry at Queen's, having trained at McGill and Rockefeller Universities. He was a Fellow and Scholar of both the MRC and the Arthritis Society (TAS) and was Head of the Division of Rheumatology at Queen's for over 30 years. He played a central role in educational and research program development and has been internationally recognized for his research, which spans both basic and clinical science. He served at various levels in TAS, the CIHR (MRC) and the RCPS and is chair of the musculoskeletal research focus at Queen's. His current interests include repair of damaged hard tissues and the inter-phase of post-graduate training between basic science and clinical science. He is interested in exploring models on how principal teaching hospitals in Canada might come under a federally-funded rubric that would enhance post-graduate training and research.

### AUBIE ANGEL

Aubie Angel is Professor of Physiology at the University of Manitoba with research interests in adipose tissue and lipid metabolism. His earlier research concerned structure function relationships of lipid synthesis in adipose tissue and evolved to studies that characterize lipoprotein receptor systems in fat tissue. He is credited with establishing the importance of adipose tissue as a major site of cholesterol storage in the body. His work also determined that in obesity, the total body cholesterol pool is enlarged because of the accumulation of cholesterol in fat tissue. His recent research has focused on the impact of dietary fat on adipose tissue growth and metabolism. Studies were recently published demonstrating that diets supplemented with fish oil are associated with smaller fat stores

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compared to lard fed animals. His lab also characterized the role of cholesterol ester transfer protein activity and its synthesis and secretion from adipose tissue. Dr. Angel has published many papers and books related to nutritional and hormonal control of adipose tissue metabolism and on different aspects of obesity, diabetes and lipid metabolism.

## **JACK ANTEL**

Jack Antel is a Professor of Neurology at McGill University where he has served as Chairman of the Department of Neurology and Neurosurgery. Prior to his work at McGill, Dr. Antel was Professor of Neurology at the University of Chicago. His interests include interactions between the immune and central nervous systems and inflammatory demyelinating disorders, including multiple sclerosis. He has served on editorial boards for numerous neurological journals and on advisory boards for such organizations as the National Multiple Sclerosis Society of the United States, the American Neurological Association, and the Multiple Sclerosis Society of Canada where he is now the chair of the Medical Advisory Committee. In 2005 Dr. Antel received the John Dystel Prize for Multiple Sclerosis Research from the National MS Society/American Academy of Neurology.

## **STEPHEN ARCHER**

Stephen Archer is Professor of Medicine and Physiology at the University of Alberta and director of the Cardiology Division. He is the founder of the Vascular Biology Research Group and is the Heart and Stroke Chair for Cardiovascular Research for Northern Alberta. In 2004 he received a Canada Research Chair in Oxygen Sensing and Translational Cardiovascular Research and is the principle investigator in a \$20-million initiative to build ABACUS, the Alberta Cardiovascular and Stroke Research Centre at the University of Alberta. His research focuses on blood vessels and how they sense oxygen at a molecular level. An author of four books, Dr. Archer has also published over 130 peer-reviewed papers and is on the editorial board of Circulation Research and several other journals. Dr. Archer's awards include the 2004 Research Achievement Award from the Canadian Cardiovascular Society, the 2003 Capital Health Researcher of the Year Award and the 2002 Paul Armstrong Research Achievement Award.

## **PAUL W. ARMSTRONG**

Paul Armstrong is Professor of Medicine (Cardiology) at the University of Alberta, Director of the Canadian VIGOUR Centre (Virtual Coordinating Centre for Global Collaborative Cardiovascular Research) and Director of TORCH (Tomorrow's Research Cardiovascular Health Professionals), a Strategic Training Program Initiative. He is the current President of the Canadian Institute of Academic Medicine, founding President of the Canadian Academy of Health Sciences and a Board member of the Canadian Academies of Science. Formerly Chair of the Department of Medicine, University of Alberta, he has published extensively and served on many editorial boards. He currently is a member of the CIHR Circulatory and Respiratory Institute Advisory Board and formerly a member of FDA Cardiovascular and Renal Drugs Advisory Committee and the ACC/AHA STEMI guidelines writing committee. During his career, he has received numerous awards including the Award of Merit from the Heart and Stroke Foundation of Canada, the Robert Beamish Leadership Award and the Prix Galien Canada Research Award.

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## FRANCOIS AUGER

Le développement de la carrière scientifique du François Auger a été marqué par 3 éléments principaux, 1) la création et le développement d'un groupe de recherche en génie tissulaire (le Laboratoire d'Organogenèse Expérimentale (LOEX)), 2) obtention d'une subvention d'infrastructure de la FCI (Fondation Canadienne pour l'Innovation), et 3) son activité scientifique principale. Il a mis sur pied, en 1985, les premiers éléments de la présente équipe, grâce à l'impulsion donnée par les chirurgiens plasticiens, menant au procédé de culture épidermique au Canada. La Fondation des Pompiers du Québec pour les Grands Brûlés (FPQGB) a été l'élément clé afin de financer cet effort. La première greffe d'épiderme cultivée autologue au Canada a donc été faite en nos murs en 1986. À l'heure actuelle, il a obtenu, avec son équipe de chercheurs, une subvention majeure du FCI, qui représente un projet de 15.5 millions de dollars. Il est très actif et collabore dans tous les axes du LOEX, mais il se concentre principalement dans trois domaines, soit la reconstruction cutanée, vasculaire, et cornéenne.

## LORNE BABIUK

Lorne Babiuk is Director of the Vaccine and Infectious Disease Organization (VIDO), Canada Research Chair in Vaccinology and Biotechnology, and Professor in the Department of Veterinary Microbiology at the University of Saskatchewan. He is a world leader in vaccinology as applied to both animals and humans. Throughout his career, he has combined molecular biology, immunology and whole-animal studies to acquire a better understanding of disease pathogenesis and control. He has fully sequenced and characterized the bovine and porcine adenovirus genomes and has developed novel animal models that simulate the natural-disease state for the testing of vaccines and immune modulators. He holds more than 20 patents, has published more than 450 peer-reviewed articles, and is frequently called upon to help set science policy in Canada.

## PATRICIA A. BAIRD

Patricia Baird is currently a University Distinguished Professor at the University of British Columbia. In 1978, Baird became the first woman to head the Department of Medical Genetics at the University of British Columbia. With a specialty in the area of mental retardation, birth defects and genetics disorders such as Down syndrome, Dr. Baird's research also focuses on examining the social, ethical and health consequences of new knowledge of human reproductive biology and genetics. As a result of her achievements, she is widely quoted and respected for her work on genetics and on issues relating to how new genetic knowledge should be applied. Dr. Baird has served as an advisor to World Health Organization in recent years, Chair of the 1993 ground-breaking Royal Commission on New Reproductive Technologies as well as being associated with the Canadian Institute for Advanced Research.

## MICHAEL BAKER

Michael Baker is Charles H. Hollenberg Chair in Medicine, Physician-in-Chief, University Health Network and Professor of Medicine at the University of Toronto. His career interests have included cancer research, medical and research administration, and an ongoing consulting practice for patients with blood diseases or cancer. Dr. Baker's research has focused on the diagnosis and treatment of acute leukemia and Cancer Control in Canada. He has chaired cancer research committees for the Medical Research Council of Canada, the Ontario Cancer Treatment and Research Foundation (Cancer Care Ontario), the Alberta Cancer Board, and the National Cancer Institute of Canada. He served as President of the National Cancer Institute of Canada for three years and as a Board Member of the Canadian Cancer Society for five years. His scientific contributions include more than 100 publications in leading journals.

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## MORRIS BARER

Morris L. Barer is Professor and Director, Division of Population Health and Health Services Research, in the Department of Health Care and Epidemiology at UBC, and was the founding Director of the Centre for Health Services and Policy Research. His recent research has focused on the determinants of health care cost increases (with an emphasis on pharmaceutical sector); pharmaceutical policy in Canada; separating fact from fiction in arguments about access to care, wait lists, the effects of an aging population, and health care financing; use of health care services, particularly by seniors; continuity of care; and the roles of research evidence and interests in the evolution of health care policy. Dr. Barer is the first Scientific Director of the CIHR Institute of Health Services and Policy Research and has overseen its development.

## RENALDO BATTISTA

Les réalisations et les contributions du Dr Battista se situent aux niveaux universitaire, provincial, national et international, et se regroupent autour de trois thèmes: 1 'intégration des services préventives à la pratique clinique ; le développement et 1 'implantation de lignes directrices en pratique clinique; et l'évaluation des technologies de la santé. En effet, il a été très présent sur la scène internationale dans le développement de la culture d' évaluation des technologies et des modes d' intervention en santé par des contributions de plusieurs types: conceptuel et de recherche, opérationnel et organisationnel, et lie à la formation. Depuis octobre 2005, Dr Battista est titulaire de la Chaire de recherche du Canada en Évaluation des technologies et des modes d' intervention en santé. Les réalisations du candidat témoignent d' un intérêt soutenu pour le transfert des connaissances ou la création de liens effectifs entre la production d' informations scientifiques et son utilisation par les professionnels de la santé, les gestionnaires et les décideurs.

## MICHEL BERGERON

Michel G. Bergeron est le fondateur et directeur du Centre de recherche en infectiologie de L'Université Laval, l' un des plus importants au monde dans le domaine des maladies infectieuses. Il est l' auteur de 387 publications scientifiques et a donné plus de 350 conférences à l' échelle nationale et internationale. Il a été co-fondateur et président de plusieurs sociétés scientifiques et a siégé sur des comités prestigieux (SRAS, Santé Canada, VIH, Wellcome Trust). Grâce à ses recherches sur l'ADN, il est possible d'identifier certains microbes responsables d'infections en 1 heure au lieu de 48 heures. Il a également développé un gel vaginal microbicide qui devrait protéger les femmes contre le VIH/SIDA, MTS et possiblement le cancer du col. L'impact de ses découvertes en pratique médicale et en santé publique, qui est déjà perceptible, pourrait devenir considérable.

## ALAN BERNSTEIN

Alan Bernstein is the inaugural President of the Canadian Institutes of Health Research (CIHR), Canada's lead agency for the support of health research. An internationally respected researcher, mentor and scientific leader, he has made key contributions to our understanding of embryonic development, blood cells development and cancer. Prior to his appointment at CIHR in 2000, he was Director of Research at the Samuel Lunenfeld Research Institute of Mount Sinai Hospital from 1994-2000 and Professor in the Department of Molecular and Medical Genetics at the University of Toronto, where he is a Senior Fellow, Massey College. Dr. Bernstein has received numerous awards.

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## **ALLAN BEST**

Allan Best is Senior Scientist in the Vancouver Coastal Health Research Institute, and Clinical Professor, Health Care and Epidemiology at UBC. His career focus is integration of behavioural and social science research into health services innovation. Dr. Best was founding Chair of the world's first interdisciplinary department focused on health promotion. He received the O. Harold's Warwick prize for outstanding contributions to cancer control and has been elected Fellow by the Canadian Psychological Association, Society of Behavioral Medicine and American Psychological Association. Dr. Best became President of the new Canadian Association for Health Services and Policy Research in May 2005.

## **JOHN BIENENSTOCK**

John Bienenstock is former Dean and Vice-president of Health Sciences at McMaster University, member of Order of Canada and Fellow of the Royal Society of Canada. He has been President of the Canadian Society for Immunology, the Society of Mucosal Immunology and most recently the Collegium Internationale Allergologicum. He has published and edited several books on mucosal immunology and neuroimmunology and is author or coauthor of over 350 publications. He acts as Chair of the Scientific Advisory Committee for International Medical Innovations Inc., and serves on the Board of ProMetic Life Sciences Inc. He is currently the Founding Director of the Brain-Body Institute at St. Joseph's Healthcare Hamilton.

## **JOAN BOTTORFF**

Joan Bottorff is one of Canada's leading scientists in the field of health behavior. She is currently the Dean of the Faculty of Health and Social Development, University of British Columbia Okanagan, and has been the recipient of a UBC Distinguished University Scholar Award and a CIHR Investigator Award. She co-leads two very successful research units and has developed active research programs in tobacco control, cancer screening and health promotion. As a leader in the field of genetic nursing, Dr. Bottorff is also collaborating on projects to examine psychosocial issues related to genetic testing. Dr. Bottorff is well known for her expertise in qualitative research methods.

## **MICHEL BOUVIER**

Michel Bouvier is an internationally renowned molecular pharmacologist who published extensively (more than 150 papers) on cell signaling through the largest class of therapeutic targets, the G protein-coupled receptors. His pioneering work on inverse agonism and on the role of receptor oligomerization directly impacts on the drug discovery process. He received numerous awards and currently holds the Canada research Chair in Signal Transduction and Molecular Pharmacology. He has been the president of Canadian Hypertension Society (1997-1998), the Chair of the Department of Biochemistry at the Université de Montréal (1997-2005) and is currently the Director of the Groupe de Recherche Universitaire sur le Médicamento at U de Montréal. He also serves on many scientific advisory boards.

## **M. IAN BOWMER**

Ian Bowmer is professor of medicine (infectious diseases) at Memorial University of Newfoundland and was dean of the faculty until December 2003. In January of 2004 he became one of 13 non-governmental appointees to the Health Council of Canada. He joined the Memorial faculty in 1975 and practices infectious disease and HIV care in the Health Care Corporation of St. John's. He was President of the Medical Council of Canada in 1991 and a member of the Council of the Royal

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College of Physicians and Surgeons of Canada from 1993 to 2003. In 1994 he became the first chair of the new regionalized community health board–Community Health St. John's Region. He is a recipient of Canada's 125th Confederation medal and in 2003 he was elected to the Royal College of Physicians, London. He also received the Medical Council of Canada's 2004 Louis Lavasasseur award for contributions to medical education. He graduated from McGill University in 1969 and completed an internal medicine residency and MRC Fellowship in microbiology.

## **MANUEL BUCHWALD**

Manuel Buchwald served as the Chief of Research at The Hospital for Sick Children, one of the premier research hospitals in the world, where he introduced a new matrix structure to bring together scientists from disparate disciplines and professions. He is one of the co-discoverers of the Cystic Fibrosis gene, a milestone in human genetics research. Dr. Buchwald also transformed research in Fanconi anemia by defining its genetic heterogeneity and cloning the first gene. Dr. Buchwald is an Officer of the Order of Canada and a Fellow of the Royal Society of Canada.

## **HELEN BURT**

Helen Burt holds the Angiotech Professorship in Drug Delivery and is Associate Dean for Research and Graduate Studies in the Faculty of Pharmaceutical Sciences at UBC. Her research interests are novel controlled release delivery systems for drugs and the mechanisms of crystal induced inflammatory arthritis. Her work is supported by grants from CIHR and other sources and she has supervised over 30 research trainees. She recently completed a 3 year term as the CIHR and Michael Smith Foundation for Health Research Coordinator in the VP Research Office at UBC and worked with a team to create new programs to support health research at UBC.

## **JOHN CAIRNS**

John Cairns is Professor of Medicine at the University of British Columbia and former Dean of Medicine there. He has conducted research focused on the modification and non-invasive measurement of myocardial infarction size in humans and dogs and on acute ischemic syndromes including antithrombotic therapies, coronary care utilization, and postmyocardial infarction arrhythmias. He has held a number of academic leadership roles, including Chair of Medicine, McMaster University and Dean of Medicine, UBC (1996–2003), where he worked closely with UBC and the provincial government to build the rationale and plans for expansion of the Medical School, now underway in partnership with the Universities of Victoria and Northern BC. He is presently serving as Project Leader of the CIHR Clinical research Initiative, directed at strengthening Canada's endeavor in clinical research.

## **DONALD CALNE**

Donald Calne is Professor of Neurology at the University of British Columbia where he served as Director of the Neurodegenerative Disorders Centre from 1991–2001. In July 1999 he chaired the World Federation of Neurology's XIIIth Congress on Parkinson's Disease and in 2001, was elected chair of the World Federation of Neurology Research Committee on Parkinsonism and Related Disorders. Dr. Calne is the founding editor of the journal Parkinsonism and Related Disorders and has received numerous awards for his contributions including Officer of the Order of Canada, the Frederic Newton Gisborne Starr Medal from the Canadian Medical Association, the Research Prize for Movement Disorders from the American Academy of Neurology, Fellow of the Royal Society of Canada, and the degree of Doctor of Science Degree, honoris causa, from the University of British Columbia.

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## SERGE CARRIÈRE

Serge Carrière is now active in the Biotechnology sector following a distinguished career in academic medicine. He previously served as head of the department of Physiology and then, Head of Medicine at the University of Montreal. From 1983 to 1988, he was the President of the Fonds de la recherche en santé du Québec. Dr. Carrière's last position before retirement in 1995 was as the Dean of the University of Montreal Medical School. His academic career is now followed by activities in the Biotechnology sector by participating in the starting up of new enterprises and venture capital funds, particularly the Canadian Medical Discovery Fund which he presided since its inception. Dr. Carrière serves on the Board of a number of Biotech companies and also on not-for-profit organizations linked to bio research. He is the recipient of many awards and honours, including the G. Malcolm Brown Award (1991) and the Order of Canada (1998).

## S. GEORGE CARRUTHERS

George Carruthers is an internist, clinical pharmacologist and hypertension specialist who has pursued excellence in therapeutics through patient care, education, research and pharmaceutical policy. He has served government and related agencies such as PMPRB, pharmaceutical company advisory boards and the legal profession on a range of drug-related issues, and has promoted the disciplines of clinical pharmacology and hypertension through leadership in national specialty societies. Dr. Carruthers has encouraged content expertise through the formal accreditation of North American training programs and practitioner standards, and has fostered funding collaborations with public and corporate research bodies, enabling the training of future practitioners.

## CAROL CASS

Carol Cass became Director of the Cross Cancer Institute (the tertiary cancer centre serving Edmonton and northern Alberta) in 2003 after having served as Associate Director – Research from 1996–2003. Dr. Cass has played a significant leadership role in academic oncology in the Faculty of Medicine & Dentistry at the University of Alberta. She was the founding Chair of the Department of Oncology. Dr. Cass received a Tier I Canada Research Chair in 2001. She has served as numerous panels, including the Gairdner Foundation Medical Advisory Board, the Institute Advisory Board of the CIHR Institute of Cancer Research and the selection committee for the Canadian Medical Hall of Fame. She received the AHFMR Twenty Years of Excellence Award in 2001, Fellowship in the Royal Society of Canada in 2002, and the Province of Alberta's Centenary Medal in 2005.

## VINCENT CASTELLUCCI

Vincent Castellucci is the Biology and Assistant Dean of Research, Faculty of Medicine at the Université de Montréal. His major research interest is how the nervous system is modified by experience and learning. He collaborated for 20 years with Dr. Eric R. Kandel, Nobel Prize winner for physiology and medicine in the year 2000 and used the marine mollusc *Aplysia californica* as a model system to study the physiological changes associated with behavioural modifications. Based on this research he developed a model of experimentation to study the cellular and molecular mechanisms of neurological changes underlying learning and memory. Its experimental model makes it possible to observe the changes which occur in the structure of neurons when information is stored for the transition between short-term and long-term memory. He received the Premio Internazionale Maria Luisa Ferrari Soave e Dottore Luigi Soave from the Science Academy of Torino (Italy) and the Prix Marcel-Piché from the Institut de recherches cliniques de Montréal.



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## **TIMOTHY CAULFIELD**

For more than a decade, Timothy Caulfield has been a leader in the field of health law, particularly in the area of biotechnology policy. He has published well over one hundred peer reviewed articles and dozens of book chapters and edited collections. He has served on a wide variety of national and international policy committees, including the Canadian Biotechnology Advisory Committee, the OECD, and Genome Canada's Science Advisory Board. He has organized and Chaired national conferences and symposiums, and has built a unique and productive interdisciplinary research team. Professor Caulfield's work has been referenced by the Supreme Court of Canada and numerous national commissions and Parliamentary committees and is often drawn on by the popular press.

## **SYLVAIN CHEMTOB**

Sylvain Chemtob is a neonatologist and pharmacologist, and professor of Pediatrics, with joint appointments in Pharmacology and Ophthalmology at Université de Montréal. His research is focused on reactive oxygen species and lipid mediators in ischemic neuropathies (eg. retinopathy of prematurity, stroke) with emphasis on the developing subject. He pioneered the concept of functional nuclear G protein-coupled receptors. He has also developed two powerful rationale drug design platform technologies enabling the rapid generation of antagonists to cell surface proteins (receptors, channels, etc); this has resulted in 2 spin-off companies (Pharma-G, Alloster Pharmaceuticals), and licensing of compounds. He is author of more than 160 articles reported in major journals, as well as inventor of 7 patents.

## **RAY CHIU**

Ray Chu-Jeng Chiu is a Professor of Surgery and Chair Emeritus of the Division of Cardiothoracic Surgery at McGill University. He is a pioneer in many surgical techniques and physiology in cardiac surgery, such as the spiral vena cava graft, retrograde coronary sinus cardioplegia, dynamic cardiomyoplasty and stem cell transplantation for heart failure. He has published over 300 scientific papers and 7 books, been invited for 188 lectureships worldwide and received several prizes. He is a member of many prestigious Surgical Associations and serves on numerous Editorial and Scientific Advisory Boards in Canada, US, Asia and Europe.

## **ANTHONY CHOW**

Anthony Chow is currently Professor of Medicine, Director of the MD/PhD Program and Director of the CIHR-UBC Strategic Training Program for Translational Research in Infectious Diseases at the University of British Columbia. Dr. Chow has authored over 350 papers and book chapters on various aspects of infectious disease clinical syndromes, diagnosis, and treatment. He is a former member of the Antimicrobial Use and Clinical Trials Committee of the Infectious Disease Society of America and a past chair of the FDA Antibiotic Review Group. He also served as the Chair of the Grants and Awards Committee of the Canadian Society of Infectious Diseases, and was a Councilor of the Canadian Society for Clinical Investigation.

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## MICHEL CHRÉTIEN

Michel Chrétien is currently Professor of Medicine at the University of Ottawa and Program Director, Diseases of Aging, Ottawa Health Research Institute. Previously, he was scientific director of the IRCM and the Loeb Institute. Dr. Chrétien has made major contributions including the prohormone theory, subsequently applied to neuropeptides, growth factors, receptors, enzymes, adhesion molecules, viral glycoproteins, bacterial toxins and transcription factors. He also discovered the important proprotein convertases. It is estimated that 10-15% of the genome codes for convertase substrates, some of which will be implicated in hypercholesterolemia, arteriosclerosis, cancer, obesity, diabetes, Alzheimer and viral disorders (SARS, Flu and HIV/AIDS). Holder of 5 DSc. Honoris Causa (France, Belgium & Canada), he received the Killam and McLaughlin Prizes, the R&D Medal, the Friesen, Boehringer-Mannheim and Manning awards. He is also Fellow of AAAS and received the Fuller Albright and the Metzger awards. He is a member of the Order of Canada and l' Ordre national du Québec. In 2004, he became Chevalier de la Légion d'Honneur de France.

## M. THOMAS CLANDININ

Tom Clandinin's outstanding contributions to nutritional science have improved the health of infants around the world, and pioneered a new field of study on the effects of dietary essential fatty acids in infant development. His groundbreaking science resulted in a fundamental shift in the understanding of the relationship between dietary fat and a wide variety of disease mechanisms encompassing diabetes, heart disease, childhood obesity and cancer. An internationally acclaimed leader in several areas of research, who is never afraid to relentlessly question existing dogma, his work has profoundly influenced not only scientific understanding but also public policy.

## JOHN CONLY

John Conly is Professor and Head of the Department of Medicine for the University of Calgary, a past member of the National Advisory Committee on Immunization, a member of the National Steering Committee on Infection Control Guidelines, a founding Co-Chair of the Canadian Hospital Epidemiology Committee, a Past-President of the Canadian Infectious Disease Society and is currently Chairman of the Board of Directors of the Canadian Committee on Antibiotic Resistance. A past recipient of the CSCI Young Investigator Award, he has published over 150 papers with a focus on antimicrobial resistance, the prevention of hospital infections, and optimal antimicrobial utilization.

## ANDRE-PIERRE CONTANDRIOPOULOS

André-Pierre Contandriopoulos, économiste de formation, est professeur titulaire au département d'Administration de la santé de l'Université de Montréal dont il fut le directeur pendant huit ans (1992- 2000) ainsi que chercheur au Groupe de Recherche Interdisciplinaire en Santé (GRIS) dont il est le fondateur et a assumé sa direction pendant quatorze ans (1977-91). Il a également été directeur du programme de Ph.D. en santé publique (1978-1985). Ses domaines d'expertise sont : les systèmes de santé, la main-d'oeuvre médicale, l'évaluation, la santé des populations. Il a participé à plusieurs groupes de travail (Commission Rochon, Forum National sur la Santé, l'Institut Canadien de Recherche Avancée). Il est membre de la Société Royale du Canada et de l'Académie des Sciences Médicales de Roumanie. Il a reçu, en 2001, le prix pour l'avancement de la recherche sur les services de santé de la FCRSS.

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## **ALASTAIR CRIBB**

Alastair Cribb was named as the founding Dean of the Faculty of Veterinary Medicine, University of Calgary in May, 2006. Prior to that, he was a Professor of clinical pharmacology and Director of the Laboratory for Comparative Pharmacogenetics at the University of PEI for ten years. He was the founding Director of the PEI Health Research Institute and an adjunct professor in the Department of Pharmacology at Dalhousie University. Dr. Cribb's research focuses on the molecular and genetic mechanisms of adverse drug reactions and susceptibility to breast cancer. He has been a member of CIHR Governing Council for five years. He was a MRC Scholar and held a Canada Research Chair in Comparative Pharmacology and Toxicology. His work has been funded by the CIHR, CBCRI, CFI, and other funding sources.

## **RICHARD CRUESS**

Richard L. Cruess is Professor of Orthopedic Surgery, as well as a Member of the Centre for Medical Education at McGill University. He previously served as Chair of Orthopedics (1976-1981), and Dean of the Faculty of Medicine at McGill University (1981-1995), and as President of the Association of Canadian Medical Colleges (1992-1994). He is an Officer of The Order of Canada and of L'Ordre National du Québec. Since 1995, he has carried out independent research on professionalism in medicine.

## **MAX CYNADER**

Max Cynader, a Canada Research Chair in Brain Development, is Director of the Brain Research Centre, the largest neuroscience research enterprise in Canada. He is also one of Canada's leading neuroscientists. His work focuses on understanding the processing performed by the cerebral cortex, and on the molecular mechanisms underlying the development and adaptability of the cortex. His work has been widely cited and recognized, and he has received many academic honours. In addition, he has been instrumental in fostering community outreach, providing public policy advice, organizing international research initiatives, implementing training programs, and supporting the development of entrepreneurial activities.

## **ABDALLAH DAAR**

Abdallah Daar is a founder of the world-renowned Canadian Program on Genomics and Global Health, which over 5 years has received \$50 M in research grants, including from Gates Foundation's Grand Challenges program. Daar holds the world record for performing the youngest kidney transplant. He is a biomedical scientist, bioethicist and global health expert working with WHO, UNESCO (Laureate of its 2005-6 Avicenna Prize) and the African Union. One of Canada's most innovative researchers, Daar has over 300 publications and has trained over 100 graduate students. His research is aimed at alleviating global health inequities through harnessing of life sciences.

## **DALE DAUPHINEE**

Dale Dauphinee is Executive Director of the Medical Council of Canada. He has held a number of positions at McGill University including Associate Dean of Medicine for Medical Education (1978-1984); Director of the Center for Medical Education (1979- 1993); Physician-in-Chief at the Royal Victoria Hospital (1987-1993) and Chair of the Department of Medicine at McGill (1990-1993). Dr. Dauphinee's research has focused on clinical assessment and health outcomes, as they relate to drug therapy and medical education. He has been President of several medical societies, received the distinguished service award of the Canadian Association for Medical Education (CAME); and the John P. Hubbard Award.

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## JEAN DAVIGNON

Jean Davignon is Director of the Hyperlipidemia and Atherosclerosis Research Group of the Clinical Research Institute of Montreal (IRCM), Emeritus Physician of the Hôtel-Dieu Hospital of Montreal, Professor of the Faculty of Medicine at the University of Montreal and Adjunct Professor of the Department of Experimental Medicine at McGill University. Dr. Davignon's research focuses on hyperlipidemia, atherosclerosis, lipid-lowering agents and the nutritional aspects of cardiovascular diseases. This extensive research has resulted in the publication of several hundred scientific articles. He is a founding member of the Canadian Atherosclerosis Society, the Canadian Association for Familial Hypercholesterolemia and the Canadian Institute of Academic Medicine, and a member of the CIHR Governing Council. Dr. Davignon is a recipient of the FNG Starr Award of the Canadian Medical Association, of a Doctorate Honoris Causa of the University Paul Sabatier in Paris, the Wilder Penfield Award 2000, the Michel Sarrazin award and Fellowship in the Royal Society of Canada.

## DAVE DAVIS

Dave Davis is a Professor in the Departments of Health Policy, Management and Evaluation and Family and Community Medicine, Faculty of Medicine, University of Toronto, Canada and is the leader of the Knowledge Translation Program of the Faculty. His interests have focused on continuing medical education. Dr. Davis has served as chair of the CME Committee of the Ontario Council of the Faculties of Medicine; president of the Standing Committee on CME for the Association of Canadian Medical Colleges; the president of the Alliance for CME, the largest organization of CME providers in the US and Canada; the president of the Society for Academic CME. He has authored over 100 articles, monographs and chapters, and co-edited two books on CME, and has been a speaker, workshop leader and consultant on four continents.

## JACQUES DE CHAMPLAIN

Jacques de Champlain is Emeritus and Research Professor in the Departments of Physiology and Medicine at the Université de Montréal. He has made several contributions to the understanding of the role of the renin-angiotensin and autonomic nervous systems as well as the role of oxidative stress in experimental models of hypertension and in human hypertension. He was also founding member and president of the Canadian and the Quebec Hypertension Societies and president of CSCI. He has published more than 300 papers and book chapters. He is the recipient of numerous honors and prizes including the titles of Officer of the Order of Canada and the Order of Quebec, as well as Fellow of the Royal Society of Canada, the Izaak Walton Killam Prize from the Canada Council, the McLaughlin Medal from the Royal Society of Canada, the Wilder-Penfield Prize from the Province of Quebec, the Merck-Sharp and Dohme International Award from the International Society of Hypertension and Career Achievement Awards from the Canadian Hypertension Society, the Canadian Cardiovascular Society, L'Association des médecins de langue française du Canada and from Le Club de recherches cliniques du Québec.

## LESLEY DEGNER

Lesley Degner is an internationally recognized scholar in the field of patient involvement in treatment decision making. In 1987, she published *Life-Death Decisions in Health Care*, a groundbreaking book outlining factors that influence the way treatment decisions are made for patients with life-threatening illnesses. This grounded theory formed the basis for Dr. Degner's subsequent development of the Control Preferences Scale and the Information Needs Scale, measurement tools now used by investigators internationally. Dr. Degner's research into informational needs, decisional preferences and meaning of illness in women with breast cancer also included comparative studies in

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England and Sweden, contributing to our knowledge about how country and culture influence the reactions of cancer patients.

## **JOHANNE DESROSIER**

Johanne Desrosiers contribue au développement du Centre de recherche sur le vieillissement de l'Institut universitaire de gériatrie de Sherbrooke. Durant plusieurs années, elle a coordonné les travaux de l'axe de réadaptation gériatrique de ce centre et est depuis 1999 directrice adjointe à la recherche clinique, ce qui lui confère une bonne connaissance des enjeux associés à la recherche sur le vieillissement. Les travaux de recherche de la Dre Desrosiers visent principalement à améliorer les interventions de réadaptation offertes aux aînés et à mieux comprendre les facteurs associés à leur engagement dans les activités courantes et les rôles sociaux à la suite de la survenue d'incapacités.

## **NARANJAN DHALLA**

Naranjan S. Dhalla is a Distinguished Professor and Director of Cardiovascular Developments at the University of Manitoba's Institute of Cardiovascular Sciences at the St. Boniface General Hospital in Winnipeg. He is currently serving as Executive Director of the International Academy of Cardiovascular Sciences and Editor-in-Chief of a major medical journal, *Molecular and Cellular Biochemistry*. He served both as Secretary General and as President of the International Society for Heart Research for more than 20 years. His research in the field of cardiovascular pathophysiology over the years has had a major impact on the understanding of heart disease and its treatment. He has published more than 650 full length papers and edited or authored over 40 books. Dr. Dhalla has received more than 100 honours and awards including Fellowship of the Royal Society of Canada, Membership of the Order of Canada and Order of Manitoba, Honourary Degrees and Professorships from 5 Universities, Medal of Honour of the Canadian Medical Association and Research Achievement Award of the Canadian Cardiovascular Society, and the Citizen Hall of Fame in Winnipeg.

## **HENRY DINSDALE**

Henry Dinsdale undertook clinical and research training in neurology at the Maudsley Hospital and National Hospital, Queen Square, London and the Harvard Neurology Unit. He returned to Queen's where he was chair of Neurology, Professor and Head of Medicine and Associate Dean for Research. Dr. Dinsdale's main research interests and publications are in the area of stroke and the effects of high blood pressure on cerebral blood flow. Dr. Dinsdale was member of Council and Vice-president of the Medical Research Council, Past-President of the National Council on Ethics in Human Research and of the Royal College of Physicians and Surgeons of Canada, and a member of the Order of Canada.

## **JOHN DIRKS**

John Dirks is a Senior Fellow of Massey College and Professor Emeritus of Medicine at the University of Toronto. Dr. Dirks was Director of Nephrology, McGill (1965-76), Head, Department of Medicine, UBC (1976-87), Dean of Medicine, University of Toronto (1987- 91) and Dean-Rector, Aga Khan University, Pakistan (1994-96). Since 1993 he has been President of the Gairdner Foundation and has chaired the International Society of Nephrology Commission for the Global Advancement of Nephrology (COMGAN) since 1994. In 2005 he was awarded the Roscoe Robinson Award for excellence in teaching by the ISN and the International Medal by the National Kidney Foundation, USA. He has published 145 peer-reviewed papers and is a Fellow of The Royal Society of Canada (1982).

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## IAN DOHOO

Ian Dohoo is Professor of Health Management in the Atlantic Veterinary College Charlottetown. He is a leading international figure in veterinary epidemiology and population-based health research. His extensive publication and graduate student supervision record, combined with authorship of the leading graduate level text in the field (*Veterinary Epidemiologic Research*), have established his reputation. He led the development of the internationally recognized research program in veterinary epidemiology at the Atlantic Veterinary College and pioneered the development of computer-based animal health surveillance expertise in the region. He led the CVMA expert panel on bovine growth hormone and has served as President of the Canadian Association of Veterinary Epidemiology and Preventive Medicine. He has received numerous teaching and research awards and is a sought after internationally as a teacher of graduate level epidemiology courses.

## DIANE DORAN

Diane Doran is Professor and Associate Dean of Research, Faculty of Nursing, University of Toronto. She has earned an international reputation for research focusing on the evaluation of methods for improving the quality of nursing practice, and the measurement of nursing sensitive patient outcomes. She recently edited a seminal book on the subject and is now engaged in an innovative investigation into the use of handheld devices to improve nurses' utilization of health information at the point-of-care in collaboration with partners from computer science and industry. Dr. Doran is a recipient of Ontario Premier's Research Excellence Award.

## JAMES DOSMAN

James Dosman was the first head of the Division of Respiratory Medicine at the University of Saskatchewan. In 1986, he was instrumental in creating the Centre for Agricultural Medicine to do research and carry out programs relevant to the health of Saskatchewan farmers. He has served as director of the Centre since its inception and has expanded and diversified its programs to the point in 2001 when, under his leadership, it became the Institute of Agricultural, Rural and Environmental Health. Dr. Dosman has published 7 edited books and 140 scientific publications in areas related to lung trouble in agriculture. He was instrumental in forming the Agricultural Health and Safety Network in Saskatchewan in which individual farm families receive occupational health information services. There are 156 municipalities that now bring this program to more than 26,000 farm families in Saskatchewan.

## ANDREE DURIEUX-SMITH

Andrée Durieux-Smith is Professor and Vice-Dean, in the Faculty of Health Sciences at the University of Ottawa. She was the founding director of the Audiology department at the Children's Hospital of Eastern Ontario (CHEO) (1974), the founding director of the graduate program in Audiology and Speech-Language Pathology at the University of Ottawa and a founding member of the CHEO Research Institute. Since 1981, she has been carrying out externally funded research in the area of childhood hearing impairment. She is a past-president of CASLPA and has participated in numerous federal taskforces and working groups. Recently she was co-chair of the Canadian Working Group on Childhood Hearing (Public Health Agency of Canada). For her research, she has received awards from the American Auditory Society and the Canadian Association of Speech Language Pathologists and Audiologists (CASLPA).

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## **MOSTAFA ELHILALI**

Mostafa M. Elhilali is Professor and Chairman Department of Surgery, McGill University and Surgeon-in-Chief, McGill University Health Centre. He previously served as Chair, Department of Urology, Sherbrooke University between 1969 -1982, and Professor and Chair of Urology, McGill University until 2004. He has authored over 200 peer reviewed publications, 16 chapters and supervised 44 postgraduate students. He has served as President of the Canadian Urological Association, President of the Northeastern Section of the American Urological Association, Secretary General of the Société Internationale d'Urologie from 1998 till present time. Dr. Elhilali has received numerous awards including the Gold Medal-Egyptian Urological Association, Life Achievement Awards from the Canadian Urological Association and the American Urological Association, and Officer of the Order of Canada (2002).

## **ROBERT EVANS**

Robert Evans is Professor of Economics and Health Care and Epidemiology at the University of British Columbia, and is one of the world's leading health economists. As a distinguished scholar, he has conducted groundbreaking comparative studies of various health care systems and funding strategies. His book on the subject, *Strained Mercy: The Economics of Canadian Health Care* is considered a classic. He has made an enormous contribution to our understanding of the socioeconomic determinants of health as the founding director of the Program in Population Health at the Canadian Institute for Advanced Research. His work has helped shape policy in Canada and his insight has been sought by governments and health agencies internationally. Dr. Evans is a Fellow of the Royal Society of Canada and an Officer in the Order of Canada.

## **THOMAS FEASBY**

Tom Feasby graduated from the University of Manitoba and trained in neurology at the University of Western Ontario. He is a neuro-muscular specialist and founded the Calgary Neuro-muscular and ALS Clinics. He has done leading research on nerve diseases and, recently, on the outcomes and appropriateness of both surgical and medical treatments. He helped build Canada's strongest clinical neuroscience department in Calgary, and in Edmonton, he helped create a new health services research centre called ICARE (Integrated Centre for Care Advancement Through Research) to use research to improve health care delivery.

## **B. BRETT FINLAY**

B. Brett Finlay is a Professor in the Michael Smith Laboratories, and the Departments of Biochemistry and Molecular Biology, and Microbiology and Immunology at the University of British Columbia. Dr. Finlay's research interests are focused on host-pathogen interactions at the molecular level. He has won several prestigious awards including the E.W.R. Steacie Prize, the CSM Fisher Scientific Award, a MRC Scientist, four Howard Hughes International Research Scholar Awards, a CIHR Distinguished Investigator, BC Biotech Innovation Award, the Michael Smith Health Research Prize, the IDSA Squibb award, is a Fellow of the Royal Society of Canada and the UBC Peter Wall Distinguished Professor.

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## JEAN-CLAUDE FOREST

Médecin biochimiste, Jean-Claude Forest mène une carrière académique remarquable à titre de chercheur, de clinicien, d'enseignant et de gestionnaire. Ses intérêts de recherche concernent principalement le développement de marqueurs biologiques pour le dépistage et le diagnostic de conditions associées à la grossesse et à la période néonatale. Ses travaux ont mené à 103 publications, plus de 230 communications, 3 brevets. Le Dr Forest a présidé l'Association des médecins biochimistes du Québec, la Société canadienne des clinico-chimistes et le Comité exécutif de la Division scientifique de la Fédération internationale de chimie clinique et de médecine de laboratoire. Il est actuellement président de la Commission de la Recherche de l'Université Laval et directeur scientifique intérimaire du Centre de recherche du Centre hospitalier universitaire de Québec.

## YVES FRADET

Yves Fradet is co-founder of DiagnoCure Inc. and a member of the Board of Directors since September 6, 1995. He graduated from Medical School at Laval University in 1976 and is member of the Royal College of Physicians and Surgeons of Canada since 1981. He has been full professor of surgery/urology at Laval University since 1992 and he is the chairman of the department of surgery since 2000. Dr. Fradet studied at the Memorial Sloan-Kettering Cancer Center in New York from 1981 to 1983, where he sub-specialized in urologic oncology. He is a member of several national and international associations and was the first Canadian member of the Urology Research Society. This society is limited to 100 members from all around the world admitted by invitation from the most recognized researchers in urology. He serves as consultant for numerous national and international organizations and he is a frequent invited speaker around the world. He was the founding President of the Canadian Urological Oncology Group, which conducts clinical trials in the field of genito-urinary cancers in Canada. He has published over 180 articles and more than 300 abstracts. Dr. Fradet is currently Senior Vice President and Chief Scientific Officer of DiagnoCure Inc.

## CYRIL FRANK

Cyril Frank is currently Professor and Chief of the Division of Orthopedics University of Calgary/Calgary Health Region, and is an orthopedic surgeon, educator, researcher and administrative leader. His research is focused on ligament injury and healing and he has a remarkable record of productivity in association with a multi-disciplinary group of dedicated investigators. He and his colleagues created the McCaig Centre for Joint Injury and Arthritis Research at the University of Calgary and he has been a leader in the development of the Alberta Bone and Joint Health Institute. In addition, Dr. Frank serves as the Scientific Director of the CIHR Institute of Musculoskeletal Health and Arthritis.

## JOHN W. FRANK

John W. Frank is a Professor in the Department of Public Health Sciences at the University of Toronto. He was the founding Director of Research at the Institute for Work & Health in Toronto from 1991 until 1997, and is currently a Senior Scientist there. Dr. Frank was a Scholar, and then a Fellow, with the Canadian Institute for Advanced Research Population Health Program, from 1987 to 2004. As a physician-epidemiologist, with special expertise in prevention, his main areas of interest are the biopsychosocial determinants of health status at the population level, and health in developing countries. John Frank's varied research interests are reflected in over 180 publications over the last 20 years. In December 2000, he was appointed Inaugural Scientific Director of the CIHR Institute of Population and Public Health.



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## HENRY FRIESEN

Henry Friesen's discovery of the human pituitary hormone prolactin and its role in health and disease, defining it as a major cause of infertility, and his collaborating with others in the introduction of new therapies have resulted in the effective treatment of tens of thousands of women worldwide. Dr. Friesen has published over 400 papers and mentored more than 80 post-doctoral fellows and graduate students. In the 1990's, Dr. Friesen served Canada with great distinction as the seventh President of the Medical Research Council of Canada and set the stage for its transformation into the Canadian Institutes of Health Research. He has received many distinguished awards, including a Gairdner Foundation International Award in 1977 and 2001, the McLaughlin Medal of the Royal Society of Canada, the Koch Medal: the highest award of the Endocrine Society, the Order of Canada (promoted to Companion in 2001), the Order of Manitoba, eight honorary degrees, and was inducted into the Canadian Medical Hall of Fame in 2001. He is also a Foreign Associate of the National Academy of Sciences, U.S.A.

## ABRAHAM FUKS

Abraham Fuchs is a Professor in the Departments of Medicine, Pathology and Oncology at McGill and is currently the Dean of the Faculty of Medicine. His research interests have included the immunogenetics of diabetes, tumour-associated antigens and cell adhesion molecules and ethical aspects of trials involving human subjects. He was Chairman of the Institutional Review Board at McGill for a number of years and has also had experience teaching immunology, molecular aspects of malignancy and research ethics. He has an ongoing scholarly interest in the language of medicine and its metaphoric structure.

## D. GRANT GALL

Grant Gall is an academic pediatric gastroenterologist who has been Dean of the Faculty of Medicine at the University of Calgary since 1997. He has had a very productive research career with both laboratory based and clinical studies published in excellent journals. He has been well funded and has attracted students, post-doctoral fellows and clinical fellows to his program. As Dean of the Faculty of Medicine he has led a major period of growth in the physical and human capacity of the Faculty.

## NICOLE GALLO-PAYET

Les approches variées utilisées dans les travaux de recherche du Pr Gallo-Payet ont permis d'apporter des contributions majeures aux connaissances à la frontière de deux disciplines : l'endocrinologie et les neurosciences. Le Professeur Nicole Gallo-Payet est en effet considérée par ses pairs comme l'un des plus grands chercheurs en neuroendocrinologie de sa génération. Elle est connue internationalement pour sa contribution majeure à la compréhension des mécanismes de régulation des cellules corticosurréaliennes. En particulier, ses travaux sur les modifications morphologiques et fonctionnelles de la glande surrénale humaine au cours du développement font autorité. Ensemble, ces contributions lui ont valu l'obtention d'une chaire de recherche du Canada, la Chaire en endocrinologie de la glande surrénale. Par ailleurs, le Professeur Nicole Gallo-Payet est l'un des grands artisans de la collaboration franco-canadienne en Neuroendocrinologie, comme en témoigne sa nomination, en 2004, en tant que Conférencier Jacques Benoit, la plus haute distinction de la Société de Neuroendocrinologie. Finalement, elle s'est toujours beaucoup investie dans le développement de l'enseignement gradué et le développement et la promotion de la recherche au Québec et au Canada, ce qui lui a valu d'être nommée vice-doyenne à la recherche en janvier 2004.

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## JACQUES GENEST

Jacques Genest completed his M.D. at his hometown university, the University of Montreal. Following post-doctoral work at Harvard, he continued clinical research work at Johns Hopkins University and the Rockefeller Institute. Returning to Canada, he became founder and scientific director of the Clinical Research Institute of Montreal. He became the pre-eminent Canadian investigator of the cause and treatment of high blood pressure, exploring the roles of the adrenal gland and the kidney. Genest and his colleagues encouraged hundreds of medical researchers to obtain post-graduate degrees from both McGill University and the University of Montreal, and to continue in careers of clinical research. A renowned researcher in his own right, and recipient of many honours, Genest was concerned with ethics in medicine and established a Bioethics Research Centre as part of the Clinical Research Institute. Dr. Genest was inducted as a Companion in the Order of Canada in 1968.

## PHIL GOLD

Phil Gold is the Douglas G. Cameron Professor of Medicine, and Professor of Physiology and Oncology, at McGill University. He has served as Chairman of the Department of Medicine at McGill and Physician-in-Chief at the Montreal General Hospital. He is presently the Executive Director of the Clinical Research Centre of the McGill University Health Centre. Dr. Gold's early research led to the discovery and definition of the Carcinoembryonic Antigen (CEA), for which he has been recognized nationally and internationally. Honours have included the Gairdner Foundation Annual International Award, the Isaac Killam Award in Medicine, and appointment as a Companion of the Order of Canada.

## LARRY GOLDENBERG

Larry Goldenberg is a dedicated surgeon and visionary leader who co-founded the Prostate Centre at VGH, the largest and most comprehensive prostate-specific research and treatment facility in Canada. An internationally renowned clinician and researcher, he was a pioneer in the use of intermittent hormone withdrawal, which is now considered a standard treatment option. He also developed a low dose antiandrogen/DES protocol that was the principal therapy used in BC for advanced prostate cancer until the mid-90's. His work has led to numerous clinical trials, with the promise of bringing innovative treatment alternatives to men with prostate cancer.

## HARRY L. GOLDSMITH

Harry Goldsmith is Professor of Physiology at McGill University. He joined the University Medical Clinic at the Montreal General Hospital in 1964, where he continues to do research using devices for visually observing the flow and interactions of human blood cells. Most recently, he has worked on the flow-induced formation and rupture of receptor-ligand bonds between neutrophils, and neutrophils and platelets. He was Director of the Division of Experimental Medicine from 1976 to 1995, and administered the Ph.D. program in Medicine. He teaches physiology students on the mechanics of blood flow and its relation to vascular diseases.

## DAVID GOLTZMAN

David Goltzman is Professor in the Departments of Medicine and Physiology of McGill University, Director of the McGill Centre for Bone and Periodontal Research, and Senior Physician in the Endocrine Division of the McGill University Health Centre (MUHC). Dr. Goltzman's research has focused on the hormonal regulation of calcium and skeletal homeostasis and the biology of the hormones, parathyroid hormone related peptide (PTHrP), parathyroid hormone (PTH), calcitonin and vitamin D. He has received the Prix André Lichtwitz of the Institut national en santé et recherche médicale, election to the American Association

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of Physicians, and election to Fellowship in the Royal Society of Canada. In 2000, he was named an Officer of the Order of Canada.

## **AVRUM GOTLIEB**

Avrum Gotlieb is an innovative and dedicated leader of academic laboratory medicine and pathology. He is an award winning teacher, excellent mentor, and a creative and productive cardiovascular researcher. His contributions to the promotion of health sciences include innovative leadership of a very large multidisciplinary university department that is recognized for the strong link its members have developed between quality teaching and creative high impact research on mechanisms of human disease. His leadership in Canadian and international scientific societies has an impact on the academic mission of health sciences and health care in Canada and globally.

## **PAUL GRAND'MAISON**

Paul Grand'Maison is Professor in Family medicine (Department head, 1988-1996) at Sherbrooke. He was Director of the Office of Medical Education (1984-1988; 1996-2000) and Undergraduate Medical Education Dean since 2002. His expertise includes faculty development, evaluation, community-based education, program management, and social accountability. An MCC board member and member of the committee on accreditation of Canadian medical schools since 1997, he was president of the Canadian Association for Medical Education (2000 -2002). He is a member of the executive committee of the international Network "Towards Unity for Health", an organization that promotes responsiveness in health development.

## **JEAN GRAY**

Jean Gray is Professor Emeritus, Medical Education, Medicine, and Pharmacology at Dalhousie University. Her research interests focused on clinical pharmacology (drug metabolism and human toxicology) as well as hypertension and women's health. She has also served as President of the Canadian Society for Clinical Investigation, the Canadian Society of Clinical Pharmacology, the American Society of Clinical Pharmacology and Therapeutics, the Canadian Association for Medical Education, the Canadian Institute of Academic Medicine and as Chair of the Standing Committees of both Postgraduate and Continuing Medical Education of the Association of Canadian Medical Colleges. She has just completed terms as Vice President of the Royal College and Chair of the Institute of Gender and Health Advisory Board (CIHR).

## **RONALD D. GUTTMANN**

Ronald D. Guttman is Emeritus Professor of Medicine and former Founding Director of the McGill University Centre for Clinical Immunobiology and Transplantation. He is a cofounder, Director, and Executive Vice President of Clinical and International Development, of BioMosaics Inc., a cancer biomarker company. Dr. Guttman was the Director of the first multidisciplinary Transplant Service in Canada at the Royal Victoria Hospital (1970). He is also a Director of the Institute of Policy Research in Medicine and Emerging-technologies (IPRIME). Dr. Guttman is an author of >310 original publications and has been an active consultant in the biomedical and biotechnology industry since 1985. He is a co-founder of and was the first President of the American Society of Transplantation, former Vice-president of The (International) Transplantation Society, President of the XVII World Congress of The Transplantation Society (Montreal 1998). His awards include the Distinguished Achievement Award of the American Society of Transplantation (1996), Lifetime Achievement Award of the Institute of Kidney Diseases and Research Centre, Ahmedabad, India (1996), and the Lifetime Achievement Award of the Canadian Society of Transplantation (2001).

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## HARVEY GUYDA

John Guyda, Dodds Professor & Chair, Department of Pediatrics, McGi11 University and Pediatrician-in-Chief, McGi11 University Health Centre, was the first Pediatric Endocrinologist elected as Secretary-Treasurer and President of the Canadian Society of Endocrinology & Metabolism, receiving their Distinguished Service Award. He was Co-Chair of the Executive Committee of Canadian Health Research Institute for Mother, Child & Youth (CHRMCY), precursor to the CIHR Institute of Human Development and Child and Youth Health, serving on its Advisory Board. His research has included the first purification of an important human hormone prolactin; his clinical studies provided the basis for the accurate diagnosis of growth hormone deficiency in short children. He authored 170 publications, 45 book chapters, co-edited a textbook on Pediatric Endocrinology, with 230 scientific presentations worldwide. He has been a Visiting Professor in Edmonton, Ottawa, Paris, Havana, Jerusalem, Helsinki, Tokyo and Hong Kong.

## CARLTON GYLES

Carlton Gyles is a distinguished Professor of Veterinary Pathobiology at the University of Guelph who has made a lifetime of outstanding contributions to understanding how *Escherichia coli* causes disease in animals and people. He is one of the world's authorities on this topic and has been sought after throughout his career as an advisor for graduate students, many of whom have gone on to their own distinguished careers. His advocacy for science and the wise counsel for which he is known is shown in his ongoing leadership role in the Canadian Research Network on Bacterial Diseases of Swine and in the Canadian Research Institute for Food Safety.

## VLADIMIR HACHINSKI

Vladimir Hachinski of the University of Western Ontario pioneered the early treatment and prevention of stroke and cognitive disorders and discovered a crucial area in the brain that controls the heart. He also pioneered acute stroke units with J. W. Norris, and coined the term 'brain attack'. He also crystallized the concepts of 'vascular cognitive impairment' and 'multi-infarct dementia' and devised the simplest, most widely used method of diagnosing them (the Hachinski ischemic scale). He is currently working on developing a common approach to prevention of stroke and cognitive disorders like Alzheimer's disease and is Editor in Chief of Stroke, the leading publication in the field.

## ANTOINE HAKIM

Antoine Hakim has published extensively on the perfusion and metabolic aspects of stroke and the molecular determinants of ischemic brain injury. His major research accomplishments include a description of the ischemic penumbra, those brain regions that may be salvageable in a stroke, and thus contributed importantly to the era of acute stroke therapy that has resulted in effective new drugs becoming available to stroke patients. More recently, investigators across Canada asked Dr. Hakim to lead a proposal to establish a Network of Centres of Excellence in Stroke, which was approved in 1999. Dr. Hakim has actively promoted the interests of science to lead to better health for Canadians.

## JUDITH HALL

Judith G. Hall is Professor Emeritus and former Head of Pediatrics at the University of British Columbia. She is a pediatric clinical geneticist with a special interest in birth defects who has made contributions to all phases of academic and community life. Her research has been instrumental in recognizing the importance of natural history and non-traditional mechanisms

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of disease. She is sought after nationally and internationally as a speaker and for her clinical acumen related to syndromes and the genetic aspects of short stature. She has received numerous awards in recognition for her contributions and in 1998 was appointed an Officer of the Order of Canada for her contributions to the education of geneticists and her care of patients. She Chaired the First Assessment for the Canadian Institute of Academic Medicine (CIAM)/Canadian Academy of Health Science (CAHS). She is on the Science Committee of Council of Canadian Academies (CCA).

## **PHILLIP HALLORAN**

Philip Halloran is Professor of Medicine in the Division of Nephrology & Immunology at the University of Alberta, and is director of the Alberta Transplant Institute project. His research focuses on gene expression in transplanted organs, development of immunosuppressive therapy, and somatic cell senescence. He is Editor-in-Chief of the American Journal of Transplantation and chairman of the Board of Trustees of the Roche Organ Transplant Research Foundation. Dr. Halloran is an elected member of the American Society of Clinical Investigation, and is an Officer of the Order of Canada.

## **PAVEL HAMET**

Pavel Hamet is Professor of Medicine at l' Université de Montréal, and Director of Research at the Centre hospitalier de l' Université de Montréal (CHUM). He is the author and coauthor of over 425 scientific publications and holds several international patents. Dr. Hamet was President of the Canadian Hypertension Society and former General-Secretary of the International Society of Hypertension. He received the "Harry Goldblatt Award" from the American Heart Association in 1990, the Golden Medal of J.E. Purkyne of the Czech Academy of Sciences in 1994, the Distinguished Scientist Award of the Canadian Society for Clinical Investigation in 1996, and the Wilder-Penfield award from the Gouvernement du Québec in 2001. In February 2005, Dr. Hamet was appointed Honorary Member of the Czech Medical Academy.

## **J. RICHARD HAMILTON**

Richard Hamilton is Professor Emeritus and former Chair of Pediatrics at McGill University and former Chief Physician of the Montreal Children's Hospital. He founded the first Pediatric Gastroenterology Division in North America in 1966 at the Hospital for Sick Children in Toronto which subsequently trained 48 gastroenterologists. His research has focused on transport mechanisms in the intestine and he has co-edited 3 major texts. His interest in promoting strong health research in the developing world has led to his involvement in creating an International Network of Mother and Child Health scientists. Dr. Hamilton is a member of the Order of Canada.

## **DAVID F. HARDWICK**

David F. Hardwick is Professor Emeritus of Pediatrics and Pathology at the University of British Columbia where he has stimulated and guided the development of Academic Facilities and Programs at UBC for over 40 years. Dr. Hardwick was central to the creation of the Children's and Women's Hospital and related Research Institute and as Associate Dean, Research and Planning. During the 1990's, he focused research initiatives at the major teaching hospitals in Vancouver. His research has varied from the first description of histopathologic implications of differential survival of Wilms' Tumors to pathogenesis of L-methionine toxicity and administrative/management research. He is author of numerous papers, chapters and books and recipient of various awards, medals and other local, national and international acknowledgements.

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## SUSAN HARRIS

Susan R. Harris is Professor in the School of Rehabilitation Sciences, University of British Columbia, and Scientific Editor of Physiotherapy Canada. One of the leading physical therapist researchers in the world, Dr. Harris has received awards from the Canadian Physiotherapy Association and the American Physical Therapy Association as well as an Honorary Doctor of Science degree from the University of Indianapolis. Dr. Harris' research includes early diagnosis of cerebral palsy, effectiveness of early physical therapy for children with developmental disabilities, safe levels of exercise for women with breast cancer, and communication between persons with chronic illness and their health care providers.

## DAVID HAWKINS

David Hawkins was Executive Director of the Association of Faculties of Medicine of Canada (AFMC) and has been involved in every facet of academic medicine since beginning his medical studies. The author of more than 100 scientific publications, he has been President of the Canadian Society for Clinical Investigation, Interim President of the Medical Research Council of Canada and Dean of Medicine at Memorial University of Newfoundland. His honours include an endowed lectureship in health sciences research at Memorial (1993), Alumnus of the Year of the Dalhousie Medical Alumni Association (1995) and Distinguished Rheumatologist of the Year (2005) of the Canadian Rheumatology Association.

## MICHAEL HAYDEN

Michael Hayden is Professor, Department of Medical Genetics, UBC and Director of the Centre for Molecular Medicine and Therapeutics. He is one of Canada's foremost scientists and physicians in the field of human genetics and has obtained international recognition for both his scientific and clinical accomplishments. Author of over 400 peer-reviewed publications, his research has been instrumental in the fields of predictive testing for genetic disease, lipid metabolism, cardiovascular disorders and Huntington disease. Through his leadership and by his many achievements and discoveries, Dr. Hayden has made landmark contributions to the scientific research community, that continue to deliver significant impacts on medicine and human health care globally.

## REJEAN HEBERT

Réjean Hébert is Professor of Family Medicine and Dean of the Faculty of Medicine and Health Sciences at the Université de Sherbrooke. He was the founding Director of the Research Centre on Aging at Sherbrooke and the Quebec Research Network on Aging (FRSQ). He was also the founding Scientific Director of the CIHR Institute of Aging. His research has focused on the maintenance of autonomy in the elderly. In 2005, Dr. Hébert was awarded the joint prize of the Canadian and Quebec Associations of Occupational Therapists.

## CAROL HERBERT

Carol Herbert is Dean, Schulich School of Medicine & Dentistry at the University of Western Ontario. She was formerly Head of the UBC Department of Family Practice and was founding Head of the Division of Behavioural Medicine and a founder of the UBC Institute of Health Promotion Research. Her research interests are clinical health promotion and patient and physician decision-making. Dr. Herbert was a pioneer in providing services for sexually abused children and was founding co-director of the Sexual Assault Service for Vancouver. She is Co-Chair of Health Canada's National Expert Committee

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on Interprofessional Education for Collaborative Patient-Centered Practice and current President of the Association of Faculties of Medicine of Canada. Her awards include Queen's Jubilee Medal, UBC Faculty of Medicine 50th Anniversary Medal, UBC Wallace Wilson Alumni Award, UBC Faculty Citation for Community Service, and YWCA Woman of Distinction for Health and Social Services.

## **CLYDE HERTZMAN**

Clyde Hertzman is Professor, Department of Health Care and Epidemiology in the Faculty of Medicine at UBC. He is Canada's foremost scientist in population health and human development and leads the Human Early Learning Partnership, a pioneering network of more than 180 researchers and graduate students from BC's six universities. He is Canada Research Chair in Population Health and Human Development, a Fellow of the Canadian Institute for Advanced Research and Associate Director of the Centre for Health Services and Policy Research. Dr. Hertzman's work has shaped revolutionary advancements in our understanding of the determinants of health across the life span.

## **PHILIP HICKS**

Philip Hicks is President of the Nova Scotia Agricultural College. He served Canada abroad in a diplomatic capacity as S&T Counselor in the Tokyo Embassy in Japan. Prior to that he was Group Leader at NRC's Ottawa Institute for Biological Sciences, an R&D/management position he accepted following a productive academic career at universities in North Carolina (UNC-Greensboro) and Alberta (AHFMR Scholar, University of Calgary, Faculty of Medicine). Dr. Hicks has published over 100 scientific papers in areas of brain signaling, neural plasticity, amino acid receptor mechanisms and sensory pathways of the brain, edited books on health sciences, been frequently invited to speak publicly about science, sat on numerous journal editorial boards, won research excellence awards from Canada, USA, Japan and Germany, and been funded by many international granting agencies and industrial contracts.

## **WAYNE HINDMARSH**

Wayne Hindmarsh is currently Dean of the Leslie Dan Faculty of Pharmacy, University of Toronto. A Pharmacy educator/researcher and expert in clinical/forensic toxicology, he has published extensively in the field of neonatal toxicology, drug-drug interactions, development of sensitive analytical techniques for the detection of drugs of abuse and substance abuse. He is also the author of two books on drugs of abuse aimed at educating youth on the medical effects of these substances. Dr. Hindmarsh is a Fellow of the Canadian Society of Forensic Science, and a Member of Drugs & Driving Committee funded by the Department of Justice.

## **ELLEN HODNETT**

Ellen Hodnett is a Professor in the Faculty of Nursing at the University of Toronto and holds the first endowed chair in nursing research in Canada. She is an expert in the conduct of large international trials to answer important questions about the care of childbearing women and her research has led to new laws in two countries. She is an Editor for the Pregnancy and Childbirth Group of the International Cochrane Collaboration and was the first woman and first non-physician to chair the Clinical Trials Grants Review Committee for MRC/CIHR. Dr. Hodnett is also a member of the Scientific and Technical Advisory Group for the Maternal and Reproductive Health Program of the World Health Organization.

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## **JAMES C. HOGG**

James Hogg is an Emeritus Professor of Pathology at the University of British Columbia and former Vice President - Research of St. Paul's Hospital where he is an active investigator in the iCAPTURE center. He joined McGill University as an Assistant Professor of Pathology in 1971 and in 1977, he and Dr. Peter Pare moved to the University of British Columbia to set up a pulmonary research laboratory at St. Paul's Hospital. This laboratory became UBC's iCAPTURE center for cardiopulmonary research and currently has 20 fulltime investigators and a staff of nearly 200. Dr. Hogg's research relates the clinical features of lung disease to microscopic and molecular findings in lung tissue and his publications can be found in the New England Journal of Medicine and Lancet in 2004. Dr. Hogg is a Fellow of the Royal Society of Canada and became an Officer of the Order of Canada in 2005.

## **MARTIN HOLLENBERG**

Martin Hollenberg served at the University of Western Ontario (1965-1971), University of British Columbia (1971-1975) and at the University of Calgary as Department Head (1975-1978). He became Dean of the Faculty of Medicine at the University of Western Ontario in 1978. After completing his decanal term in 1985, he joined the University of Toronto, Faculty of Medicine as Department Head and then returned to UBC in 1990 for a second term as Dean of Medicine until 1996. His research has focused on the development and regeneration of the vertebrate retina and high-resolution scanning electron microscopy of mitochondria. He has approximately 50 peer reviewed publications in print and one in press on the Marco Polo, a famous sailing ship.

## **YVES JOANETTE**

Yves C. Joannette est un chercheur canadien de renom en neurosciences cognitives du vieillissement. Ses travaux sur les impacts des lésions cérébrales sur le langage font école sur la scène internationale et ont permis d'améliorer l'identification et la prise en charge des individus âgés avec troubles de la communication. Les travaux du Dr Joannette portent également sur les aspects cognitifs dans la maladie d'Alzheimer et sur les troubles légers de la cognition. Ses habiletés de rassembleur ont permis la mise en place d'une importante infrastructure en neuroimagerie fonctionnelle à l'Université de Montréal. Il participe activement à la redéfinition de l'Université afin de faire face aux défis de la recherche et de l'enseignement interdisciplinaires. Le Dr Joannette a formé de nombreux jeunes chercheurs et contribue régulièrement au transfert des connaissances en vue d'améliorer la qualité de vie des aînés.

## **JOY JOHNSON**

Joy Johnson is a Professor and Associate Director, Graduate Programs and Research in the School of Nursing at the University of British Columbia. She is an outstanding researcher and is viewed as one of the leading nurse scientists in Canada whose work in health promotion and disease prevention has attracted international attention. Dr. Johnson's research continues to make important contributions to our understanding of behaviour change, tobacco dependency, and health promotion. She has published widely in highly respected and high-impact journals and her numerous research awards testify to her outstanding achievements in health research.



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## **CELESTE JOHNSTON**

Celeste Johnston is James McGill Professor and Associate Director for Research at the McGill School of Nursing. She is a Nurse Scientist (Hon) at the McGill University Health Centre (Montreal) and the Isaac Walton Killam Children's Hospital (Halifax). She is Director of the Canadian Pain Coalition, Secretary of the Special Interest Group on Pain in Children of the International Association for the Study of Pain, and Past- President of the Canadian Pain Society. Dr. Johnston's research interests focus on non-pharmacologic interventions for pain in infants, with a particular focus on pre-term infants. Other areas include measurement of pain in infants and improving pain management practices by health care professionals.

## **JAWAHAR (JAY) KALRA**

Jawahar (Jay) Kalra is a Professor of Pathology in the University of Saskatchewan and has served as Head of the Department of Pathology and Head of the Department of Laboratory Medicine, Saskatoon District Health. He is a Fellow of the Royal College of Physicians and Surgeons of Canada, Canadian Academy of Clinical Biochemistry and a elected Fellow of the Royal Society of Medicine UK. Dr. Kalra has served as the President of the Canadian Association of Medical Biochemists, the Intersociety Council of Laboratory Medicine of Canada, the Canadian Chairs of Pathology and Laboratory Medicine and the Canadian Association of Pathologists. His major research area is oxidative stress in the pathogenesis of heart failure and ischemia-reperfusion injury. He has been a pioneer in establishing guidelines for thyroid-function testing besides being an advocate for quality care, patient safety and adverse event reduction, Dr. Kalra is actively involved in developing strategies for medical error disclosure.

## **GEORGE KARPATI**

George Karpati is the Isaac Walton Killam Chair and Professor of Neurology at the Montreal Neurological Institute (MNI) of McGill University. He is a Senior Neurologist at the Montreal Neurological Hospital (MNH) of the McGill University Health Center. Dr Karpati is an expert in the field of Neuromuscular Diseases and is in the forefront of gene therapy research. He has published 309 original peer-reviewed papers and chapters as well as co-authored 2 and edited 4 books in this field and has been on the editorial board of 10 relevant journals. He is the recipient of several distinctions and awards including the Order of Canada, the Ordre Nationale du Québec and Fellowship of the Royal Society of Canada.

## **NORAH KEATING**

Norah Keating is a Professor in the Department of Human Ecology, University of Alberta. She received an MA Psychology, University of Guelph, an MA and PhD from Syracuse University. With more than 100 publications, her research focuses on informal caregiving, seniors in rural areas, and the costs of care to adults with chronic illnesses and disability. Her research is having a profound impact on the health of Canadian families and the elderly. She is a member of many international research teams, Past President of the Canadian Association on Gerontology and Council Member for Canada on the International Association of Gerontology and Geriatrics.

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## **NUALA KENNY**

Nuala Kenny is internationally recognized as a medical educator and lecturer on fundamental ethics questions in health care and policy. After an extensive career in pediatrics and medical education Dr. Kenny founded the Department of Bioethics at Dalhousie in 1996 and now devotes herself to bioethics full-time. She was a founding member of the National Council for Bioethics in Human Research and has served on the Tri-Council Working Group on Revision of Guidelines for Research with Human Subjects and the National Science Advisory Board. She was Chair of the Values Committee of the Prime Minister's National Forum on Health and was a founding member of the Governing Council of CIHR. Dr. Kenny has received Honorary Doctorates from Mount Saint Vincent (1992), the Atlantic School of Theology (2000), Regis College, Toronto School of Theology (2000) and St. Francis Xavier University (2000). In 1999, she was appointed an Officer of the Order of Canada.

## **WILBERT J. KEON**

Wilbert J. Keon is a member of the Senate of Canada and presently is the Deputy Chair of the Senate Standing Committee on Social Affairs, Science and Technology. He was a practicing academic surgeon from 1969 to September 2001, and founded the University of Ottawa Heart Institute in 1969 where he was the Chief Executive Officer until April 2004. Dr. Keon was Professor and Chairman of the University of Ottawa Department Of Surgery for fifteen years and was the first Canadian surgeon to implant a total artificial heart as a bridge to transplant. Dr. Keon has held appointments and elected offices in 36 national and international professional associations including Past-President of the Canadian Cardiovascular Society and past Vice-President of the Medical Research Council of Canada. e has been honoured by his profession with numerous awards as well as by his country as an Officer of the Order of Canada.

## **KEVIN KEOUGH**

Kevin M. W. Keough is President and CEO of the Alberta Heritage Foundation for Medical Research and Adjunct Professor at Memorial University. Previously he was Chief Scientist at Health Canada, Vice-president (Research and International Relations), Head of Biochemistry and a Professor in Biochemistry and Pediatrics at Memorial. His research interests include the molecular organization and function in lipid-protein systems. He has made special contributions to understanding of the structure and function of lung surfactant. His senior national appointments include Deputy Chair of the Council of Science and Technology Advisors, Co-Chair of the Cana-European Union Science and Technology Agreement, Vice-president of MRC, Membership on the Interim Governing Council and Governing Council of CIHR, the Board of Directors of Genome Canada, the University Advisory Group to Industry Canada, the Advisory Group of the SRED program, the Newfoundland and Labrador Science Centre, and Boards of Directors of five R&D companies. He is the founder of NovaLipids Incorporated and is Past-President of three national professional organizations.

## **BARTHA KNOPPERS**

Bartha Maria Knoppers is Full Professor in the Faculties of Law and Medicine, Université de Montréal, Senior Researcher at the Centre de recherche en droit public (CRDP), and Canada Research Chair in Law and Medicine. Chair of the International Ethics Committee of the Human Genome Organization (HUGO) from 1996 to 2004, she was a member of the International Bioethics Committee of the UNESCO which drafted the Universal Declaration on the Human Genome and Human Rights

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(1993-97). She is Co-Founder of the International Institute of Research in Ethics and Biomedicine (IIREB) and of the Quebec Network of Applied Genetic Medicine (RMGA). In 2003, she founded and became Chair of the International Public Population Project in Genomics (P3G). Currently, she is on the Executive of the Canadian Stem Cell Network and is the Chair of the Ethics Task Force of the International Stem Cell Forum. She has received numerous awards including a Doctor of Laws Honoris Causa (University of Waterloo, 2002), Doctor of Medicine Honoris Causa (Université de Paris V (René Descartes)), Fellow of the American Association for the Advancement of Science, the Queen's Jubilee Medal, and Officer of the Order of Canada.

## **OTTO KUCHEL**

Otto Kuchel is Professor Emeritus of Medicine at the University of Montreal. He emigrated to Canada in 1968, became Professor of Medicine at the University of Montreal and an associate member of McGill University. His main research contributions concern neurohormonal relationships in cardiovascular diseases, particularly the autonomic nervous system role in hypertension. He made seminal contributions to our understanding of the role of dopamine in hypertension with important diagnostic and therapeutic implications. He has served in several research oriented roles including Vice Dean of Research, member of the NIH Hypertension Task force as well as external consultant of NIH and several scientific societies and drug companies.

## **FERNAND LABRIE**

Fernand Labrie previously held the position of president of Le Fonds de la recherche en Santé du Québec and is currently Director of the Laboratory of Molecular Endocrinology, and Director of Research at the Centre de recherche du Centre hospitalier de l'Université Laval. His research with LHRH agonists developed a procedure for medical castration that has replaced surgical castration for the past 25 years. Dr. Labrie also discovered the process of combined androgen blockade, the gold standard hormonal therapy for prostate cancer and the first treatment shown to prolong life in prostate cancer patients. He and his colleagues introduced and widely applied the field of intracrinology, pertaining to the local formation and action of sex steroids in peripheral tissues. Dr. Labrie is an Officer of the Order of Canada and the Order of Quebec.

## **JEAN-CLAUDE LACAILLE**

Jean-Claude Lacaille is professor of Physiology at the Université de Montréal. He was director of the Department of Physiology from 2001-05, and is a founding member of the Research Group on the Central Nervous System. He holds the Canada Research Chair in Cellular and Molecular Neurophysiology and his research focuses on understanding cortical network activity at cellular, molecular and genetic levels, with applications for learning, memory, and epilepsy. His laboratory is specialized in the use of electrophysiological, cellular imaging and molecular biological techniques in brain slices from normal and transgenic rodents to investigate the function of hippocampal neurons.

## **ANDRÉ LACROIX**

André Lacroix is Professor of Medicine at the University of Montreal and Chairman of the Department of Medicine at CHUM. He has been a member of the endocrinology division at Hôtel-Dieu Hospital and CHUM since 1980. He has a particular interest in adrenal disorders and his research focuses on the molecular pathophysiology and therapy of Cushing's syndrome.

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## **BERNARD LANGER**

Bernard Langer, while Head of the Division of General Surgery at the Toronto General Hospital, developed one of the leading academic hepatobiliary/pancreatic and liver transplant services in the world. As Chair of the Department of Surgery at the University of Toronto he created a formal training program (Surgeon Scientist Program) for academic surgeons that has been widely emulated. This program, plus the departmental practice plan which he began, created an environment that fostered and promoted research excellence. As a member of Council and President of the Royal College of Physicians and Surgeons of Canada, he was instrumental in the creation of the RCPSC Clinician Investigator Program and in the formation of the Canadian Patient Safety Institute. Dr. Langer was made an Officer of the Order of Canada in 2002.

## **ANDREAS LAUPACIS**

Andreas Laupacis is President and CEO of the Institute for Clinical Evaluative Sciences and Professor in the Departments of Medicine and Health Policy, Management and Evaluation at the University of Toronto. He is a general internist health services researcher who has conducted studies that established the effectiveness of cyclosporine in transplantation, erythropoietin in renal disease, hip arthroplasty, and antithrombotic therapy in atrial fibrillation. He articulated the concept of the number needed to treat, and has developed decision aids to help patients make decisions about their own health care. Dr. Laupacis has written extensively about pharmaceutical policy, and interacts with decision makers in an attempt to incorporate science into policy. He is Chair of the Canadian Expert Drug Advisory Committee.

## **MARY LAW**

Mary Law is Professor, Associate Dean (Health Sciences) and Director of the School of Rehabilitation Science at McMaster University. She holds the John and Margaret Lillie Chair in Childhood Disability Research and is currently Co-Director of CanChild Centre for Childhood Disability Research. Her current interests include development and validation of client-centered outcome measures, evaluation of occupational therapy interventions with children, the effect of environmental factors on the participation of children with disabilities in day to day activities, and transfer of research knowledge into practice. The author of 9 books, 33 book chapters, 88 articles, and over 290 presentations, she has also been Chair of the USA NIH Rehabilitation Research Committee and is co-editor of *Physical and Occupational Therapy in Pediatrics*. Dr. Law has received many honours including the Muriel Driver Lectureship, the top award in Canadian Occupational Therapy, the Whittaker Award for pediatric rehabilitation research and election to the American Occupational Therapy Foundation Academy of Research.

## **YVONNE LEFEBVRE**

Yvonne Lefebvre is the Vice President of Research and Academic Affairs at Providence Health Care, President of the Providence Research Institute (Vancouver) and an Assistant Dean, Faculty of Medicine, University of British Columbia. Dr. Lefebvre's research focus is steroid hormone action in breast and prostatic cancer, as well as in lymphoma and leukemia. She has had a longstanding interest in gender and equity issues in health research and education. Dr. Lefebvre has served on numerous national and international committees, is a Past President of the Canadian Biochemical and Molecular Biology Society and a member of the Advisory Board of the CIHR Institute of Gender and Health of the Canadian Institutes for Health Research. She received the Ottawa YWCA Women of Distinction Award for Research and Development in 1997 and the J. David Grimes Award for Scientific Achievement from the Loeb Institute in 1999.

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## WENDY LEVINSON

Wendy Levinson is a general internist who has served in leadership positions in academic medicine in the United States and Canada. She is currently the Chair of the Department of Medicine and the Sir John and Lady Eaton Professor at the University of Toronto. She served as President of the Society of General Internal Medicine in the United States. She is a member of the Executive Board of Directors of the American Board of Internal Medicine. Her research has focused on the importance of effective communication between physicians and patients and education interventions designed to improve physician communication. Dr. Levinson is a role model for other women in academic medicine, encouraging and supporting their career development.

## PETER LIU

Peter Liu is the Director of the Heart & Stroke/Richard Lewar Centre of Excellence for cardiovascular research at the University of Toronto. Dr. Liu has focused his research on the causes of heart failure. His laboratory has identified the role of inflammation in changing heart structure and function and uncovered novel treatment strategies. He has also identified how viruses and bacteria can accelerate coronary artery disease and heart failure, and has developed vaccines in their treatment and prevention. Dr. Liu also chairs the Canadian consensus panel on heart failure treatment, the scientific program of Heart Failure Society of America and the Special Centre of Research grant evaluation at the National Institutes of Health in the US. Dr. Liu has been recognized with the Canadian Cardiovascular Society research achievement award, Rick Gallop Heart & Stroke Foundation award and Heart & Stroke/Polo Professorship.

## DAVID LOCKER

David Locker is an international authority in population studies of oral health and health services. He has won numerous awards for his accomplishments as scientist and educator. He has authored or co-authored five books, twenty book chapters and two hundred journal articles largely addressing issues related to the oral health of the elderly, the disabled and children. Dr. Locker has contributed significantly to the understanding of the needs and deficiencies in oral health care and has also served the University of Toronto as Professor, Associate Dean Graduate/Postgraduate Studies and Director of the Community Dental health Services Research Unit.

## JONATHAN LOMAS

Jonathan Lomas is one of a handful of individuals internationally who has put health research knowledge transfer/translation on the radar for both research and policy/management communities. He has demonstrated outstanding leadership, first through the Centre for Health Economics and Policy Analysis at McMaster University, and over the past eight years, through building the Canadian Health Services Research Foundation into what it is today. He exhibits a genuine commitment to an appropriate use of health care resources in order to maximize health outcomes & leads the way in supporting the development of capacity for applied health services research in Canada.

## DONALD LOW

Donald Low is a Fellow of the Royal College of Physicians and Surgeons in Medicine and Medical Microbiology, and a member of the Association of American Physicians. He is the author of more than 200 peer-reviewed publications and 600 abstracts presented at national and international meetings. His research accomplishments include: the establishment of a cross Canada surveillance network which monitors antimicrobial resistance in important pathogens, and an Ontario province-wide Invasive Group A streptococcal surveillance network.

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## **JAMES LUND**

James Lund was the first to prove that rhythmical movements other than respiration could be generated by Central Pattern Generators (CPG) within the central nervous system. He and his collaborators subsequently provided much of our knowledge about the CPG that controls mastication. They discovered a new form of modulation of sensory feedback, in which synapses block transmission of action potentials within the axons of sensory afferents. He developed the Pain-Adaptation Model to explain the secondary signs and symptoms of chronic muscle pain, and founded a clinical research group in oral rehabilitation that seeks better treatment for people who lose their teeth.

## **NONI MACDONALD**

Noni MacDonald is a Professor of Pediatrics and Microbiology at Dalhousie University (former Dean of Medicine) with a clinical appointment in Infectious Diseases at the IWK Health Centre. She heads the Health Policy and Translation Group of the Canadian Centre for Vaccinology in Halifax. Her major research interests include vaccines, the microbiology of cystic fibrosis, stress management in medical faculty, and sexually transmitted infections in adolescents. She has published over 190 papers, served on several editorial boards and is the founding Editor of Paediatrics and Child Health. She is active in many academic and professional organizations as well as doing advisory work for the federal government and the World Health Organization, and has long been recognized in Canada as an advocate for children and youth health needs and as a leader in paediatric infectious disease.

## **PETER MACKLEM**

Peter T. Macklem has been a leader in respiratory research for more than four decades. His intense curiosity and boldness led him to the study of the theory of complexity and its implications for pulmonary function. First, as Director of the Meakins-Christie laboratories and then as founding director of Inspiraplex. Peter Macklem has inspired and fostered the careers of many physicians who currently hold positions of leadership in respiratory medicine around the world. As Chair of Medicine he displayed dynamic leadership and effectively recruited many talented physician-scientists to McGill University. Dr. Macklem has been widely recognized for his achievements. He was a medalist of the American College of Chest Physicians (1979), was elected as a fellow of the Royal Society of Canada (1982) and received an Honorary Doctorate from the Université Libre de Bruxelles (1987). In 1988, Dr. Macklem was granted the Order of Canada and in 1991 was the recipient of the John B. Sterling Medal.

## **STUART MACLEOD**

Stuart MacLeod is Executive Director, Child and Family Research Institute, Professor, Department of Pediatrics, UBC and Vice President, Academic Development of the BC Provincial Health Services Authority. From 1987-1992 Dr. MacLeod served as Dean of Canada's most innovative medical school at McMaster University. Since 1973 he has been an international leader pursuing optimal drug therapy. His contributions span pediatric and adult medicine, but major impact has been on the basic and clinical investigation of therapies for children and youth with a parallel focus on safe medication use, including minimization of drug risk. Future directions in health professional education are a central interest that has taken Dr. MacLeod to more than 25 countries on five continents. He has published five books and more than 200 scientific papers. His most recent paper on utilization of drugs by children and youth in Canada is a landmark publication.

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## **PAUL MAN**

Paul Man has advanced the concept that a common lung condition, chronic obstructive lung disease (COPD; chronic bronchitis and emphysema) is much more than a lung disease. He and his colleagues have demonstrated the inflammatory process in COPD can have serious effects on many of the organs in the human body. They have shown that COPD is a definite although poorly recognized risk factor for coronary artery disease. Importantly, they have also identified biological molecules in subjects with lung disease that can be used to predict the risk for coronary artery disease.

## **G. B. JOHN MANCINI**

G.B. John Mancini has held positions at the University of California, San Diego, the University of Michigan, and the University of British Columbia where he was the Eric W. Hamber Professor and Head of Medicine (1992–2002). Dr. Mancini's research focus in the area of cardiac imaging, lipidology, regression of atherosclerosis, assessment of endothelial function and cardiovascular prevention in lung disease. He has published over 250 papers, abstracts, books and book chapters on these topics. He is a member of the editorial boards of the American Journal of Cardiology, the Canadian Journal of Cardiology and Clinical Investigative Medicine. He is also President of the Canadian Society for Clinical Investigation (2003–2005).

## **KAREN MANN**

Karen Mann is currently Professor and Director of the Division of Medical Education and Professor of Nursing at Dalhousie where she is involved in teaching and research in medical education. She previously served as Associate Dean for Undergraduate Medical Education and Student Affairs and led the renewal of the MD curriculum. Dr. Mann serves on the editorial boards of Academic Medicine, Medical Education and the Journal of Continuing Education in the Health Professions. Formerly Chair of the Research in Medical Education Section of the AAMC, and president of the Canadian Association for Medical Education; she received that Association's award for distinguished contributions to medical education in 1996, and a Dalhousie Instructional Leadership award in 2000.

## **THOMAS MARRIE**

Thomas Marrie is the Dean of the Faculty of Medicine at the University of Alberta after having served as the Chair of the Department of Medicine. Prior to joining the UofA, Dr. Marrie was a Professor of Medicine and Microbiology at Dalhousie University in Halifax, Nova Scotia. Dr. Marrie is well known nationally and internationally as an Infectious Diseases specialist and has maintained an active research program, focusing on community-acquired pneumonia. He is the author of approximately 300 publications and numerous book chapters. Dr. Marrie is currently a Councilor for the Canadian Institute of Academic Medicine and has served on other professional boards including the Canadian Infectious Disease Foundation and as a governor of the American College of Physicians.

## **JAMES G. MARTIN**

James G. Martin is a Professor of Medicine and Physiology at McGill University and is currently Director of the Meakins Christie Laboratories which are internationally known for work in the area of respiratory diseases. He heads a Canadian Institutes of Health Research Group in the area of inflammatory airway diseases. Dr. Martin has worked to understand the pathobiological basis for asthma through the development and characterization of suitable animal models. He was recently awarded a Doctor of Science from the National University of Ireland for his contributions in this area.

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## RENEE MARTIN

Renee Martin is a human geneticist who has pioneered research into the causes of chromosomal abnormalities in human sperm. These abnormalities are responsible for infertility, pregnancy loss, and the birth of children with mental and physical handicaps. Dr. Martin has developed sophisticated new techniques to compare sperm chromosomes from healthy men and men with an increased risk of chromosome abnormalities due to factors such as infertility and exposure to radiotherapy, chemotherapy and pesticides. This innovative research program has allowed her to identify some significant causes of chromosome abnormalities in humans and has led to changes in patient counselling.

## S. WAYNE MARTIN

Wayne Martin obtained his PhD from the University of California in Davis (1974) and returned to Ontario Veterinary College as Canada's first PhD-level veterinary epidemiologist. In 1987, he became the founding Chair of the Department of Population Medicine. He was Chair until 1999 and now continues to teach, especially graduate students, and pursue research both in Canada and internationally. Dr Martin serves on national and international panels, and is co-author of two successful texts in veterinary epidemiology. Currently his research programs focus on zoonotic diseases. (Will likely become a University Professor Emeritus)

## ANNE MARTIN-MATTHEWS

Anne Martin-Matthews is Scientific Director of the CIHR Institute of Aging, a Professor at the University of British Columbia, and a leader in research on social gerontology. Her research has examined widowhood in later life, care giving, social support and aging in rural communities. She founded a multi-disciplinary centre on aging at the University of Guelph and was a leader on such national research initiatives as the Canadian Aging Research Network. She is a Fellow of the (U.S.) Gerontological Society of America and has been honoured with a Distinguished Alumni Award from McMaster University and awards from the Canadian Association on Gerontology, the University of Guelph, and the British Academy.

## CHRISTOPHER MCCULLOCH

Christopher McCulloch is recognized internationally for his expertise in cell biology, particularly in the biology of oral tissues in health and disease. His contributions include major discoveries in intercellular functioning and cell matrix dynamics that impact on cardiology and cancer as well as oral disease. His rigorous approaches to clinical investigation have become a gold standard for clinical trials in institutions worldwide. With over 190 high impact peer-reviewed publications including 8 book chapters, he has made significant contributions to multiple fields including cell biology, cellular communication, cytoskeletal biology, with translation of his findings to clinical disease both oral and general.

## ERNEST A. MCCULLOCH

Ernest McCulloch is University Professor Emeritus at the University of Toronto. Together with his colleague, Dr. J.E. Till, Dr. McCulloch created the first quantitative, clonal method to identify stem cells and used this technique for pioneering studies on stem cells. In addition to providing detailed information about blood cell development, they established the concept of stem cells and set the framework in which stem cells are studied today. Dr. McCulloch has also worked tirelessly on numerous provincial, national and international advisory committees and provided



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leadership for the research division at the Ontario Cancer Institute, the Institute of Medical Science at the University of Toronto and as President of the National Academy of Science of the Royal Society of Canada. He is a Fellow of the Royal Society of Canada and the Royal Society of London. In 1969 he was awarded the Gairdner Foundation International Award (with J.E. Till) and in 1988 he became an Officer of the Order of Canada. Dr. McCulloch was inducted into the Canadian Medical Hall of Fame in 2004. In 2005, Dr. McCulloch and Dr. J.E. Till were awarded the Basic Science prize of the Lasker Foundation.

## **GRANT MCFADDEN**

Grant McFadden is Professor of Microbiology and Immunology at the University of Western Ontario and the Robarts Research Institute in London, Ontario. He is one of the most prominent figures in his field of virology and his numerous scientific contributions have had a huge impact on fundamental understanding of the molecular biology of DNA viruses and on virus and host-cell interactions. The four areas of his most significant contributions might be summarized as: (1) The discovery and analysis of multiple classes of virus-encoded virokines and viroceptors, (2) The discovery of inhibitors of apoptosis encoded by poxviruses, (3) The analysis of poxvirus molecular biology and the basis for host tropism, and 4) The discovery of the novel anti-immune mechanism of poxviruses. Dr. MacFadden has received numerous awards including Canada Research Chair in Molecular Virology in 2001, the Hellmuth Prize in 2002, and Fellow of the Royal Society of Canada in 2004.

## **PATRICK MCGRATH**

Patrick J. McGrath is a clinical psychologist whose clinical research has alleviated pain and distress in children and families worldwide. His pediatric pain research has focused on the measurement of pain in children who cannot speak for themselves because of age or disability and the treatment of recurrent pain in adolescents. His mental health research involves the development of novel strategies of delivering care to families in a timely way in the privacy and comfort of their homes. His research is supported by the Canadian Institutes of Health Research and other agencies. He has been honoured by appointment to the Order of Canada and recognized by many awards.

## **RODERICK MCINNES**

Roderick R. McInnes is the Scientific Director of the Institute of Genetics of the Canadian Institutes of Health Research, and a Professor at the University of Toronto. He is also Professor of Pediatrics and of Molecular and Medical Genetics, and an Anne and Max Tanenbaum Chair in Molecular Medicine at the University. Dr. McInnes has made many contributions to the understanding of the molecular basis of retinal and eye development, and to the identification of genes and processes associated with inherited retinal degenerations. These discoveries include the identification of the eye developmental genes *CHX10*, *CRX*, and *VSX1*, as well as the photoreceptor genes *ROM1* and *PHRI*. His team demonstrated the relationship between several of the genes discovered in his lab with various forms of inherited blindness. With Derek van der Kooy, Dr. McInnes was the co-discoverer of retinal stem cells in the adult eye. Recently, his group identified a novel principle that underlies most if not all forms of retinal degeneration, a principle that appears to challenge current ideas about why photoreceptor cells die in retinal degenerative diseases. Dr. McInnes is a Fellow of the Royal Society of Canada and the recipient of the 2002 Samuel Rosenthal Award from the Rosenthal Foundation of Cleveland. He received the 2004 Dales Award from the University of Toronto and was elected a Senior Fellow of Massey College of the University in 2005.

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## **BRUCE MCMANUS**

Bruce McManus was Director of the Cardiovascular Registry and the cardiovascular pathology service at the University of Nebraska Medical Centre. In 1993 he became the Head of the Department of Pathology and Laboratory Medicine at UBC and has remained a Professor in that department. He is an active researcher and co-Director of the James Hogg iCAPTURE Centre at St. Paul's Hospital. He is a national leader in cardiovascular research and has served since 2000 as the inaugural Scientific Director of CIHR's Institute of Circulatory and Respiratory Health. In addition to being an excellent and productive scientist, Dr. McManus is an outstanding scientific mentor and has trained many basic biomedical and clinical scientists.

## **JOHN MCNEILL**

John McNeill is Professor Emeritus and former Dean of the Faculty of Pharmaceutical Sciences at the University of British Columbia, becoming a full professor in 1975 and the Dean of the Faculty in 1986. His research work on cardiac drugs, the cardiovascular complications of experimental diabetes and treatments for the condition, and his most recent work on hypertension associated with the metabolic syndrome, has earned him a worldwide reputation. He has more than 900 publications and has trained 45 graduate students and 23 postdoctoral fellows. He has been honoured by receiving the top research awards of the Pharmacological Society of Canada, the Association of Faculties of Pharmacy of Canada (twice) and the University of British Columbia. Dr. McNeill is a Fellow of the Royal Society of Canada and a Fellow of the International Academy of Cardiovascular Sciences and was recently recognized with a Leadership Award by the Heart and Stroke Foundation of B.C. and Yukon.

## **GRAYDON MENEILLY**

Graydon Meneilly is currently the Eric W. Hamber Professor and Head, Department of Medicine, University of British Columbia and Vancouver Hospital. He is internationally recognized for his work on causes of and treatment for diabetes in the elderly. A frequent invited speaker, Dr. Meneilly has served on numerous panels including the Institute Advisory Board of the CIHR Institute of Aging.

## **JOSE MENEZES**

José Menezes, a Professor of Microbiology & Immunology at Université de Montréal and a scientific leader in the field of Immunovirology, has pioneered research on virus-immune system interactions spanning such topics as modulation of cytokine gene expression and signaling by human herpesviruses, analysis of cytokine-induced anti-viral natural killer lymphocytes, and development of lymphoid cell clones expressing transfected viral glycoprotein genes for analysing anti-viral innate and antibody-mediated immune responses. His transdisciplinary research also led to the first biological characterization of Epstein-Barr virus strains (EBV is an oncogenic herpesvirus) which laid foundation for initiation of studies of EBV genetics, demonstration of EBV receptors on human T lymphocytes, host's Interleukin-15 response to viruses, downregulation of TNF for immune evasion by EBV, and the role of gamma/delta T cells in HIV/AIDS pathogenesis. In the seventies, his work contributed to dispel some of the dogmas in the emerging field of EBV tumor biology. He is currently devoting his efforts to a translational research program he heads for investigating human umbilical cord blood transplantation and immunology. He also published collaborative work with some of the world's leading biomedical scientists of our time.

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## **NADIA MIKHAEL**

Nadia Mikhael is the Director of Education of the Royal College of Physicians and Surgeons of Canada (RCPSC) and McLaughlin Professor of Education at the University of Ottawa. She received her medical degree from Cairo University and did part of her pathology training in Greenwich, England. In 1970, she moved to Canada and completed her pathology training at the University of Ottawa. She received her Certification of Royal College of Physicians and Surgeons of Canada (RCPSC) and American Board of Pathology in 1976 and was nominated for Fellowship of the American Society of Investigative Pathology in 1985. Dr. Mikhael is a certified Anatomical Pathologist with special expertise and interest in Obstetrics and Gynecological Pathology. Prior to her appointment to the Royal College, Dr. Mikhael was Professor and Chair of the Department of Pathology and Laboratory Medicine at the University of Ottawa and at the Ottawa General Hospital, and Assistant Dean of Medical School Admissions at the Faculty of Medicine of the University of Ottawa.

## **BARBARA MORRONGIELLO**

Barbara Morrongiello has achieved a national and international reputation for her unique and rigorous research on factors that affect children's risk of unintentional injury. This research has provided a foundation of knowledge about the determinants of injury risk for children 2-12 years of age, including elaboration of how risk factors vary not only with child age but also for males versus females. Her commitment to translating these findings into programs that can serve to reduce the incidence and scope of childhood injuries in Canada is exemplary and has met with considerable success. Dr. Morrongiello is a Fellow of the American Psychological Association (Developmental Psychology Division).

## **JANICE MORSE**

Janice Morse is a Professor, Faculty of Nursing, University of Alberta and Scientific Director, International Institute for Qualitative Methodology, University of Alberta. She holds PhDs in both nursing and anthropology and uses anthropological research methods to explore the illness experience, suffering and the attainment of comfort. Dr. Morse is an authority in qualitative research methods, serves as founding editor for the journal *Qualitative Health Research*. She has published more than 300 articles and 14 books, and is a fellow of the American Academy of Nursing, American Anthropological Association, and the Society for Applied Anthropology. Her contributions to nursing and health research have been acknowledged: she is the 5th Episteme Laureate (the bi-annual research award, Sigma Theta Tau International) and has been awarded an honorary Doctorate from the University of Newcastle, Australia.

## **JEAN-MARIE MOUTQUIN**

Pionnier de la recherche clinique en santé maternelle et fœtale au Québec, il a ensuite initié les premiers essais cliniques randomisés dans les centres tertiaires de périnatalité au Canada. Tant dans les domaines de l'accouchement prématuré qu'en hypertension de grossesse, le Dr Moutquin s'est mérité une réputation et un leadership international. Ses activités de représentation en soins de santé préventive, en évaluation des technologies ainsi que de diffusion vulgarisée des connaissances scientifiques dans les guides de pratiques ou dans les consultations gouvernementales ont permis, entre autres, d'abandonner des médicaments dangereux dans le travail prématuré ainsi que des pratiques néfastes de repos strict au lit pour l'hypertendue enceinte.

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## DAVID S. MULDER

David Mulder is a McGill based cardiothoracic surgeon with a major interest in Trauma, including epidemiology and trauma care delivery. His clinical interests include general thoracic surgery with an emphasis on thoracic oncology involving the lung & esophagus. He also has interests in healthcare services research, particularly in preoperative waiting times. He was the previous chair of the McGill Dept of Surgery from 1983-88 & 1993- 98. Dr. Mulder is currently Team Physician for the Montreal Canadians and President of the NHL Team Physicians Association.

## BRUCE MURPHY

Bruce Murphy has made highly significant and original contributions to biomedical science in the domain of reproductive biology. He has made seminal discoveries that explain the processes of ovarian function and embryo implantation. He has shown exceptional leadership in and commitment to the advancement of academic health sciences, in establishment and direction of high quality biomedical research centers, leadership in the evolution of the CIHR Institute of Human Development, Child and Youth Health, and service on national and international grant panels and advisory boards.

## T. JOCK MURRAY

Jock Murray is a Professor of Medicine (Neurology) and founding director of the Dalhousie Multiple Sclerosis Research Unit. He was Dean of Medicine at Dalhousie University from 1985-1992 and now holds the Chair of Medical Humanities. He has provided leadership to the Association of Canadian Medical Colleges, the Canadian Medical Forum, the Canadian Neurological Society, the Consortium of North American MS Centers and the American Academy of Neurology. He served as Chairman of the Board of Governors and later Board of Regents of the American College of Physicians and was elected a Master of the College and Chairman Emeritus in 1998. Dr. Murray has over 200 medical publications, 6 books, 38 text book chapters, and has held 79 funded research grants. His numerous awards include the Dr. Nicholas Davies Award in Medical Humanities by the ACP, the Laureate Award by its Atlantic Chapter, Professor of the Year at Dalhousie University, the Cutter Medal by Phi Rho Sigma International, the Seymour Medal by the University of Kansas, the Canada 125 Anniversary Medal, the Queen Elizabeth Jubilee medal, the Neilson Award by the Hannah Institute for the History of Medicine, the Dr. A. B. Baker Award from the American Academy of Neurology, honorary degrees from St. Francis Xavier University and Acadia University, and election as an Officer of the Order of Canada.

## J. FRASER MUSTARD

J. Fraser Mustard conducted research work focused on the role of white platelets and haemostasis and thrombosis, arterial disease and the effects of aspirin in inhibiting platelet function. Following ten years at the University of Toronto, he took part in creating the new medical school at McMaster University and establishing the problem-based approach to medical education. In 1982 he left his role as Vice President of Health Sciences at McMaster and joined with a group to found the Canadian Institute for Advanced Research, a network of national and international researchers that studies issues in the sciences and social sciences. The output of these programs has enhanced our understanding of the determinants of health and economic growth. For his work, Dr. Mustard is a Fellow of the Royal College of Physicians and Surgeons and the Royal Society of Canada, a Companion of the Order of Canada and a member of the Canadian Medical Hall of Fame.

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## **REGINALD A. NADEAU**

Reginald Nadeau is Emeritus Professor of Medicine and Physiology, Université de Montréal. A pioneer in cardiac electrophysiology in Canada, he is a member of Council of the International Society of Electrocardiology. He is author and co-author of over 300 papers and book chapters. At the Research Centre of the Hôpital du Sacré-Cœur de Montréal (which he founded in 1972), he devoted himself to the study of cardiac arrhythmias and promoted the translation of research into improved pharmacological and surgical therapy. He serves as a board member of the AETMIS (technology evaluation) and of the Conseil du médicament du Québec. He was a founding member of the Canadian Institute of Academic Medicine in 1989, and is an honorary member of the French, Hungarian and Slovak Societies of Cardiology.

## **ARNOLD NAIMARK**

Arnold Naimark is currently Professor of Medicine and Physiology at the University of Manitoba, the Director of the Centre for the Advancement of Medicine and the founding Chair of the Canadian Health Services Research Foundation. He had a distinguished career as a Professor of Medicine at the University of Manitoba before becoming Dean of the Faculty of Medicine from 1971 to 1981, after which he served as the University's President and Vice-Chancellor from 1981 to 1996. Dr. Naimark has served and continues to serve on many committees, boards and advisory bodies in such positions as Chair, International Review Panel for the Medical Research Council of Canada; member of the Board of Trustees, Lewis Perinbaum Award for International Development; member of the Board of Directors of the Canadian Imperial Bank of Commerce; and President, Association of Universities and Colleges of Canada. He has received several honorary degrees and awards, including the Order of Canada (1991).

## **LOUISE NASMITH**

Louise Nasmith is currently Professor and Chair of the Department of Family and Community Medicine at the University of Toronto. She has focused on medical education spanning the continuum from undergraduate through to continuing professional development, as well as on the integration of care for chronic illness and interdisciplinary care. In 1995 she was named chair of the Department of Family Medicine at McGill, a position that she held until 2002 when she took on the same role in the Department of Family and Community Medicine at the University of Toronto. Dr. Nasmith is a member of the National Expert Committee on Interprofessional Education for Collaborative Patient-Centered Practice, a Health Canada initiative. She has given a number of presentations and workshops on interprofessional practice and education. Currently, she is the President-Elect of the College of Family Physicians of Canada and the Interim-Chief of Family Medicine at the Toronto Western Hospital.

## **STANLEY NATTEL**

Stanley Nattel is a world leader in Cardiology and cardiovascular research. His research focuses on novel therapeutic approaches to prevent death and disability caused by irregularities of cardiac rhythm, a major health hazard. Dr. Nattel's critical analysis of basic mechanisms of clinical importance and resulting therapeutic innovations have revolutionized major areas of cardiac disease therapy. In addition to this widely-acclaimed personal research, Dr. Nattel played a most significant role in developing the Montreal Heart Institute Research Centre, adding new dimensions of co-ordinated clinical, basic and applied research activity. He has been central in important international research network activities and organizations.

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## **C. DAVID NAYLOR**

David Naylor is currently President of the University of Toronto, having been Dean of the Faculty of Medicine and Vice Provost-Relations with Health Care Institutions, University of Toronto from 1999–2005. He was chair of the National Advisory Committee on SARS and Public Health in 2003. Dr. Naylor founded the Institute for Clinical Evaluative Sciences (ICES) and led it until 1998. He is internationally recognized as a leader in the field of health services research and evidence based health and social policy, and has advised a number of governments on policy issues over the last 15 years. He has also co-authored over 300 scholarly publications, and received national and international awards for research and leadership in medicine, including election to the Royal Society of Canada in 2004.

## **LINDSAY NICOLLE**

Lindsay Nicolle is a Professor in Internal Medicine at the University of Manitoba and is a leader in academic Infectious Diseases in Canada. She is the Editor-in-chief of the Canadian Journal of Infectious Diseases and Medical Microbiology and has participated as a member of the executive or committee member for many national and international professional organizations. She was the first woman in Canada appointed as Chair of Internal Medicine. Her research interests in health-care acquired infections and urinary infection have led to many publications of refereed papers, book chapters, and participation in development of practice guidelines.

## **LINDA O'BRIEN-PALLAS**

Linda O'Brien-Pallas is a Professor in the Faculties of Nursing and Medicine at the University of Toronto; Director and Co-Principal Investigator of the Nursing Health Services Research Unit (University of Toronto site). Recognized as a world authority on nursing human resources, she holds the inaugural CHSRF/CIHR Chair in Nursing/Health Human Resources. Linda has served on many boards/committees including the Canadian Nurses Association, the Registered Nurses Association of Ontario, the Romanow Commission and others. Her research interests include: nursing health human resources, workload measurement and patient classification systems, and the quality of nursing worklife. Linda has received numerous awards for her research and innovative contribution to nursing. She was recently awarded (2006) the Canadian Nurses Association's prestigious Jeanne Mance Award.

## **HUGH O'BRODOVICH**

Hugh O'Brodovich has made seminal contributions to our understanding of the cellular and molecular mechanisms underlying lung disease with particular emphasis on problems in newborns and children. He has provided extraordinary leadership in paediatrics whilst chief of Paediatrics at The Hospital for Sick Children and Chair of Paediatrics at the University of Toronto and also at local, national and international levels.

## **ANNETTE O'CONNOR**

Annette O'Connor has focused on developing and evaluating decision support tools for consumers and practitioners. She has built and maintains the Bell Patient Decision Support Laboratory. She leads a CIHR Group Grant in Decision Support, the International Cochrane Review of Trials of Decision Aids, and co-leads the International Patient Decision Aid Standards (IPDAS) Collaboration.

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She holds a Tier 1 Canada Research Chair in Consumer Health Decision Support and, in the last year, received the Society for Medical Decision Making's John Eisenberg Award (2004), and the University of Ottawa Award for Excellence in Research (2005), and Ottawa Life Sciences Council Health Innovation Award (2006).

## **CHRIS OVERALL**

Christopher Overall is a world leader in Degradomics or Systems Biology of the Protease Web. By devising highly innovative proteomic approaches to study proteases and their substrate degradomes, he has helped uncover critical new roles for proteases in health and disease. This has led to major paradigm shifts in our concepts on the regulation of tissue remodeling, angiogenesis, and neurodegeneration. Notably, he has pioneered the new role of MMPs in controlling inflammation and immune responses by chemokine processing. He is a regular keynote speaker at international conferences and is a consultant for Novartis Pharmaceutical and many biotech companies at home and abroad. He has received many awards, including 2002 CIHR Researcher of the Year, 2003 CIHR IMHA Oral Health Researcher and Canada Research Chair.

## **ELIOT PHILLIPSON**

Eliot Phillipson was appointed President and CEO of the Canada Foundation for Innovation in July 2004. He had been Physician-in-Chief at Mount Sinai Hospital 1987 to 1997, and Sir John and Lady Eaton Professor and Chair of the Department of Medicine, University of Toronto from 1993 to 2004. His research has focused on the regulation of respiration during sleep, and forms the basis for understanding several sleep-related breathing disorders. Dr. Phillipson is an elected member of the prestigious American Society for Clinical Investigation (1979), and the Association of American Physicians (1991). He was the President of the Canadian Association of Professors of Medicine from 1997 to 1998, and President of the Canadian Institute of Academic Medicine from 2000 to 2002. He was the 2004 recipient of the Presidential Award of the European Respiratory Society.

## **ROGER PIERSON**

Roger Pierson is Professor of Obstetrics, Gynecology and Reproductive Sciences in the College of Medicine at the University of Saskatchewan. He is a world leader in transdisciplinary approaches to research in Women's Health. He has been a pioneer in the development of ultrasonographic imaging as a research tool in reproductive science and medicine. He was the first scientist to directly visualize human ovulation and more recent discoveries on wave patterns of follicular development in women have fundamentally changed our understanding of the female reproductive cycle. Dr. Pierson's work has been instrumental in developing safer and more effective methods of ovarian stimulation to improve infertility therapy and ovarian suppression for new contraceptive technologies.

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## **BARRY PLESS**

Barry Pless is a Professor of Paediatrics, Epidemiology and Biostatistics at McGill University and is Director of the Injury Prevention Program at the Montreal Children's Hospital. Dr. Pless is a former President of the Ambulatory Paediatric Association and a Recipient of that Association's Armstrong Award and Research Award. He is a former member of the Population Health Program of the Canadian Institute for Advanced Research: and former Chairperson of the Board of the Canadian Institute of Child Health. Dr. Pless has made pioneering contributions to ambulatory (social) pediatrics; chronic illness; and injury prevention, and was the first Canadian President of the Ambulatory Pediatric Association. Dr. Pless introduced the non-categorical approach to the research and care of children with chronic disorders and has been a force behind the growth of injury prevention in Canada. His work in establishing the CHIRPP surveillance system is seminal. In 1994 he founded the journal, *Injury Prevention*, and remains its editor. Dr. Pless was appointed as a member of the Order of Canada in 1993.

## **BARRY J. POSNER**

Barry Posner is internationally recognized for his work in cell signaling and diabetes. His current research focuses on the genes responsible for diabetes, the discovery of which will aid in the prediction and treatment of this disease. Following post-graduate work at MIT and the NIH, he joined the Royal Victoria Hospital and McGill University in 1970. He has trained over 35 graduate and post-graduate students, given over 160 lectures as a Visiting Professor and published more than 270 scientific manuscripts. He is a recipient of the 1990 Distinguished Scientist Award of the CSCI, a fellow of the Royal Society and the Royal College of Physicians of Canada, and the American College of Physicians. Dr. Posner was appointed Officer of the Order of Canada and received the Queen's Golden Jubilee medal in 2002.

## **DOROTHY PRINGLE**

Dorothy Pringle is professor emerita at the University of Toronto where she was dean of the Faculty of Nursing from 1988-99. She is the Executive Lead on the Health Outcomes for Better Information and Care initiative for the Ontario Ministry of Health and Long Term Care. Her research contributions have been in services required by family caregivers of cognitively impaired older people and in the quality of daily life of those who live in residential facilities. She was chair of the CIHR Institute of Aging Institute Advisory Board, chaired the Canada Research Chairs Adjudication Committee and co-chaired the Federal/Provincial/Territorial Committee on Public Health Human Resources. She is Editor-in-Chief of the *Canadian Journal of Nursing Leadership*. In 2000, she received the Jeanne Mance Award from the Canadian Nurses Association, for lifetime contributions to the nursing profession. She has honorary degrees from the University of Lethbridge, Laurentian University and Laval University.

## **REMI QUIRION**

Remi Quirion is a McGill University Professor and Scientific Director at the Douglas Hospital Research Centre. His research interests include key phenotypes of the Alzheimer's brain and the molecular and pharmacological features of the neuropeptide receptors NPY and CGRP. Dr. Quirion has published 5 books and more than 500 scientific papers and articles, and is the inaugural Scientific Director of the CIHR Institute of Neurosciences, Mental Health and Addiction. He has received numerous awards



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including Fellow of the Royal Society of Canada, Chevalier of the Ordre national du Québec, the Médaille de l'Assemblée nationale du Québec, the 2003 First Annual Award National Mental Health Champion (Research), the 2004 Wilder-Penfield Award, Prix du Québec, the Heinz-Lehmann Award and the Dr. Mary V. Seeman Award from the Canadian Psychiatric Research Foundation.

## **RAYMOND RAJOTTE**

Ray V. Rajotte is a world leader in islet transplantation. His pioneering work in islet isolation, cryopreservation, and transplantation in various animal models allowed the Islet Transplantation Group, which he started in 1982, to take their basic research to the bedside in 1989 by carrying out Canada's first clinical islet transplant to the standard of care for brittle diabetes in 2000. Using what has become known as the Edmonton Protocol, clinical success was improved from 8% to 100% of the diabetic patients becoming insulin independent following an islet transplant. The Edmonton Protocol has set the standard for islet transplantation, which other centers around the world are now trying to emulate. To solve the islet supply problem, Dr. Rajotte has recently shown for the first time that neonatal pig islets can work long term in primates – moving them one step closer to using this therapy in humans.

## **EUGENIO A. RASIO**

Eugenio Rasio is a Professor of Medicine and an endocrinologist at the Centre Hospitalier de l'Université de Montréal. He was Director of the Department of Nutrition (1982–1990), the Research Center of Notre Dame Hospital (1990–1997) and the Department of Medicine (1999–2003). His clinical research has focused on pituitary tumors, obesity and anorexia nervosa. Dr. Rasio is the author of more than a hundred scientific publications and his awards include the Danone Institute Prize for excellence in nutrition research in 2003. He is currently interim director of the Research Centre of the CHUM.

## **JEFFREY READING**

Jeff Reading is Professor in the Faculty of Human and Social Development at the University of Victoria and a faculty associate with the Indigenous Governance Program. He is the inaugural Scientific Director of the CIHR Institute of Aboriginal Peoples' Health (CIHR-IAPH). Previously, he held the first endowed research chair at the department of Public Health Sciences at the University of Toronto, the Trans-Canada Pipelines Chair in Aboriginal Health and Well-being. Understanding and improving the state of health of aboriginal people in Canada is a lifelong pursuit. As an epidemiologist, his research has brought attention to such critical issues as disease prevention, smoking, healthy living, accessibility to health care and diabetes among aboriginal people in Canada. Distinguished as a leading national and international expert in indigenous health research, his dedication to the pursuit of excellence in research is broadly recognized in academic and government circles. In 2002, Dr. Reading delivered the prestigious annual Amyot lecture at Health Canada, designed to foster innovation and debate on leading health policy issues.

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## DOMENICO REGOLI

Domenico Regoli is Professor Emeritus of Pharmacology at University of Sherbrooke and in the Medical School of the University of Ferrara in Italy, and former Head of Pharmacology at Sherbrooke. He is the author of 560 papers, and in 2002–2003 was included in the list of the most quoted scientists in Pharmacology. The aim of his research is to provide to the scientific community reliable and significant pharmacological preparations for the discovery of new drugs, anti-inflammatory drugs and analgesics. Dr. Regoli has received the Léo-Parizeau Prize from l' Association canadienne-française pour l' avancement des sciences en 1996, the Frey-E-Werle Gold Medal in 1995 and the Upjohn prize from the Canadian Association of Pharmacology in 1993. January 2006 Dr. Regoli has been honored with the title of Grande Ufficibile of the Italian Republic for scientific achievements.

## RICHARD REZNICK

Richard Reznick is currently the R.S. McLaughlin Professor and Chair of the Department of Surgery at the University of Toronto and Vice President, Education at University Health Network. Since 1987, Dr. Reznick has been active in both colorectal surgery and research in medical education at the University of Toronto. He has played a major role in the design and implementation of the Medical Council of Canada's clinical skills examination, now being used for licensure for Canadian physicians. He heads up a fellowship program in Surgical Education and previously was the Director of the University of Toronto, Faculty of Medicine, Centre for Research in Education at the Toronto General Hospital. He is recipient of numerous awards for his work in medical education, including the Royal College of Physicians and Surgeons of Canada medal in Surgery and the distinguished educator award of the Association for Surgical Education.

## CAROL RICHARDS

Carol Richards is a Professor in the Department of Rehabilitation, Faculty of Medicine, Laval University and Director of the Centre for Interdisciplinary Research in Rehabilitation (CIRRIIS). She was the founding Director (1994–2003) of the Quebec Provincial Rehabilitation Research Network and co-founder of the Canadian Consortium of Disability and Rehabilitation Research. She holds a Canada Research Chair in Rehabilitation and the Laval University Research Chair in Cerebral Palsy, and is a member of the Governing Council of CIHR. As one of the first physiotherapists in Canada to obtain a doctorate degree she has played a leadership role over the years in the evolution of physiotherapy as a clinical science. Her research has contributed to a better understanding of locomotor disorders of persons with neurological and musculoskeletal impairments by combining basic laboratory research with controlled clinical studies. She has received numerous awards including: an Honorary Doctorate by the University of Ottawa, a Green Visiting Professorship from the University of British Columbia, the Enid Graham Memorial Lectureship from the Canadian Physiotherapy Association and the Jonas Salk Award from the Ontario March of Dimes.

## KENNETH ROCKWOOD

Kenneth Rockwood is Professor of Medicine (Geriatric Medicine & Neurology) and Kathryn Allen Weldon Professor of Alzheimer Research at Dalhousie University. He is a leader in Canadian geriatric medicine, and in particular, has pioneered work on the definition, measurement and management of frailty. As a clinical and epidemiological researcher on the dementias, he has focused on novel risk factors (such as the protective effects of exercise) and on individualized outcome measurement. The latter has provided a practicable means whereby patients with Alzheimers disease, and their families, have a meaningful say in whether treatments for dementia are effective.

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## **ALLAN RONALD**

Allan Ronald is currently Distinguished Professor Emeritus, University of Manitoba; Visiting Professor, Makerere University, Kampala, Uganda; and founding Board Member, Academic Alliance for AIDS Care and Prevention in Africa. At U of Manitoba, Dr. Ronald served as Chair, Medical Microbiology from 1976-85 and as Chair, Internal Medicine from 1985- 90. He created an Infectious Disease fellowship program that has trained more than 70 individuals. Dr. Ronald's research interests include HIV/AIDS, STD's and UTI's and he has published 240 peer-reviewed research papers. In 1980 he was invited to assist the University of Nairobi's Department of Microbiology. This research and training program has identified much of epidemiology of HIV in Africa and over 70 Kenyans have obtained graduate training in Microbiology and/or Infectious Diseases.

## **LAWRENCE ROSENBERG**

Lawrence Rosenberg is currently the A.G. Thompson Chair of Surgical Research at the McGill University Health Centre. His current studies address islet cell neogenesis, pancreatic stem cells, and islet cell death and survival. Dr. Rosenberg was a founding member of the Stem Cell Network of Canada and is on the editorial board of *Organogenesis*. He is an author on more than 160 peer-reviewed publications. Dr. Rosenberg has received many career awards and fellowships, including: a Medical Research Council of Canada Fellowship, McLaughlin Foundation Fellowship, Medical Research Council of Canada Scholarship, a Senior Clinician-Scientist Award and National Scientist Award both from the government of Quebec. He is the only Canadian to have received the prestigious American Surgical Association Foundation.

## **DAVID ROSENBLATT**

David Rosenblatt is Professor of Biology, Human Genetics, Medicine and Pediatrics, McGill University. He is a world authority in the area of inherited disorders of the vitamins folic acid and cobalamin (vitamin B12). His laboratory is the world reference centre for the diagnosis of these disorders and also has been responsible for the characterization of a number of these diseases and for the cloning of the responsible genes. This has allowed for proper diagnosis, carrier detection, and prenatal diagnosis. He also established the first Division of Medical Genetics in a Department of Medicine in Canada.

## **WALTER ROSSER**

Walter Rosser is Professor and Chair of the Department of Family Medicine, Queen's University. He successfully completed a ten-year term as Professor and Chair, Department of Family and Community Medicine, University of Toronto and served terms as the Chair of Family Medicine at both McMaster University and the University of Ottawa. Dr. Rosser is the Past-President of the Ontario College of Family Physicians and NAPCRG and Chair of the Section of Researchers of the College of Family Physicians of Canada and the Chair of the Research Working Group of WONCA. He is also a member of the MOH/OMA Guideline Advisory Committee.

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## SERGE ROSSIGNOL

Serge Rossignol a consacré sa carrière à l'étude des contrôles nerveux de la locomotion. Ses travaux ont porté sur les mécanismes de la genèse spinale de la locomotion, ainsi que sur les contrôles exercés par les centres nerveux supérieurs et les informations sensorielles des membres. Il a démontré que les animaux à l'âge adulte pouvaient recouvrer une locomotion involontaire des membres postérieurs après une lésion complète de la moelle et que cette locomotion était favorisée par certains agents pharmacologiques. Cela démontre une neuroplasticité remarquable qui justifie une approche intensive de réadaptation après lésion de la moelle épinière, même chez l'humain.

## ORI D. ROTSTEIN

Ori Rotstein is a Professor of Surgery at the University of Toronto and Surgeon-in-Chief at St. Michael's Hospital. He is also the Director of the Institute of Medical Science, a Graduate Unit aligned with the Faculty of Medicine. He is an acknowledged expert in the clinical area of surgical infection; particularly intra-abdominal infection and is a frequently invited lecturer and author in this field. His research focuses on the cellular and molecular mechanisms leading to augmented organ injury following hemorrhagic shock in the civilian trauma setting. He has significant experience supervising graduate students, particularly surgical residents in the Surgeon-Scientist program.

## GUY ROULEAU

Diplômé de l'Université Harvard, le docteur Guy Rouleau dirige les activités du Centre d'études des maladies du cerveau de l'Université de Montréal de même que le Réseau de médecine génétique appliquée du Fonds de la recherche en santé du Québec. Médecin et chercheur dans le domaine de la neurogénétique, il est à la tête du Centre de recherche du CHU Sainte-Justine depuis janvier 2006. Auteur et co-auteur de plus de 300 publications parues dans les revues scientifiques les plus prestigieuses, il est également titulaire de la Chaire de recherche du Canada en génétique du système nerveux. Ses activités de recherche l'ont amené, entre autres, à localiser, isoler et caractériser plusieurs gènes. Au cours des dernières années, on lui doit plusieurs découvertes importantes dont l'identification du gène de la neurofibromatose de type 2, de deux gènes responsables de la sclérose latérale amyotrophique et d'une dizaine de gènes causant des maladies héréditaires dont certaines sont particulières au Québec. En plus de jouer un rôle de premier plan au sein de nombreuses sociétés scientifiques, il participe également à un ensemble d'activités de valorisation de la recherche et de transfert technologique.

## CLAUDE ROY

Claude Roy is Professor Emeritus at the Université de Montréal. It was at the University of Colorado that Dr. Roy created one of the first divisions of pediatric gastroenterology in North America. Upon his move to the Université de Montréal and L'hôpital Ste-Justine, he greatly contributed in making pediatric gastroenterology the vibrant and academically productive specialty it has become today. His training program is known worldwide and has attracted more than 60 graduates from 3 continents. He has made seminal contributions to the literature on the metabolism of bile acids, essential fatty acids, fat absorption and on the management of gastro-intestinal and hepatobiliary disease in cystic fibrosis. He has presided over a number of professional organizations including the Canadian Institute of Academic Medical and is an officer of the Order of Canada.

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## **RIMA ROZEN**

Dr. Rima Rozen is Professor of Pediatrics and Human Genetics, McGill University, and Scientific Director of the Research Institute, Montreal Children's Hospital. A molecular scientist, she has isolated a gene involved in the metabolism of the nutrient, folic acid, and identified a common mutation in this gene that increases the risk for spinal defects in babies and for heart disease in adults. This discovery has opened up exciting new research in genetic-environmental interactions, in which Dr. Rozen is a key player. She has shown how the genetic abnormality she discovered and a consequent amino acid imbalance predispose to atherosclerosis. In addition, she has demonstrated a link between this gene, dietary folic acid and birth defects, including congenital heart disease. Furthermore, her work has increased our understanding of colon cancer and inherited diseases like cystic fibrosis. Dr. Rozen is the recipient of several prestigious awards for her research. Her discoveries and her achievements have gained for her a high international profile.

## **ELLEN RUKHOLM**

Ellen Rukholm is currently the Director of the School of Nursing, Laurentian University. She was the innovator of graduate programs there in Nursing, Health Services and Policy and of a cardiovascular nursing graduate training program. She is principal or co-investigator for CIHR, Health Canada, Ontario Heart and Stroke and Ontario Ministry of Health research grants on cardiovascular health, hospital restructuring, nursing, interventional tele-health and inter-professional education in rural and northern contexts and has over 100 related peer reviewed publications. She chaired the committee that founded the first cardiovascular nursing peer reviewed journal in Canada (Editor, 1992-99). She received a National Award of Excellence (2003) for a web-based cardiovascular nursing course.

## **ROBERT B. SALTER**

Robert Salter is Professor Emeritus of Surgery at the University of Toronto and a pioneer in the field of pediatric orthopaedic surgery. His many innovations include the innominate osteotomy for congenital dislocation of the hip, the Salter Harris Classification of Epiphyseal Plate Injuries, and the use of Continuous Passive Motion (CPM) of joints for regeneration of articular cartilage. In 1995 he was inducted into the Canadian Medical Hall of Fame. He was made an Officer of Order of Canada in 1977 and was promoted to Companion in 1997.

## **MARTIN SCHECHTER**

Martin Schechter is Professor and Head of the Department of Health Care and Epidemiology in the Faculty of Medicine at the University of British Columbia, and a Canada Research Chair. His pioneering research demonstrated the degree and modes of transmission of the hypothetical AIDS agent, well before the discovery of HIV, and led to critical early prevention efforts. His work also exemplifies a fundamental appreciation of the vulnerabilities to poor health faced by marginalized populations within our society. He is the author of more than 300 peer-reviewed publications and 470 abstracts and scholarly presentations. He is both a founder and National Director of the Canadian HIV Trials Network. In 1994, Dr. Schechter was elected to the Order of British Columbia for his contributions to research. He also received the Science Council of British Columbia Gold Medal in 2002, the Queen's Jubilee Medal, and was made a Fellow of the Royal Society of Canada in 2004.

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## ERNESTO SCHIFFRIN

Ernesto Schiffrin has made seminal contributions to our understanding of the mechanisms leading and contributing to hypertension. He has delineated the role that hormones such as angiotensin, aldosterone and endothelin play in the regulation of the vasculature in hypertension. He characterized arteries involved in blood pressure elevation in patients with hypertension, and effects of treatment on their blood vessels, contributing to improving outcome for hypertensive patients. He is past President of the Canadian Hypertension Society and Chair of the High Blood Pressure Research Council of the American Heart Association, and Editor of Hypertension, the journal with the highest impact factor in the field.

## HUGH SCOTT

Hugh Scott is a cardiologist who also holds a degree in educational psychology. He has served in a variety of senior administrative positions including chairperson of the department of medicine at the Université de Sherbrooke, associate dean –postgraduate medical education at McGill University, executive director and CEO of the Royal College of Physicians and Surgeons of Canada, and principal and vice-chancellor of Bishop's University. He recently stepped down as the executive director of the McGill University Health Centre. He is currently a sabbatical fellow at the McGill Institute for the Study of Canada, where his interests include demonstrating the financial sustainability of the Canadian healthcare system and encouraging the completion of the Trans Canada Trail.

## RAFICK SEKALY

Rafick Sékaly, the Canada Research Chair in Human Immunology, has been a pioneer in several fields of human immunology and HIV/AIDS pathogenesis and treatments. Using several novel technologies developed in his lab, he was able to demonstrate in collaboration with other researchers the protective and deleterious features of the primary cellular immune responses in HIV infected patients which have led to several investigator driven national and international clinical trials. He has received several honours and awards including the Forgy Fellowship of the National Institutes of Health of Maryland, Chercheur boursier « Senior 1 » of the Fonds de la recherche en santé du Québec, Prix du jeune chercheur of the Club de recherches cliniques du Québec and Senior Scientist Salary Support Awards from the Medical Research Council of Canada. As Founder and Scientific Director of the CANVAC Network of Centre of Excellence, Dr Sékaly hopes to improve the quality of life of Canadians by using novel technologies and a multidisciplinary approach in order to develop vaccines for the prevention and treatment of chronic diseases like AIDS, hepatitis C and cancer.

## BARRY SESSLE

Barry Sessle is Professor and Canada Research Chair at the University of Toronto Faculty of Dentistry and Faculty of Medicine. He joined the University of Toronto in 1971 and was Dean of the Faculty of Dentistry from 1990 to 2001. He is an elected Fellow of the Royal Society of Canada, and has served as President of the International Association for the Study of Pain, and President of both the International and the Canadian Associations for Dental Research. Dr. Sessle has co-authored or edited 11 books, and published over 250 journal articles and book chapters. His research into orofacial pain and neuromuscular function and dysfunction has been continuously supported for over 30 years by both the Canadian Institutes of Health Research and US National Institutes of Health.

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## **WILLIAM SIBBALD**

William Sibbald is Professor of Medicine at the University of Toronto and Physician-in- Chief of Sunnybrook and Women's College Health Sciences Centre. Dr. Sibbald has provided leadership to critical care medicine through excellence in both research and scholarship. His achievements extend from novel lab-based discoveries and key health services research findings to initiatives that have lead to improvements in patient care and enhanced training opportunities for critical care specialists. A Fellow of the Canadian College of Health Services Executives with an M.P.H. in health management (Wisconsin), Dr. Sibbald has served on many provincial, national, and international task forces dealing with diverse aspects of patient care and health policy.

## **MELVIN SILVERMAN**

Mel Silverman is currently Senior Staff Nephrologist at the Toronto General Hospital, University Health Network, University of Toronto Professor Emeritus of Medicine, and Vice President - Research at the Canadian Institute for Advanced Research. He has published more than 100 original scientific research papers concerning the molecular physiology of Na<sup>+</sup>/glucose co-transporter, extracellular matrix - cell signaling in the glomerulus, and the role of RabGTPase 34 and its effector- hunc 13 in the regulation of the plasminogen/plasmin system and apoptosis. He has played a national leadership role in Clinician Scientist Training, serving at the University of Toronto as Director of the MD/PhD Program (since 1984), Director of the Royal College Clinical Investigator Program (CIP) (since 1995), and Director of the Institute of Medical Science (1991-2000). He is currently Chair of the Royal College CIP advisory committee (since Dec. 2000).

## **JACQUES SIMARD**

Jacques Simard est titulaire de la Chaire de recherche du Canada en oncogénétique de l'Université Laval et directeur du Laboratoire de génomique des cancers au Centre de recherche du CHUQ/ CHUL. Il est l'auteur de plus de 260 publications et il a reçu de nombreux prix et distinctions. Il a joué un rôle de premier plan dans la compréhension des enjeux scientifique et technologique en génétique et génomique humaine. De plus, il a aussi joué un rôle significatif dans l'organisation stratégique de la recherche en santé au Canada à titre de membre du Conseil de Recherches Médicales du Canada, du Comité de gestion de l'Initiative de Recherche sur le Cancer du Sein du Canada. Il siège actuellement au Conseil sectoriel des investissements technologiques du Fonds de Solidarité FTQ, au Conseil d'administration de Génome Canada et au Conseil consultatif ministériel des sciences de Santé Canada.

## **PETER SINGER**

Peter Singer is one of Canada's most creative health researchers and one of the world's leading bioethics scholars. His original contributions have led to improvements in end of life care, fair priority setting, and bioethics teaching. A Canadian Institutes of Health Research Distinguished Investigator, Singer has published over 200 papers, received \$50 M in research grants, and trained 50 graduate students and fellows. His current research on harnessing life sciences for global health has contributed to the Gates Foundation's Grand Challenges initiative, and Canada's approach to research and development spending on developing world challenges.

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## **BHAGIRATH SINGH**

Bhagirath Singh is currently Professor in the Department of Microbiology and Immunology at the University of Western Ontario. He has also served as deputy director of the John P. Robarts Research Institute (1997-2000), co-director of the Immunology Program (1992- 1997) and department chair (1992-2000). Dr. Singh has been scientific director of the CIHR Institute of Infection and Immunity (III) since its inception. He has pioneered new approaches for the immunotherapy of type 1 diabetes. He was first to discover that this spontaneous autoimmune disease and its recurrence could be prevented by immunization with microbial agents such as adjuvants. This discovery had a major impact in our understanding of the role of innate immunity in the prevention of type 1 diabetes and is currently known as "hygiene hypothesis". Dr. Singh has received scholarship and scientist awards from the Alberta Heritage Foundation for Medical Research. In 2004, he became a Fellow of the Royal Society of Canada.

## **EMIL SKAMENE**

Emil Skamene is Professor of Medicine and Human Genetics at McGill University and Director of Research for the McGill University Health Centre. Dr. Skamene founded The McGill Centre for the Study of Host Resistance. His major scientific contribution has been the identification of genes controlling susceptibility to infectious diseases, such as tuberculosis, leprosy and malaria. Dr. Skamene's many scientific awards include the Izaak Walton Killam Memorial Prize (1992) by the Canada Council, the Léo-Pariseau Prize (1994) from the Association canadienne-française pour l' avancement des sciences, Fellow of the Royal Society of Canada, and the 2001 Prix du Québec for his accomplishments. In 2005, Dr. Skamene was appointed Chevalier de l' Ordre national du Québec.

## **INGRID SKETRIS**

Ingrid Sketris is a Professor of Pharmacy at Dalhousie University. She was President of the Association of Faculties of Pharmacy of Canada and is a fellow of the Canadian Society of Hospital Pharmacists and the American College of Clinical Pharmacy. She is one of 12 chairs funded by CHSRF/CIHR as part of the Capacity for Applied Developmental Research and Evaluation in Health Services program. Her research involves examining approaches to increase the uptake of evidence-based drug therapies and the effectiveness of policy levers used by pharmacare programs to provide effective and affordable drugs. She has received the "best teacher" award three times.

## **ELDON R. SMITH**

Eldon R. Smith became Chief of Cardiology at the University of Calgary in 1980. He later served as Chairman of Medicine and Associate Dean before becoming Dean of the Faculty in 1992. He has been President of the Canadian Cardiovascular Society and the Association of Canadian Medical Colleges. He is Director and President of the Peter Lougheed Medical Research Foundation and a Trustee of the Alberta Heritage Foundation for Medical Research. He has received numerous awards and recognitions including the 125th Anniversary of Canada Medal, the CMA Medal of Service, and the Order of the University of Calgary. Dr. Smith has published more than 250 papers and book chapters and currently serves as Editor in Chief of the Canadian Journal of Cardiology. Dr. Smith was named to the Order of Canada in 2005.



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## **MICHAEL J. SOLE**

Michael Sole is Professor of Medicine and Physiology at the University of Toronto. He was Chief of Cardiology, at the now University Health Network from 1989-1998. He founded and directed The Centre for Cardiovascular Research from 1988-1999 and led its evolution into the Heart and Stroke/Richard Lewar Centre of Excellence at the University of Toronto. He was the first to map brain neurochemical changes in heart attack and failure. With Dr. C.C. Liew, he was the first to determine the genetic code for the human cardiac myosin heavy chain genes and mutations in myosin binding protein C in familial hypertrophic cardiomyopathy; they also developed the first genetic test for viral infection of the heart. His laboratory is currently recognized for pioneering molecular studies of cardiovascular diurnal rhythms.

## **MATTHEW SPENCE**

Matthew Spence served as President and Chief Executive Officer of the Alberta Heritage Foundation for Medical Research (AHFMR) from 1990 to 2004. Trained in neurobiochemistry, he was on faculty at McGill and Dalhousie Universities. In Halifax, he was Director of the Atlantic Research Centre for Mental Retardation, Professor of Paediatrics and Biochemistry at Dalhousie University School of Medicine, a Medical Research Council of Canada Career Investigator, and Chief of Research and a member of the active staff of the Izaak Walton Killam Hospital for Children. He has served as President of the Canadian Society for Clinical Investigation, Vice-president of the MRC, a member of the CIHR Interim Governing Council, the National Cancer Institute of Canada, the Research Council of the Canadian Institute for Advanced Research, the Board of the Institute of Health Economics, and Vice-Chair of the Board of the Canadian Health Services Research Foundation. He is a member of the Board of the Alberta Centre for Child, Family and Community Research, and a member of the Canada Foundation for Innovation. Dr. Spence received the Outstanding Leadership in Alberta Science Award in 2003, and was made an Officer of the Order of Canada in 2004.

## **BONNIE STEVENS**

Bonnie Stevens is Professor at the University of Toronto and Signy Hildur Eaton Chair at the Hospital for Sick Children. She has developed an outstanding nationally funded research program focusing on (i) pain assessment and management in infants and children; (ii) the evaluation of models of health care delivery to children with chronic disease; and (iii) the exploration of the determinants of research utilization in nursing practice. She is the recipient of several research awards, including the Ontario Premier's Research Excellence Award, Canadian Pain Society New Investigator Award, and has over 200 publications and presentations to her credit.

## **MIRIAM STEWART**

Miriam Stewart is Professor in the Faculty of Nursing and in Public Health Sciences, Faculty of Medicine at the University of Alberta. Previously, Dr. Stewart was Director and Chair of the Centre for Health Promotion Studies University of Alberta (1997-April 2001); Director of the Atlantic Health Promotion Research Centre (1992-1997); and, co-principal investigator and co-creator of the Maritime Centre of Excellence on Women's Health (1996-2000). In 2001, Dr. Stewart was appointed as the first Scientific Director of the CIHR Institute of Gender and Health. In this capacity, she has launched numerous strategic research initiatives, built research capacity, fostered innovative knowledge translation strategies, and attracted over 10 million dollars in national and international partnerships.

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## DONALD STUSS

Donald Stuss is Professor of Psychology and Neurology at the University of Toronto and holds the Reva James Leeds Chair in Neuroscience and Research Leadership. He joined Baycrest Hospital in 1989 as founding director of The Rotman Research Institute. Under his leadership, the Institute has become one of the leading brain research centers in the world. Dr. Stuss has authored over 120 peer-reviewed publications and 37 book chapters. His honours include the Order of Ontario (2001), University of Toronto Faculty Award (2004), Fellow of the Royal Society of Canada, and election to University Professor status at the University of Toronto.

## ROGER A. SUTTON

Roger Sutton is Professor Emeritus of Medicine at the University of British Columbia. Following training at Oxford University, Dr. Sutton moved to Vancouver where he subsequently became Head of Nephrology at UBC and Head of Medicine at Vancouver General Hospital. His research interests included basic aspects of renal calcium handling, and clinical studies in renal stone disease. He has published more than 150 articles and was awarded the Medal in Medicine of Royal College of Physicians of Canada in 1978. Between 1996 and 2000, Dr. Sutton was Dean of Medicine at the Aga Khan University in Karachi, Pakistan.

## CHARLES H. TATOR

Charles H. Tator is a Professor of Surgery, University of Toronto, and a neurosurgeon at the Toronto Western Hospital. He is a pioneer in the prevention of head injury and spinal cord injury. His laboratory research is dedicated to increasing the understanding of the mechanisms of spinal cord injury, most notably through his work on the concept of "secondary injury." Dr. Tator has also had an enormous impact outside the laboratory. He has moulded the careers of many neurosurgical clinician-scientists and has touched the lives of countless patients. He is President of Think First Foundation of Canada, an organization that is dedicated to educating children and teens about the prevention of brain and spinal cord injuries. He was the recipient of the Jonas Salk award in 2001, the Terry Fox Award in 2003 and a Member of the Order of Canada in 2000.

## SALLY THORNE

Sally Thorne is Professor and Director of the School of Nursing at the University of British Columbia, Vancouver, Canada. Her research emphasis is the human experience of chronic illness and cancer, especially as it intersects with the structural and ideological underpinnings of our health care delivery system. She maintains active community involvements, bridging the theoretical enterprise with social action and policy processes. She is an expert in the application of qualitative research methodologies to health and health care problems, engaging an analysis of the nature of knowledge claims into considerations of evidence based health care decision making.

## AUBREY TINGLE

Aubrey Tingle was the Founding Director of the BC Research Institute for Children's & Women's Health where he oversaw the development of research support services, strategic scientific goals, financial support and research policy development. Earlier in his research career, Dr. Tingle established a research program in viral causation of arthritis and diabetes using rubella virus as a model system. He helped head an international group in rubella virus biology, diagnosis, adverse reactions and public health policy. Dr. Tingle was founding chair of the Coalition for Health Research in BC, an ad hoc group of research stakeholders that were responsible for planning and obtaining provincial funding for health research in BC. In March 2001, Dr Tingle was appointed first President & CEO of the Michael Smith Foundation for Health Research (MSFHR) and has overseen its remarkable development.

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## JOHANNE TREMBLAY

Johanne Tremblay a contribué à la publication de plus de 210 articles dans le domaine de l'hypertension et à plusieurs brevets. Ses principales réalisations portent sur l'identification de nouveaux mécanismes moléculaires de contrôle de la pression artérielle. Elle a purifié et caractérisé un inhibiteur protéique de la tonine, une voie alternative de génération de l'angiotensine II et découvert la voie de signalisation du peptide natriurétique des oreillettes. Elle a découvert un activateur de la calmoduline et cloné et un nouveau gène surexprimé dans l'hypertension et impliqué dans la régénération rénale. Utilisant la génomique fonctionnelle, elle a localisé sur les chromosomes les déterminants génétiques de la réponse au stress et de plusieurs phénotypes intermédiaires de l'hypertension. Elle a collaboré à la découverte de l'étiologie du syndrome de Cushing impliquant l'expression ectopique de récepteurs surrénaliens. Présidente actuelle de la Société québécoise de l'hypertension, elle a été Présidente de la Société canadienne d'hypertension et du Club de recherches cliniques du Québec.

## RICHARD TREMBLAY

Chercheur, professeur et humaniste, depuis plus de 30 ans, Richard Tremblay travaille à améliorer la société en apprenant à mieux connaître les enfants. Ses travaux de recherche, axés sur le développement de l'enfant et la psychologie de l'éducation, ont grandement contribué à la compréhension des phénomènes de comportement d'agression physique chroniques. Novateur dans ses méthodes, il fut l'un des premiers à intégrer des expérimentations d'intervention préventives dans des études longitudinales. Toutes ces études, menées sur des enfants de la période fœtale à l'adolescence, ont permis la mise en place de programmes de prévention, tant auprès des jeunes femmes enceintes que dans les milieux défavorisés. Aujourd'hui, dans le domaine de la psychologie de l'enfant, les méthodes de recherche ont évoluées, les pratiques sociales ont changé et ces améliorations, nous les devons en partie au professeur Tremblay.

## JACK TU

Jack Tu's research focuses in the area of heart and stroke health services research, with a special emphasis on quality measurement and improvement. He has led research initiatives that have developed Canadian quality indicators and health care report cards for patients hospitalized for acute myocardial infarction and congestive heart failure as part of the Canadian Cardiovascular Outcomes Research Team (CCORT) institute. His work has established a relationship between the annual volume of patients treated by admitting physicians and mortality after heart attack, and his work has directly influenced the standards of care in North American hospitals.

## PETER TUGWELL

Peter Tugwell is Professor of Medicine and Epidemiology Et Community Medicine at the University of Ottawa and is a practicing rheumatologist at the Ottawa Hospital, Ottawa, Canada. Previously, he was Chair of the Department of Clinical Epidemiology and Biostatistics from 1979-1989 at McMaster University followed by Chair of the Department of Medicine at the University of Ottawa and the Ottawa Hospital from 1991-2001. Dr. Tugwell was Founding Director of the International Clinical Epidemiology Network Training Centre at McMaster University, and currently serves as Secretary General to INCLEN's North American group. In 2002 he was awarded a Canada Research Chair. Dr. Tugwell is co-director of a WHO Collaborating Centre for Health Technology, and Coordinating Editor of the Cochrane Musculoskeletal Review Group. Dr. Tugwell is currently leading the BMJ's International Campaign to Revitalize Academic Medicine. He is North American Editor of the Journal of Clinical Epidemiology and also serves as a member of the editorial boards for The American Journal of Medicine, The Journal of Quality and Clinical Practice, Clinical and Experimental Rheumatology, and Clinical Drug Investigation and BioDrugs.

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## JACQUES TURGEON

Jacques Turgeon is Vice-Rector Research, Université de Montréal after having served as Dean of the Faculté de Pharmacie there. Dr. Turgeon's research interests have always been directed towards the study of factors responsible for intersubject variability in drug response and specifically in the role of pharmacogenetics in cardiovascular drug actions. Dr. Turgeon has integrated in vitro (patch-clamp technique, in vitro metabolism and molecular biology) models in his research approaches as well as designed and performed studies in healthy volunteers and patients. He has published more than 85 referred articles and more than 225 abstracts. Dr. Turgeon has received numerous prizes for his research activities as well as recognition by his students. He has previously served as Director of the Quebec Cardiovascular Network of the FRSQ and the Research Director of the Quebec Heart Institute, Laval Hospital.

## JEFFREY TURNBULL

Jeffrey Turnbull is Professor and Chair of the Department of Medicine at the University of Ottawa and the Ottawa Hospital. He is a leading authority in the field of medical training. Previously, he served as Assistant Dean and subsequently Vice Dean: Education at the University of Ottawa. Over the past several years, Dr. Turnbull has contributed nationally and internationally through the AFMC, the RCPSC, the CMA, the AAMC, the CPSO and as President of the MCC. He has pursued his interest in poverty and its effect on health and is currently the Medical Director of the Inner City Health Project for the homeless in Ottawa and is involved in developing educational and health services in Bangladesh, the South Caucasus and Kenya.

## D. LORNE TYRRELL

Lorne Tyrrell is a Professor of Medical Microbiology and Immunology at the University of Alberta and served for 10 years as Dean of the Faculty of Medicine and Dentistry until 2004. He currently holds the CIHR/GSK Chair in Virology at the University of Alberta. In 1986, with Dr. Morris Robins, he began working on a system to identify potent antivirals against hepatitis B virus (HBV) which infects about 400 million people worldwide. Through their work they discovered several potent antivirals against HBV and this resulted in a major collaboration with Glaxo Canada (now GlaxoSmithKline). The collaboration led to the discovery that lamivudine had potent antiviral activity for HBV and today lamivudine is licensed worldwide as the first oral antiviral for the treatment of HBV infections. Dr. Tyrrell was appointed to the Alberta Order of Excellence in 2000, an Officer of the Order of Canada in 2002, a Fellow of the Royal Society of Canada in 2004, and received the F.N.G. Starr Award from the Canadian Medical Association in 2004 and And the principal award of the Manning Foundation for his work on antivirals for HBV.

## JACK UETRECHT

Jack Uetrecht is Professor in the Faculty of Pharmacy at the University of Toronto. His research has focused on the mechanism of idiosyncratic drug reactions with combined approaches involving organic chemistry, drug metabolism, reactive metabolites, immunology, molecular biology and clinical aspects. He holds a CRC chair in Adverse Drug Reactions and is internationally recognized as a leader in this field. He initiated the first Gordon Research Conference on Adverse Drug Reactions and was its first chair. He has chaired many committees including the Scientific Advisory Panel on Hepatotoxicity for Health Canada. He has authored more than 100 research publications, has been on the editorial boards of 7 journals, and won the Student's Administrative Council Undergraduate Teaching Award in 2005 at the University of Toronto.

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## **PATRICK VINAY**

Patrick Vinay has been active in metabolic research pertinent to nephrology and has pursued fundamental and clinical research at Hôpital Notre-Dame de Montréal. He has authored more than 200 publications, including 170 papers related to nephrology and biochemistry of renal problems. From 1988 to 1992, he was President du Fonds de la recherche en Santé du Québec and from 1995 to 2003, Dean of the Faculty of Medicine at Université de Montréal. He has been involved in the activities of international francophone bodies (Conseil scientifique de l'Agence Universitaire de la Francophonie) and became President of the Conférence Internationale des facultés de médecine d'expression française (CIDMEF). He is a member of the Royal Society of Canada and of the Ordre des palmes académiques de France.

## **PETER WALKER**

Peter Walker is currently Dean of the Faculty of Medicine at the University of Ottawa. He developed his research interests in developmental endocrinology while doing his postdoctoral training at UCLA School of Medicine and Université Laval. He has served as a Regional Director of the Medical Research Council and as Deputy Chair of the Expert Panel on Health Professional Human Resources of Ontario. He has also been a member of the Tri-Council Working Group on Ethics in Human Research and is a Past President of the Canadian Society of Endocrinology and Metabolism. Dr. Walker also served as Chair of the Council of Ontario Faculties of Medicine. He is presently Treasurer and a member of the Executive Committee of the International Coordinating Council for Iodine Deficiency Disorders.

## **KEITH WALLEY**

Keith Walley is a Professor in the Department of Medicine (Critical Care) at the University of British Columbia and the Associate Director of McDonald Research Laboratories and the Assistant Head, Basic Research in the Department of Medicine, St. Paul's Hospital, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research. He is researching the genetic determinants of the acute inflammatory response and organ failure associated with sepsis. Dr. Walley aims to clarify the genetic mechanisms that give rise to the inflammatory response and to identify patients who are at risk for adverse outcomes based on their genetic make-up. His awards include the UBC Izaak Walton Killam Memorial Faculty Fellowship (1995-96) and the Distinguished Medical Research Lecturer, UBC Faculty of Medicine, 1999.

## **MAMORU WATANABE**

Mamoru Watanabe is Professor Emeritus Professor of Medicine and former Dean of the Faculty of Medicine of the University of Calgary. Previously, he served as Head of the Division of Medicine, Associate Dean, Undergraduate Medical Education, and Associate Dean Research prior to becoming Dean. His research experiences include basic research in RNA Bacteriophage replication, steroid transport in *Pseudomonas testosteroni*; clinical research in hypertension, aldosterone secretion in pregnancy; and health services research in physician workforce planning and telehealth delivery of health services to rural, remote and aboriginal communities. He has served on a number of provincial and national boards, advisory councils/committees related to medical research, physician workforce, and information and communications technologies.

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## JEFFREY I. WEITZ

Jeffrey Weitz is Professor of Medicine and Biochemistry at McMaster University where he holds a Canada Research Chair in Thrombosis and the HSFO/J.F. Mustard Chair in Cardiovascular Research. With over 200 peer-reviewed publications, Dr. Weitz set the stage for development of thrombin-directed anticoagulants and his work on fibrinolysis has provided new insights into the mechanism of plasminogen activator-induced bleeding. Dr. Weitz is Director of the Henderson Research Centre, a joint venture of McMaster University and Hamilton Health Sciences, and combines basic investigation in coagulation and fibrinolysis with clinical research aimed at diagnosis and treatment of venous and arterial thrombosis.

## CATHARINE WHITESIDE

Catharine Whiteside is Professor of Medicine and Dean of Medicine and Vice-Provost, Relations with Health Care Institutions at the University of Toronto. Her interests include basic research in the field of cellular mechanisms of kidney disease with a particular interest in the study of diabetic nephropathy. Throughout her career as a Nephrologist at the University Health Network and as a researcher, she has engaged in education at all levels in the Medical School. From 1993 to 1999, she was the Graduate Coordinator of the Institute of Medical Sciences and then assumed the position of Associate Dean Graduate and Inter-Faculty Affairs, Faculty of Medicine, University of Toronto. This decanal portfolio has enabled Dr. Whiteside to integrate her expertise in research and education. She is a two time winner of the W. T. Aikens Award for contributions to teaching in the undergraduate medical education curriculum at the University of Toronto.

## DOUGLAS WILSON

Douglas R. Wilson is Professor Emeritus, Faculty of Medicine and Dentistry and School of Public Health at the University of Alberta. Previously at the University of Toronto, he held the positions of Director, Division of Nephrology and Professor of Medicine. In 1984, Dr. Wilson became Dean of the Faculty of Medicine at the University of Alberta, a position he held for 10 years. Subsequently his interests shifted to population and public health and he was instrumental in developing the interdisciplinary Centre for Health Promotion Studies. He has published over 140 scientific papers and his awards include the Certificate of Merit of the Canadian Public Health Association and the Royal College Wightman Visiting Professor of Medicine, and the Alberta Centennial Medal.

## SHARON WOOD DAUPHINEE

Sharon Wood Dauphinee is Professor of Medicine; Physical and Occupational Therapy; and Epidemiology, Biostatistics and Occupational Health at McGill University. For over 20 years she has conducted studies of people with stroke and has a particular interest in health-related quality of life as a therapeutic outcome and on the scientific evidence upon which the rehabilitation of those with stroke is based. Since 2000, she has been an investigator in the Canadian Stroke Network (NCE). Dr. Wood-Dauphinee holds appointments as a Board Member of the Health Assessment Laboratory in Boston, the McGill University Health Centre, the Reference Centre for Quality of Life in Oncology, Kiel, Germany, and the Foundation for the Advancement of International Medical Education and Research in Philadelphia.

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## DONALD WOODS

Donald Woods, a member of the Department of Microbiology & Infectious Disease at the University of Calgary, has held numerous leadership positions at local, provincial and national levels and his research career has earned him numerous awards and distinctions. Using modern techniques of immunology, genomics and molecular biology in combination with a variety of animal model systems, his laboratory has made significant contributions to our understanding of the pathogenesis of disease due to *Pseudomonas* spp. and *Burkholderia* spp. In 1999 he received the Canadian Society of Microbiologists Fisher Scientific Award for life contributions and dedication to advancing Canadian Microbiology.

## SALIM YUSUF

Salim Yusuf is a Professor of Medicine and Clinical Epidemiology and Biostatistics at McMaster University and Director of the Population Health Research Institute. As a Rhodes Scholar, he initiated the concept of large simple trials, coordinating the first ISIS trial and developing concepts of meta-analysis. Subsequently, he has applied these principles to several other areas that led to the SOLVD and DIG trials in heart failure while at the US NIH, and more recently the HOPE, OASIS, CURE and CREATE trials since his move to McMaster University, Canada. He holds a Heart and Stroke Foundation of Ontario Research Chair, is a senior Scientist of the Canadian Institutes of Health Research, and has received several national and international awards for research. His recent interests include societal, biologic and genetic determinants of population health in developing populations, and his studies involve over 66 countries in all the inhabited continents of the world. Dr. Yusuf has received the Lifetime Research Achievement award of the Canadian Cardiovascular Society, the 2001 Prix Galien Canada Research Award, the Lucian Award for Cardiovascular Research 2002, the Paul Wood Silver Medal of the British Cardiac Society 2003, and Fellowship in the Royal Society of Canada (2005) in addition to over 20 other international and national awards for research.

