



The 2012 Henry G. Friesen International Prize Lecture Delivered

Dr. Marc Tessier-Lavigne, President, Rockefeller University, the 2012 Henry G. Friesen International Prize winner, presented a luncheon address to the Canadian Academy of Health Sciences entitled "Brain Development and Brain Degeneration: Molecular Control of Nerve Growth and Pruning" on Thursday, September 20, 2012.



Dr. Marc Tessier-Lavigne

Paul Armstrong Lecture launched at the 7th annual AGM

This Lecture is an expression of gratitude for Paul Armstrong's vision and wisdom that continues to benefit and steer the Academy. Paul's leadership and commitment to advance academic health sciences through academic service and innovation at local, national and international levels has led to achievements that are truly extraordinary. Dr. Jean L. Rouleau delivered the first lecture entitled "How best to bring clinical, health systems and population health research forward in Canada over the next 10 years." Dr. Rouleau is the Scientific Director of the Institute of Circulatory and Respiratory Health of the Canadian Institutes of Health and Research (CIHR), Professor of Medicine, Université de Montréal and Staff Cardiologist, Montreal Heart Institute.



President's Message

For most of you, you are halfway through another academic year with winter terms just about to start – you have submitted one or more grant applications and are well along with teaching commitments. At CAHS we had a very successful annual meeting. Our Forum on END OF LIFE was excellent thanks to the expertise of the speakers and to the hard work of organizers Drs. Deborah Cook, Paul Armstrong, John Cairns and Jay Kalra. We are now in the process of deciding our next steps. We like to continue on to an Assessment based on the Forum but in this instance the Board and the organizers are recommending a different approach. A key message from the Forum was the lack of information readily available to the public about End of Life issues. With this in mind, we are working on an article from the Forum to be published in the CMAJ; a summary of proceedings of the symposium to be published in a peer-reviewed journal; and a "Cast in the Canadian Context" Assessment which will be directed towards increasing the public's knowledge of End of Life issues.

We also seek your support in hosting a national Advance Care Planning Day on Tuesday, April 16, 2013. Particularly, we would like to see CAHS Fellows organize a public lecture and/or Grand Rounds on End of Life Issues in one or more of their academic departments. A slide set from the Forum is available to inform these presentations. Contact Dr. Jay Kalra for additional details at: jay.kalra@saskatoonhealthregion.ca

We have begun planning for next year's Forum to be held at the Chateau Laurier in Ottawa on Thursday, September 19, 2013. The topic - ADDICTIONS - will be led by a committee being established under the direction of Dr. John Cairns and co-chaired by Dr. Anthony Phillips and Dr. Martin Schechter of UBC. Please email your ideas and suggestions for topics and speakers to Dr. Cairns at: jacairns@medd.med.ubc.ca

Based on the enthusiastic reception for scientific presentations from our Fellows at the September 2012 event we will continue to include three presentations featuring the work of our Fellows in 2013. Please send us an abstract of the work you would like to present, and/or suggest a colleague whom we should approach. This section of the meeting - held on the Friday morning - will be preceded by the second Paul Armstrong Lecture. Send your suggestions to Dr. Cairns.

We are working with the Royal Society of Canada and the Canadian Academy of Engineers to develop a proposal for the Council of Canadian Academies' funding renewal proposal to Government. Our relationship with CCA has been excellent. Working with CCA, we have done a few assessments which have been very well received but in order to continue to grow this aspect of our activities we need to strengthen our infrastructure and to do that we require greater support from CCA. We are at a crossroads in our development but ultimately, assessments are where we can make a difference and we would very much like to hear what assessments you would like to see us do next.

We also ask you to turn your attention to the important business of nominating Fellows in 2013. Details are available at: <http://www.caHS-acss.ca/nominations/>. Please accept my best wishes for a happy new year.

Sincerely yours,
Thomas J. Marrie



Dr. Thomas J. Marrie



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Watch for the Fellowship survey - coming by email

The CAHS was founded in 2004 and we have now reached a membership of about 450 fellows. There was a great turnout for the September 2012 Forum and AGM in Ottawa, and assessment activities are going well. The Board and its subcommittees are active. The ongoing success of any academy depends upon the active engagement of its fellows.

The CAHS Board is eager to hear from fellows about their current levels of engagement with CAHS, their visions for the sustained success of CAHS and their suggestions for CAHS initiatives that will appeal to fellows and enhance their engagement.

You will soon receive a request to complete a brief survey to delineate fellow engagement with CAHS. Please complete the survey when you receive it. Input from CAHS fellows is vital to effective planning for the future. This is **your** academy.

CAHS Nomination information for 2013 is coming soon

Information about the 2013 nomination process will be coming to fellows soon. Nominations will be adjudicated by the Fellowship Committee in April 2013. New Fellows will be inducted into the Academy at the dinner ceremony on Thursday, September 19, 2013 during the Annual General Meeting, at the Chateau Laurier Hotel in Ottawa.

Fellows elected to the Academy will be health and biomedical science leaders who are 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.

Individuals are elected to the organization after a nominating and peer review procedure, which seeks to recognize those who have a demonstrated track record of academic achievement. The review places considerable emphasis on established, internationally recognized, impact leadership that has meaningfully advanced academic health sciences.

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.

Please visit our website at <http://www.cahs-acss.ca/nominations/> to access the nomination form.



Foreign Secretary's Report

The CAHS global health report, which was published a year ago, has stimulated discussion in the global health research community and influenced the strategic plans of the Global Health Research Initiative and Grand Challenges Canada.

IAP – the global network of science academies is holding a meeting in Rio in February, hosted by the Brazilian Academy of Sciences, on “Grand Challenges and Integrated Innovations: Science for Poverty Eradication and Sustainable Development.” For more information please see here: <http://www.interacademies.net/Activities/10880/18317.aspx>

HOLD THE DATE: ANNUAL SYMPOSIUM SEPT 19, 2013. TOPIC: ADDICTION

The CAHS annual symposium will focus on addiction. This problem has tremendous social, health and legal implications for Canadians. Canadian research and innovative management programs have achieved international prominence. The CAHS is delighted that the symposium planning committee will be co-chaired by Dr Anthony Phillips, a fellow of CAHS, and Director of the CIHR Institute of Neurosciences, Mental Health and Addiction and by Dr Martin Schechter, a past president of CAHS. They are being ably assisted by an outstanding planning group. The Committee is asking for the input of CAHS fellows as the program is being planned. The committee would like to receive your ideas about the program, including scope of the forum (all addictions vs. more narrowly focused types such as street drugs and or alcohol and or gambling and or other types of addiction) and what would constitute appropriate coverage of the scientific/research underpinnings of our knowledge, the dimensions of the problem (social, legal, health), and current approaches to mitigation of the problem. All suggestions will be welcomed by the planning committee.

Please email your ideas and suggestions for topics and speakers to Dr. Cairns at: jacairns@medd.med.ubc.ca

Early Childhood Development

A Major Assessment Conducted Jointly by The Royal Society of Canada (RSC) and The Canadian Academy of Health Sciences (CAHS)

The objective of the Canadian Academy of Health Sciences is to provide assessments of and advice on key issues relevant to the health of Canadians. On November 15, 2012, the Panel released its latest report at a press conference in Ottawa. The report is freely available for download from the Canadian Academy of Health Sciences website: www.cahs-acss.ca

It is now generally accepted that child, adolescent, and adult mental health, effective functioning, and well-being all result from a complex array of biological, social, and environmental factors. In order to advance public discussion on the issue of the role early adversity plays in these matters, the Royal Society of Canada (RSC) and the Canadian Academy of Health Sciences (CAHS) appointed an Expert Panel on Early Childhood Development. The Panel was chaired by Prof. Michel Boivin, FRSC, Professor and Canada Research Chair in Child Development, at Université Laval and Dr. Clyde Hertzman, FRSC, FCAHS, Director of the Human Early Learning Partnership and Professor in the School of Population and Public Health at The University of British Columbia. The Panel was given a mandate to consider a large body of scientific evidence that, if summarized for the public, would be helpful to their consideration of the issues surrounding early childhood development. While the RSC itself does not have an opinion on these matters, the Panel was struck as a service to Canadians, who would benefit from having a careful, balanced review of the publicly available evidence in this matter of critical importance to Canada. The sponsor of the assessment was the Norlein Foundation of Calgary, AB.

The main questions that are addressed in the report include:

1. Are there identifiable adverse childhood experiences such as abuse, neglect, chronic poverty, family dysfunction, chronic illness, family addiction and/or mental illness that lead to poor mental health and unhealthy behaviours, such as addiction, in the adolescent and young adult? Is there evidence that they have their effects through changes to brain structure and function? Do these factors operate together to produce their changes? Are there factors that mitigate the influence of adverse early experiences?
2. What is the evidence for the effectiveness of a variety of interventions to mitigate the adverse effects of environmental influences [including social, political and chemical/biological] on the developing child? To what extent are such interventions being implemented in Canada?



Remember the CAHS On-Line Portal

Released at the end of July, 2012 the online Fellows Portal is designed to enhance your membership. This technology permits you to update your online profile, upload your photograph and more easily communicate with other CAHS Fellows. It will now be possible to upload your full CV/resume in the CAHS Private Profile directory providing a full and complete record of your expertise and enhancing our ability to identify and engage you in relevant activities.

Welcome to the New Fellows of 2012

Congratulations to our new fellows who were inducted at the September 2012 meeting in Ottawa. Their bios, as well as those for all Fellows of the Academy, may be found on our website at:

<http://www.cahs-acss.ca/the-fellows/>

Benjamin Alman	MED	University of Toronto	Andrei V. Krassioukov	MED	University of British Columbia
Todd Anderson	MED	University of Calgary	Gary Lewis	MED	University of Toronto
William Avison	MED	University of Western Ontario	Joel Lexchin	MED	York University
Ross Baker	MED	University of Toronto	Christopher Warren Loomis	MED	Memorial University
Regina Browne	NUR	McMaster University	Andres M. Lozano	MED	University of Toronto
Roy Cameron	MED	University of Waterloo	Gregory P. Marchildon	MED	University of Regina
Ann Chambers	MED	University of Western Ontario	Robin S. McLeod	MED	University of Toronto
William Clark	MED	University of Western Ontario	Steven A. Narod	MED	University of Toronto
Donald Cockcroft	MED	University of Saskatchewan	Christian C. G. Naus	MED	University of British Columbia
Kerry Courneya	MED	University of Alberta	Peter William Nickerson	MED	University of Manitoba
Barbara Croy	VET	Queen's University	Beverley Anne Orser	MED	University of Toronto
Denis Daneman	MED	University of Toronto	Marc Ouellette	MED	Université Laval
Heather Dean	MED	University of Manitoba	Jacques Pepin	MED	Université de Sherbrooke
Raisa Deber	MED	University of Toronto	Constantin Polychronakos	MED	McGill University
E.P. Diamandis	MED	University of Toronto	Linda Rabeneck	MED	University of Toronto
Ivan Fantus	MED	University of Toronto	Kim Denise Raine	MED	University of Alberta
Eduardo Franco	MED	McGill University	Reinhart Reithmeier	MED	University of Toronto
Jan Friedman	MED	University of British Columbia	Molly S. Shoichet	MED	University of Toronto
Rebecca Fuhrer	MED	McGill University	Weihong Song	MED	University of British Columbia
Subrata Ghosh	MED	University of Calgary	Timothy Richard Stockwell	MED	University of Victoria
B. R. Hemmelgarn	MED	University of Calgary	Marcello A. Tonelli	MED	University of Alberta
Jody S Heymann	MED	McGill University	Rhian M. Touyz	MED	University of Glasgow
William Honer	MED	University of British Columbia	Christos Tsoukas	MED	McGill University
David A. Hood	MED	York University	Brian J. Ward	MED	McGill University
Brian Kavanagh	Med	University of Toronto	Eric M. Yoshida	MED	University of British Columbia
Richard Brian Kim	PHARM	University of Western Ontario	Bernard Zinman	MED	University of Toronto
L. Kirshenbaum	MED	University of Manitoba			



Three CAHS Fellows are 2012 Laureates of the Canadian Medical Hall of Fame

The Canadian Medical Hall of Fame (CMHF) was established in 1994 with the mission focused on celebrating Canada's medical heroes of the past and present. The Canadian Medical Hall of Fame laureates are Canadian citizens, living and posthumous, whose outstanding contributions to medicine and the health sciences have led to extraordinary improvements in human health. Their work may be a single meritorious contribution or a lifetime of superior accomplishments. Pioneers in their field, they are considered role models who inspire young Canadians to pursue careers in the health sciences. For more information: <http://www.cdnmedhall.org/induction>

Dr. Antoine Hakim is among the world's greatest neurologists. His focus: stroke. Dr. Hakim is the visionary behind the Canadian Stroke Network (CSN) – a national cadre of researchers and clinicians representing universities, government and non-profit organizations whose goal is to alleviate the burden of stroke on individuals, families and societies. As CSN's founding CEO and Scientific Director, Dr. Hakim and his team championed the Canadian Stroke Strategy in 2005 in partnership with the Heart and Stroke Foundation of Canada which resulted in almost every Canadian province adopting a stroke strategy. Within five years, Ontario alone saw stroke patient admissions decrease by 11% and referrals to stroke prevention clinics increase by 34%. It takes steely resolve to change a health care system to that degree. Dr. Hakim heads up the Neuroscience Program at the Ottawa Hospital Research Institute, and is a professor of Neurology at the University of Ottawa.

Dr. Arnold Naimark transformed a "clinically-focused Prairie school" (i.e. the University of Manitoba) into a school with areas of research excellence second-to-none in Canada. During his tenure as Dean of the Faculty of Medicine, he created the Northern Medical Unit which became a model for health care delivery to the First Nations, Metis and Inuit. As university President, Dr. Naimark built, shaped and reengineered an unfathomable number of organizations and institutions. His leadership, powerful analytical skills, strategic insight, and deep wisdom has to this day put him in high-demand on the national and international health circuit where he continues to contribute to initiatives that aim to address the world's most pressing health issues.

Considered one of the early pioneers in paediatric gastroenterology, **Dr. Claude Roy** is a man of science and humanism who always puts the child first. An outstanding researcher, teacher and clinician, Dr. Roy played a leading role in the transformation of Ste-Justine University Hospital in Montreal, now an internationally-respected health centre. His research, including infant nutrition, chronic liver disease in children and gastrointestinal and hepatobiliary manifestations of Cystic Fibrosis, has had a major impact on the health of children everywhere. Dr. Roy's ongoing worry that today's clinicians are becoming increasingly disengaged from scientific research has prompted him to take action both at a national systemic level and with his own local investigators. Not one to sit back, Dr. Roy works tirelessly to create training programs that are more effective in developing the Clinical Scientist – a key player for the future of the science and practice of medicine.

CAHS Fellow named President and CEO of the Arnold P. Gold Foundation

After an extensive search, The Arnold P. Gold Foundation (www.humanism-in-medicine.org) announced that **Dr. Richard I. Levin**, has been selected as the first external President and CEO of the Gold Foundation. An internationally recognized physician scientist, scholar, cardiologist and educator, Dr. Levin has a remarkable range of experience leading academic medical institutions in the joint missions of education, research, patient care and advocacy, and voluntary health organizations in program and philanthropic development. He is currently a Senior Scholar in Residence at the Association of Academic Health Centers in Washington, DC, and was previously Vice Principal for Health Affairs and Dean of the Faculty of Medicine at McGill University in Montreal, as well as Vice Dean for Education, Faculty and Academic Affairs at New York University. The author of numerous papers, Dr. Levin has lectured widely in the United States and abroad and is the past recipient of honours both in the U.S. and Canada. He has been a national board member and officer of numerous professional U.S. organizations including Past President of the New York and Heritage affiliates of the American Heart Association.

The Arnold P. Gold Foundation, established in 1988, is a not-for-profit organization dedicated to improving the quality of healthcare by enhancing the doctor-patient relationship. It encourages the development of physicians who combine the high tech skills of cutting-edge medical science with the high touch skills of communication, empathy and compassion.

Secretary's Note

Your CAHS Board continues to make a commitment to explore more and better ways to connect to and engage our Fellows in the activities and future planning of our Academy. Please tell us what you think and share your ideas with us. Thank you.....Robert Sindelar