

2015 Research Award Recipients

FELLOW OF THE ROYAL SOCIETY OF CANADA

“Dr. Anne-Claude Gingras

is an internationally recognized leader in the field of systems biology, having developed and applied innovative new technologies and analysis tools for understanding complex protein-protein interactions associated with human diseases. Her tools and data analysis methods are used by researchers across the globe.”

- Royal Society of Canada



Anne-Claude Gingras, PhD, FRSC
Professor, Department of Molecular Genetics
Senior Investigator, Lunenfeld-Tanenbaum
Research Institute of Sinai Health System

FELLOW OF THE ROYAL SOCIETY OF CANADA



“Dr. Andreas Laupacis

has made major contributions to the field of clinical epidemiology. His studies have influenced practice and health policy around the world in areas such as stroke prevention and kidney disease. He has led research institutes in Ottawa and Toronto, and has advocated for evidence-based health policy making and citizen engagement.”

- Royal Society of Canada

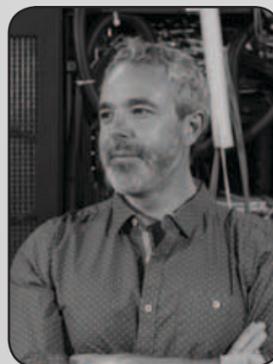
Andreas Laupacis, MD, MSc, FRSC
Professor, Department of Medicine
Executive Director, Li Ka Shing Knowledge Institute
of St. Michael's Hospital

FELLOW OF THE ROYAL SOCIETY OF CANADA

“Dr. Brendan Frey

has contributed to the emergence of new fields of research in machine learning and genome biology. He was one of the first researchers to successfully train a deep neural network, and he was a pioneer in the development of message passing algorithms. He co-developed the long-sought-after ‘splicing code’ for determining how genes are expressed and introduced a new approach to understanding the genetics of disease.”

- Royal Society of Canada



Brendan Frey, PhD, FRSC
Professor, Department of Electrical & Computer Engineering
and Donnelly Centre for Cellular and Biomolecular Research

2014 CIHR HEALTH RESEARCHER OF THE YEAR FELLOW OF THE ROYAL SOCIETY OF CANADA

Dr. Arthur Slutsky

was named CIHR Health Researcher of the Year in honour of his outstanding research in critical care medicine and pulmonary care.

Dr. Slutsky “has made important discoveries related to the benefits and complications of mechanical ventilation, a life-sustaining therapy in critically ill patients. He has published over 450 peer-reviewed articles and his innovative work has played a major role in improving the way that mechanical ventilation is delivered, resulting in decreased mortality in patients with respiratory failure.”

- Royal Society of Canada



Arthur S. Slutsky, MD, MASC, FRSC, FCAHS
Professor, Department of Medicine
Vice President, Research,
St. Michael's Hospital

MEMBER OF THE COLLEGE OF NEW SCHOLARS, ARTISTS AND SCIENTISTS, ROYAL SOCIETY OF CANADA



“Dr. Subodh Verma

oversees a dynamic research laboratory that focuses on deciphering the roles of risk factors, inflammation and autophagy in cardiovascular health. His innovative endeavours have contributed to the linking of C-reactive protein with endothelial dysfunction/atherosclerosis and the discovery that the breast cancer gene BRCA1 is also a critical gatekeeper of cardiovascular function.”

- Royal Society of Canada

Dr. Verma also spearheads the CARDIOLINK clinical trials hub, aimed at improving care for patients with cardiovascular disease and diabetes.

Subodh Verma, MD, PhD, FRSC
Professor, Department of Surgery
Scientist, Keenan Research Centre for Biomedical Science
and Li Ka Shing Knowledge Institute of St. Michael's Hospital

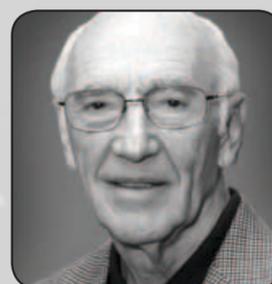
INDUCTEES TO THE CANADIAN MEDICAL HALL OF FAME

Dr. Alan Bernstein

is renowned for his research leadership, both in Canada and internationally. A globally recognized cancer and stem cell researcher and former Director of Research at the Samuel Lunenfeld Research Institute, Dr. Bernstein served as founding president of the Canadian Institutes for Health Research (CIHR). There, he led a revitalization of the health research landscape in Canada, including a nearly three-fold increase in Canada's budget for health research. Dr. Bernstein has also served as executive director of the Global HIV Vaccine Enterprise in New York and is now President and CEO of the Canadian Institute for Advanced Research (CIFAR).



Alan Bernstein, OC, PhD, FRSC
Adjunct Professor, Department of
Molecular Genetics
President and CEO, Canadian
Institute for Advanced Research



Bernard Langer, OC, MD, FRSC
Professor and Chair Emeritus,
Department of Surgery

Dr. Bernard Langer's

innovations in surgical practice, policy, and education have had a profound impact on surgery in Canada and abroad. A recognized pioneer of hepato-pancreato-biliary (HPB) surgery, he developed a world-leading HPB and liver transplant service at Toronto General Hospital. As Chair of the Department of Surgery, Dr. Langer led the integration of surgical practice and research training by establishing the widely emulated Surgeon Scientist Program. He extended these innovations nationally through his leadership of the Royal College of Physicians and Surgeons of Canada, participating in the creation of the RCP-SC Clinician Investigator Program and the Canadian Patient Safety Institute.

FELLOW OF THE CANADIAN ACADEMY OF HEALTH SCIENCES MEMBER OF THE ORDER OF CANADA O. HAROLD WARWICK PRIZE, CANADIAN CANCER SOCIETY



Laurence Klotz, CM, MD, FRSC, FCAHS
Professor, Department of Surgery
Affiliate Scientist, Sunnybrook Research Institute, and
Chief of Urology, Sunnybrook Health Sciences Centre

Dr. Laurence Klotz's

research in uro-oncology has had an international impact on prostate cancer research, care and prevention. His leadership of active surveillance and selective delayed intervention approaches to prostate cancer led to their wide acceptance, reducing over-diagnosis and over-treatment of prostate cancer globally. Dr. Klotz was appointed to the Order of Canada “for his contributions to the treatment of prostate cancer, notably for leading the adoption of active surveillance as a standard aspect of patient care.”

FELLOW OF THE CANADIAN ACADEMY OF HEALTH SCIENCES ROBERT L. MOODY PRIZE FOR DISTINGUISHED INITIATIVES IN BRAIN INJURY RESEARCH AND REHABILITATION, U. OF TEXAS MEDICAL BRANCH SCHOOL OF HEALTH PROFESSIONALS



Angela Colantonio, PhD, FACRM, FCAHS
Professor, Department of Occupational Science and Occupational Therapy
Director, Rehabilitation Sciences Institute
Senior Scientist, Toronto Rehabilitation Institute, UHN

“Dr. Angela Colantonio

leads a broad, internationally recognized program of research on acquired brain injury (ABI) examining ABI in the population, targeting injury prevention and post-acute care with a special focus on how ABI impacts the lives of those most vulnerable to health service inequities, such as homeless and older adults and high-risk workers. Dr. Colantonio's research program also examines work-related traumatic brain injury, long term outcomes among women with ABI, the impact of sex/gender on outcomes, and innovative approaches to intervention, such as the use of theatre as a knowledge mobilization strategy.”

- U. of Texas Medical Branch

FELLOW OF THE CANADIAN ACADEMY OF HEALTH SCIENCES DISTINGUISHED SERVICE AWARD, CANADIAN SOCIETY FOR EPIDEMIOLOGY AND BIostatISTICS

Dr. Susan Jaglal

is a leading researcher of rehabilitation health service utilization, appropriateness, and effectiveness, particularly for osteoporosis and hip fractures and for rare neurological conditions. She spearheaded a provincial initiative to develop a bone mineral density testing program and evaluate Ontario's Osteoporosis Program, and is leading national efforts to develop a self-management program for persons with spinal cord injury and a quality of care indicator framework that will be shared with international partners.

Susan Jaglal, PhD, FCAHS
Professor and Vice-Chair, Research, Department of Physical Therapy
Associate Academic Director of Research, Toronto Rehabilitation Institute, UHN



Photo: GJ Baylton

FELLOW OF THE CANADIAN ACADEMY OF HEALTH SCIENCES

Dr. Katherine Siminovitch,

a leading genomics researcher, uses mouse models and studies with human patients to characterize genes and signaling pathways that regulate immune responses and contribute to immunologic diseases. Her groundbreaking discoveries have included a genetic marker for an inherited immune system disorder called Wiskott-Aldrich syndrome, as well as a gene that can contribute to the risk of Crohn's disease and a genetic pathway involved in liver disease. Through her research, Dr. Siminovitch aims to develop new personalized medicine approaches for chronic diseases.



Katherine Siminovitch, MD, FRSC, FRCPC, FCAHS
Professor, Department of Medicine
Senior Investigator, Lunenfeld-Tanenbaum Research Institute of Sinai Health System
Senior Scientist and Director, Fred Litwin Centre for Genetic Medicine, UHN

BOUNDLESS DISTINCTION