2015 Research Award Recipients

**FELLOW OF THE ROYAL SOCIETY OF CANADA**

**Dr. Anne-Claude Gingras**
Professor, Department of Molecular Genetics
Senior Investigator, Lunenfeld-Tanenbaum Research Institute of Sinai Health System

Dr. 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 systems biology approaches have led to the discovery of biomarkers that can identify high-risk individuals, as well as therapies that can improve outcomes for patients with cardiovascular disease and diabetes.

**Dr. Andreas Laupacis**
Research Institute of Sinai Health System
Senior Investigator, Lunenfeld-Tanenbaum Professor, Department of Molecular Genetics

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 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.

**Dr. Brendan Frey**
Professor, Department of Electrical & Computer Engineering
Executive Director, Li Ka Shing Institute of Vascular and Critical Care Medicine

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 his innovative work has played a major role in improving the way that artificial intelligence is delivered, resulting in decreased mortality in patients with respiratory failure.

**Dr. Subodh Verma**
Professor, Department of Surgery
Scientist, Keenan Research Institute for Biomedical Science and Li Ka Shing Knowledge Institute of St. Michael’s Hospital

Verma is renowned for his research leadership, is a critical gatekeeper of cardiovascular health, and focuses on deciphering the roles of risk factors, inflammation and autophagy in cardiovascular health. His innovative endeavors 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.

**Dr. Alan Bernstein**
Professor and Chair Emeritus, Sunnybrook Health Sciences Centre

Bernstein is renowned for his research leadership, both in Canada and internationally. A globally recognized cancer researcher, cell biologist 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 the revitalization of the health research landscape in Canada, including a nearly three-fold increase in Canadian government funding 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).