

## 2015 Research Award Recipients

### ORDER OF ONTARIO

#### “Dr. Patrick Gullane

is one of the world’s pre-eminent leaders in research and clinical medicine and specialists in Otolaryngology-Head and Neck Surgery. Because of Patrick, what has been disfiguring or even impossible surgery for malignancies is now surgery that saves lives and provides a better quality of life with hope. He has decreased morbidity and mortality in some of the most complex head and neck cases, pushing the limits of surgical techniques, and his work has changed the way in which physicians approach patient care.”

- Lieutenant Governor of Ontario



**Patrick Gullane, CM, OOnt, MB, FRCSC, FACS, FRACS(Hon), FRCS(Hon), FRCSI(Hon)**  
Professor, Department of Otolaryngology-Head and Neck Surgery  
Wharton Chair in Head and Neck Surgery,  
Princess Margaret Cancer Centre, UHN

### ORDER OF ONTARIO



#### “Dr. Hans Messner,

a renowned scientist and physician, is recognized for his pioneering work in bone marrow and stem cell transplantation. Dr. Messner has taken what was once considered experimental and made it routine and in doing so has extended the lives of thousands of blood cancer patients.”

- Lieutenant Governor of Ontario

Dr. Messner developed assays and cell lines used worldwide to study leukemia, lymphoma, and myeloma and established Canadian clinical excellence in transplantation as long-term Director of Princess Margaret’s Bone Marrow Transplant program.

**Hans Messner, OOnt, MD, PhD, FRCPC**  
Professor, Department of Medicine  
Princess Margaret Cancer Centre, UHN

### ORDER OF ONTARIO

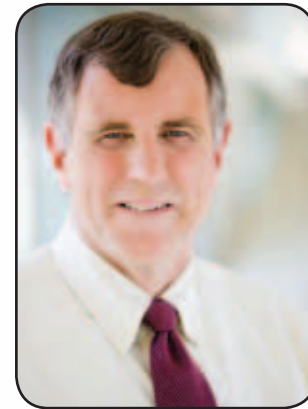
#### Dr. Gary Levy,

recognized worldwide for innovation in medicine and immunology, was founding Director of the Multi-Organ Transplant Program at the University Health Network and of the University of Toronto Transplant Institute. He developed Canada’s first multi-disciplinary transplant program, where doctors, scientists, and therapists collaborate with the support of government, industry and philanthropists. He led teams pioneering live donor liver transplantation in Canada and studying how to increase organ donation. An exemplary caregiver, researcher, teacher, and leader, Dr. Levy invented the practice and science of organ transplantation.



**Gary A. Levy, OOnt, MD, FRCPC, AGAF**  
Professor, Department of Medicine  
Senior Scientist, Toronto General Research Institute, and  
Director, Living Donor Liver Program, Toronto General Hospital, UHN

### ORDER OF ONTARIO



#### “Dr. Dave Williams

is a renowned Canadian astronaut, physician and aquanaut. He has participated in two NASA space missions conducting some of the first surgeries in space, and is the Canadian record holder for space walks. Currently, he is the President and CEO of Newmarket’s Southlake Regional Health Centre.”

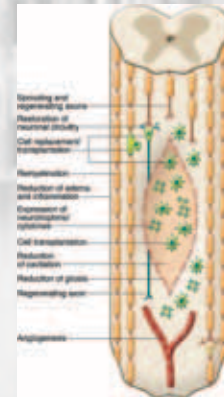
- Lieutenant Governor of Ontario

**Dave Williams, OC, OOnt, MSc, MD, CM, FCFP, FRCP, LLD(Hon), DSc(Hon)**  
Assistant Professor, Department of Surgery  
President and CEO, Southlake Regional Health Centre

### MEDAL OF HONOUR, RX&D HEALTH RESEARCH FOUNDATION

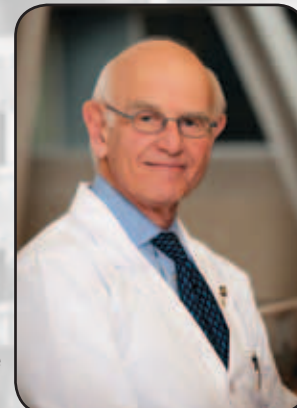
#### Dr. Charles Tator

received the Medal of Honour for his career contributions to research in the field of brain and spinal cord injuries. Dr. Tator developed the first acute spinal cord care unit in Canada and founded the Think First Foundation of Canada for prevention of brain and spinal cord injuries caused by sports, recreation and



Potential mechanisms of spinal cord repair following stem cell transplantation

other causes. His clinical research seeks to improve the acute management of spinal cord injury, brain lesions, and concussion. He has introduced novel experimental models for the study of spinal cord injury and is exploring the use of stem and progenitor cells for spinal cord regeneration.



**Charles Tator, CM, MD, MA, PhD, FRCSC, FACS, FCAHS**  
Professor, Department of Surgery  
Senior Scientist, Krembil Research Institute, UHN

### RESEARCH CANADA LEADERSHIP AWARD



#### Dr. Michael Julius

received the inaugural Research Canada Leadership Award for his outstanding advocacy for health research as the former Director and Chair of Research Canada, where he developed an innovative model for health research advocacy and policy evaluation called the Functional Innovation System. The system rejuvenated evidence-based dialogue about research policy among health research stakeholders in Canada. Dr. Julius is Vice President of Research at Sunnybrook Health Sciences Centre and Sunnybrook Research Institute.

**Michael Julius, PhD**  
Professor, Departments of Immunology and Medical Biophysics  
Vice President, Research, Sunnybrook Research Institute  
and Sunnybrook Health Sciences Centre

### ROBERT L. NOBLE PRIZE, CANADIAN CANCER SOCIETY



#### Dr. Rama Khokha

was awarded the Robert L. Noble Prize for her exceptional contributions to cancer research, including her discovery of the impact of progesterone on breast stem cells and cancer risk. Her development of innovative screening methods and novel genetic mouse models has led to significant advances in understanding cancer disease processes and the tumour microenvironment.

**Rama Khokha, PhD**  
Professor, Department of Medical Biophysics  
Senior Scientist, Princess Margaret Cancer Centre, UHN

# BOUNDLESS ACHIEVEMENT

### SENIOR INVESTIGATOR AWARD, HYPERTENSION CANADA



#### Dr. Alexander Logan’s

career in hypertension research has focused on the diagnosis, management and treatment of difficult-to-control high blood pressure. His research contributions include innovations in home blood pressure tracking, evaluations of existing hypertension treatments, and studies of the relationship between fluid movement in the legs, hypertension and sleep apnea.

**Alexander Logan, MD, FRCPC**  
Professor, Department of Medicine  
Senior Investigator, Lunenfeld-Tanenbaum  
Research Institute of Sinai Health System

### HEINZ LEHMANN AWARD, CANADIAN COLLEGE OF NEUROPSYCHOPHARMACOLOGY

The Heinz Lehmann Award recognizes outstanding contributions by a single individual in the field of neuropsychopharmacology research in Canada.

#### Dr. Derek van der Kooy

received the Heinz Lehmann Award for basic research in recognition of his contributions to understanding of neural development and stem cells; of the neurobiology of motivation, including the neural mechanisms underlying the effects of and responses to opiates in the brain; and of mechanisms underlying learning and memory.

**Derek van der Kooy, PhD**  
Professor, Department of Molecular Genetics



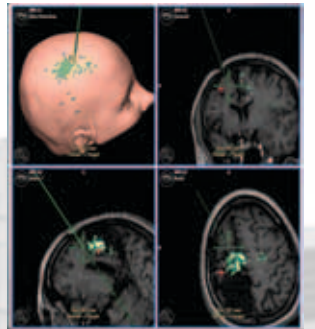
Photo: Michael Glassman

### WILDER PENFIELD LIFETIME ACHIEVEMENT AWARD, CANADIAN LEAGUE AGAINST EPILEPSY



#### Dr. Carter Snead

was awarded the Wilder Penfield Award in recognition of his distinguished career in pediatric epilepsy research. His influential and innovative research has developed new animal models for investigation of generalized absence seizures, has introduced new avenues for the treatment of spasms in infants, and has pioneered the use of magnetoencephalography (MEG) as a diagnostic tool to improve outcomes for epilepsy surgery.



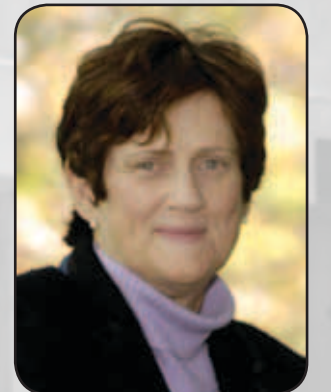
Intraoperative image-guided mapping of MEG Spike cluster in child undergoing epilepsy surgery

**O. Carter Snead III, MD, FRCPC**  
Professor, Department of Paediatrics  
Senior Scientist, SickKids Research Institute,  
The Hospital for Sick Children

### LIFETIME ACHIEVEMENT AWARD, CANADIAN BREAST CANCER FOUNDATION WOMAN OF ACTION AWARD, ISRAEL CANCER RESEARCH FUND

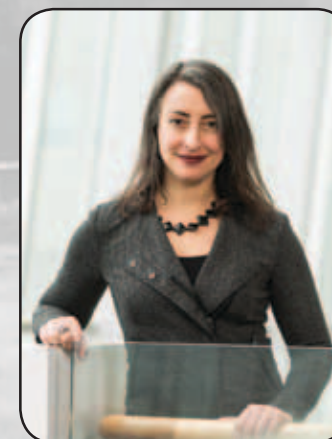
#### Dr. Kathleen Pritchard

is an acclaimed leader of national and international multi-centre clinical trials of new breast cancer therapies, including adjuvant therapy, hormonal therapy, chemotherapy, and optimal locoregional therapy. Her distinguished research career at Sunnybrook Health Sciences Centre has included correlative and translational research and promotion of tumour, tissue, serum and data banking. She was honoured by the Israel Cancer Research Fund for her scientific research leadership and by the Canadian Breast Cancer Foundation for her dedicated career advancing Canadian breast cancer research.



**Kathleen Pritchard, MD, FRCPC**  
Professor and Director, Division of  
Medical Oncology, Department of Medicine  
Senior Scientist, Sunnybrook Research Institute,  
Sunnybrook Health Sciences Centre

### E.W.R. STEACIE MEMORIAL FELLOWSHIP, NSERC



#### Dr. Leah Cowen’s

genomics research seeks new ways of overcoming drug resistance in fungal pathogens, which cause life-threatening infections in immunocompromised populations as well as major blights on plants and wildlife. By focusing on the interactions between proteins and signaling pathways in fungal and human cells, Dr. Cowen is identifying new targets that will enable the development of more effective antifungal drugs.

**Leah E. Cowen, PhD**  
Associate Professor, Department of  
Molecular Genetics