



Department of Medicine **ANNUAL DAY**

Tuesday, June 11, 2019
Toronto Reference Library,
Bram and Bluma Appel Salon
789 Yonge Street, Toronto

#DoMAAnnualDay

We would like to acknowledge this land on which the University of Toronto operates. For thousands of years it has been the traditional land of the Huron-Wendat, the Seneca, and most recently the Mississaugas of the Credit River. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.



Gillian Hawker

Welcome

2019 is a big year for us in the Department of Medicine. We're celebrating 100 years since the establishment of the Sir John and Lady Eaton Professor and Chair of Medicine. The first endowed chair at the University of Toronto, this gift from the Eaton family has had a transformative impact on academic medicine in Canada.

Over the last 100 years, as a department we have launched the careers of thousands of physicians who have gone on to provide extraordinary care, to train, mentor and inspire the next generation, and to bring about countless discoveries and breakthroughs that have significantly impacted healthcare locally and globally.

Today, I'm thrilled to mark Annual Day as a celebration of the achievements of but a few of our faculty members, and the rich history of our department.

To all of our faculty members, thank you for continuing to make our work both joyful and meaningful. To our patients, colleagues, staff, trainees and donors, thank you for all of your support.

I very much hope that you enjoy Annual Day 2019. Here is to the next 100 years!

Gillian Hawker

Sir John & Lady Eaton Professor and Chair of Medicine



“The Department of Medicine is the soul of a teaching hospital...”

Professor Edward Shorter, Hannah Professor of the History of Medicine at the University of Toronto

The Department of Medicine would like to extend its heartfelt gratitude to the Eaton family for their continued support since the establishment of the Sir John and Lady Eaton Professor and Chair of Medicine 100 years ago.

In 1919, Sir John and Lady Eaton had tremendous foresight to support academic medicine through the creation of this endowed chair. The first endowed chair in clinical medicine in what was then the British Empire, and the first endowed chair at the University of Toronto, the gift enabled major recruitment of ‘academic physicians’ who combined clinical skills with scientific training and experience to interpret scientific advances to students and practitioners. The gift also enabled the expansion of laboratory research, better defined the role of physicians and faculty within the department, and ultimately facilitated early research breakthroughs such as the discovery of insulin.

The Department of Medicine is indebted to the Eaton Family. Though their gift was to the University of Toronto, its impact has been felt across Canada and beyond.

On behalf of the Department of Medicine, thank you.

Annual Day Agenda

12:00 - 1:00pm

CHAIR'S LUNCH, POSTER VIEWING AND NETWORKING

Prologue and Epic Hall

1:00 - 2:00pm

TOWN HALL WITH DEPARTMENT OF MEDICINE VICE-CHAIRS

Michael Farkouh, Arno Kumagai, Kaveh Shojania and Sharon Straus
Epic Hall

2:00 - 2:45pm

FORMAL POSTER VIEWING & BREAK

2:45 - 4:00pm

BREAKOUT SESSIONS

Education Research & Scholarship Talks
Novella Hall

Dr. Charles Hollenberg Clinician-Scientist Program Presentations
Epic Hall

Please note these sessions will run concurrently.

4:00 - 5:00pm

COCKTAIL RECEPTION & POSTER VIEWING

Prologue and Epic Hall

5:00 - 5:45pm

KEYNOTE ADDRESS: DAVID NAYLOR

A Boundless Future: Reflections on U of T's Department of Medicine
Epic Hall

5:45 - 7:00pm

AWARDS CEREMONY

Epic Hall

7:00 - 8:00pm

COCKTAIL RECEPTION

Featuring Jenn and the Holograms
Prologue, Novella and Epic Hall

See insert for poster listings from Mentorship, Equity and Diversity, Education Scholarship, Quality and Innovation, Clinician Scientist Training Program and Hospital Research Day Winners.

Keynote Speaker

A BOUNDLESS FUTURE: REFLECTIONS ON U OF T'S DEPARTMENT OF MEDICINE



David Naylor

President Emeritus, University of Toronto

David Naylor is Professor of Medicine and President Emeritus at the University of Toronto. He served as the University's President (2005-13) and Dean of Medicine (1999-2005), founding Director of Clinical Epidemiology (1990-96) at Sunnybrook Health Science Centre, and founding Chief Executive Officer of the Institute for Clinical Evaluative Sciences (1991-98).

Naylor is the co-author of over 300 scholarly publications, spanning epidemiology and biostatistics, public policy, social history and health economics, as well as clinical and health services research in most fields of medicine. He has been active as an advisor to governments, institutions and enterprises in Canada and abroad for more than 25 years, and chaired federal panels reviewing public health (2003), healthcare innovation (2014-15) and extramural support for fundamental research (2016-17).

Naylor's honours include appointments to the Canadian Academy of Health Sciences, Royal Society of Canada, the US Academy of Medicine and the Order of Canada.

Education Research & Scholarship Day

ORAL PRESENTATIONS: Novella Hall

FACILITATED BY: Shiphra Ginsburg and Ryan Brydges

2:45pm

PRESENTER: Leora Branfield Day

AUTHORS: Leora Branfield Day

TITLE: Resident Perceptions of Assessment and Feedback in Competency Based Medical Education

3:00pm

PRESENTER: Tushar Malavade

AUTHORS: Tushar Malavade, Jeffrey Schiff, Vanita Jassal, Gemini Tanna

TITLE: Using Role Play Simulation to Improve Empathy in Nephrology Trainees

3:15pm

PRESENTER: Ryan Luther

AUTHORS: Ryan Luther, Sylvia Heeneman, Rodrigo Cavalcanti

TITLE: Informing Promotion Decisions: Designing Structured Assessment Reports for Competence Committees Using Messick's Validity Framework

3:30pm

PRESENTER: Kevin Venus

AUTHORS: Kevin Venus, Nadine Abdullah, Lindsay Melvin

TITLE: Understanding Resident Perspectives of Seminal Events During Training

3:45pm

PRESENTER: Nadia Gabarin

AUTHORS: Nadia Gabarin, Martina Trinkaus, Rita Selby, Nicola Goldberg, Jessica Petrucci, Hina Chaudhry, Michelle Sholzberg

TITLE: Can an Online Educational Module Improve Medical Trainee Confidence and Knowledge of Coagulation?

Dr. Charles Hollenberg Clinician-Scientist Presentations

ORAL PRESENTATIONS: Epic Hall

Presenters are current trainees and alumni of the Eliot Phillipson Clinician-Scientist Training Program

INTRODUCTION BY: Robert Chen

2:50pm

PRESENTER: Husam Abdel-Qadir
TITLE: Reflections from a CSTP Alumnus

2:55pm

PRESENTER: Michael Fralick
TITLE: Using Machine Learning to Identify Risk Factors for Sodium GLucose co-Transporter-2 (SGLT2) Related Diabetic Ketoacidosis
SUPERVISOR: Don Redelmeier

3:10pm

PRESENTER: Lauren Lapointe Shaw
TITLE: Community Pharmacy Medication Review, Death and Readmission After Hospital Discharge: A Propensity-Score Matched Cohort Study
SUPERVISOR: Chaim Bell

3:25pm

PRESENTER: Kieran Quinn
TITLE: The Risk of Death Within 5 Years of First Hospitalization in Older Adults: A Population-Based Study
SUPERVISOR: Chaim Bell and Allan Detsky

4:05pm

PRESENTER: Jennifer Watt
TITLE: Comparative Safety of Pharmacological Interventions for the Neuropsychiatric Symptoms of Dementia: A Systematic Review and Network Meta-Analysis
SUPERVISOR: Sharon Straus

4:20pm

PRESENTER: Heather Reich
TITLE: Reflections from a CSTP Alumnus



EATON SCHOLAR RESEARCHER OF THE YEAR (BASIC SCIENCE)

Robert Rottapel

Dr. Robert Rottapel is a rheumatologist at St. Michael's Hospital and a senior scientist at the Princess Margaret Cancer Centre where he holds the Amgen Chair for Cancer Research. He is Professor of Medicine, Immunology and Medical Biophysics at the University of Toronto. He serves on the national executive of the Terry Fox Research Institute and is a program director at the Ontario Institute for Cancer Research.

Dr. Rottapel obtained his MD at the George Washington University with clinical training in medicine at UCLA and rheumatology fellowship training at the University of Toronto. He did his post doctoral studies with Alan Bernstein at the Lunenfeld Research Institute in Toronto

Dr. Rottapel's laboratory focuses on signalling pathways regulating immune networks in arthritis and cancer. He is a founding member of Northern Biologics, a Toronto-based biotechnology company developing novel antibody-based therapeutics in fibrosis and oncology.



EATON SCHOLAR RESEARCHER OF THE YEAR (CLINICAL)

Margaret Herridge

Dr. Margaret Herridge is a Professor in the Department of Medicine, a Senior Scientist at the Toronto General Hospital Research Institute and Director of the RECOVER Program, a novel continuum of care model for patient and family-centred rehabilitation and follow-up after critical illness. Critical illness is a traumatic life event and Dr. Herridge is privileged to advocate for patients and families to improve functional outcomes and address acquired medical complexity, cognitive and mood disorders. She has been the lead or co-lead on five publications in the *New England Journal of Medicine* and has published almost 160 original articles and book chapters on patient and caregiver outcomes after critical illness. She has been the co-editor of the first two international textbooks on patient and family outcomes after critical illness.

She has received several international research distinctions including the Dr. F. Marguerite Hill Lecturer (2015), Honorary Member of the European Society of Intensive Care Medicine (2016) and most recently, the 2018 Lifetime Achievement Award in Critical Care from the American Thoracic Society.



DEPARTMENT OF MEDICINE TEACHER OF THE YEAR

Peter Seidelin

Dr. Peter Seidelin is an interventional cardiologist at University Health Network and Professor of Medicine at the University of Toronto.

His clinical and academic interests are in cardiac invasive procedures, coronary intervention and intensive cardiac care. Dr. Seidelin focuses on the education of postgraduate general internal medicine and cardiology trainees, and of interventional cardiology fellows. In doing so, he places great emphasis on patient safety and also individual and team safety.

Dr. Seidelin has developed a series of novel simulations, simulators and device workshops at the hospital, university and national levels. These have involved trainees in practical procedures to further their understanding and technique.



ROBERT HYLAND AWARD FOR EXCELLENCE IN MENTORSHIP

Rob Fowler

“Dr. Fowler is one of the best teachers I have seen, and he is a role model not only to trainees, but to his peers and colleagues too. His rapport with his peers, students, residents and other health personnel is excellent.” - Abhijit Duggal

“He is a humble master of encouraging the pursuit of self-learning, exploring unanswered, impactful clinical practice-changing questions, and promoting healthcare to all socioeconomic strata and ages around the world.” - Aleksandra Leligowicz

“I leave our mentee-mentor conversations feeling buoyed by his enthusiasm and encouragement of my work, and less burdened by the weight of challenging choices and decisions we face in our careers.” - Sharmistha Mishra

“Rob is more than a role model to emulate as a player. It is his active coaching that truly sets him apart as a mentor. Rob makes everyone around him better.” - Nick Daneman



DEPARTMENT OF MEDICINE AWARD IN QUALITY AND INNOVATION

Irfan Dhalla

Dr. Irfan Dhalla is a vice-president at Health Quality Ontario, a general internist at St. Michael's Hospital, and an associate professor in the Department of Medicine and the Institute of Health Policy, Management and Evaluation at the University of Toronto. His work, largely focused on using evidence to inform improvements to health care policy and practice, has been recognized with awards from the Canadian Institutes of Health Research, the Ontario Ministry of Health and Long-Term Care, the Canadian Society of Internal Medicine, the Canadian Agency for Drugs and Technologies in Health, the Toronto Star and the Medical Post. He gets his best advice from Tara Kiran and their three children, Anousha, Nikhil and Mihir.



DEPARTMENT OF MEDICINE AWARD FOR HUMANISM IN MEDICINE

Nora Cullen

Dr. Nora Cullen is a specialist in Physical Medicine and Rehabilitation and Chief of Staff at West Park Healthcare Centre. She completed medical school at U of T, followed by residency in 1998 and a research fellowship at the Rehabilitation Institute of Michigan in 1999. Since then, she has worked clinically with adults who have sustained a brain injury, assisting them with re-integration into the community. She is an Associate Professor at U of T where she teaches medical students, residents and fellows. Her research interests involve long-term outcome measurement in patients following brain injury as well as the interventions and systems of care that optimize those outcomes. She is the founding chair of NepalAbility, a charity that provides teaching, mentoring and financial support to clinicians in rural Nepal who are caring for patients with significant disabilities.



WILLIAM GOLDIE AWARD IN EDUCATION

Luke Devine

Dr. Luke Devine is an assistant professor and clinician educator in the Department of Medicine. His current appointments include Director of Undergraduate Medical Education in the DoM, Site Lead and CTU Director in the Division of GIM at Mount Sinai Hospital and Faculty Supervisor of the Internal Medicine Interest Group. Dr. Devine has won multiple teaching and education awards, including the Ted Freedman Award for Innovation in Education, awarded for the development of innovations that advocate, inspire and enable education in Canada. Internationally, Dr. Devine is recognized as a leader in simulation based medical education.



WILLIAM GOLDIE AWARD IN TEACHING

Andrea Page

Dr. Andrea Page is an Assistant Professor in the Department of Medicine and an attending physician on the GIM CTU at MSH and the ID rotation at MSH/UHN. Her interest in medical education was fostered during her year as Chief Medical Resident at MSH/UHN, and she currently holds several roles in educational leadership, including MSH Site Director for the Internal Medicine program and MSH/UHN Education Coordinator for the ID rotation. More recently, she was appointed as one of the interim co-directors of the Mentorship, Equity, and Diversity Committee for the Department of Medicine.



WILLIAM GOLDIE AWARD IN RESEARCH

An-Wen Chan

Dr. Chan is a clinical epidemiologist and Mohs micrographic skin cancer surgeon at Women's College Hospital. He is the Phelan Scientist at Women's College Research Institute and Associate Professor of Medicine U of T. His research focuses on developing ways to improve the quality and transparency of clinical trials, as well as preventing and managing high-risk skin cancer, particularly in solid organ transplant recipients. Dr. Chan leads the international SPIRIT initiative to improve the quality of clinical trial protocols and chairs the Advisory Panel of the World Health Organization's International Clinical Trials Registry Platform.



WILLIAM GOLDIE AWARD IN QUALITY & INNOVATION

Camilla Wong

Dr. Camilla Wong is a geriatrician at St. Michael's Hospital, associate professor at the University of Toronto and project investigator at the Li Ka Shing Knowledge Institute. Her clinical and research interests include 'interface geriatrics,' the intersection between proactive comprehensive geriatric assessment and a health event that results in a significant change in the health status of an older adult. The geriatric trauma model developed and evaluated at St. Michael's Hospital has been adopted at other national and international trauma care centres.

PROFESSORS EMERITI

DAVID FITCHETT Cardiology

NEIL LAZAR Respiratory Medicine

GARY LEVY Gastroenterology

ANITA RACHLIS Infectious Diseases

ROBERT RICHARDSON Nephrology

DEPARTMENT OF MEDICINE SENIOR PROMOTIONS

Full Professor



Danielle Andrade

Neurology

Dr. Andrade is one of a very small number of scientists worldwide with combined expertise in adult epilepsy and clinical and molecular genetics. Her pioneering research on the genetics of epilepsy has led to the discovery of genes that are now used in clinical practice in the diagnosis and clinical management of adults with genetic epilepsies. She is responsible for identifying the first gene in adults associated with non-syndromic epilepsy, and her subsequent collaborations have led to the identification of 13 new genes in the area of epilepsy and intellectual disability. Recognizing a major gap in the care of these patients, Dr. Andrade established the first-ever program for the transition of patients with childhood genetic epilepsy as they move from pediatric to adult care.

She is a staff physician in Neurology at Toronto Western Hospital where she is Director of the Epilepsy Genetics Program and Medical Director of the Epilepsy Program.



Eugene Crystal

Cardiology

Dr. Crystal's expertise is in the following areas: the use of cardiac device therapies and arrhythmia care, cardiac ablation procedures and automation and use of robotics in cardiac electrophysiology.

Under the auspices of the Canadian Heart Rhythm Society, Dr. Crystal has been integral to the conduct of studies focused on surveillance for and management of cardiac device malfunction. He was co-principal author on a seminal practice-changing paper published in *Circulation* on complications associated with use of defibrillator therapy. He has also established himself as an international leader on the use of robotics in cardiac ablation procedures. He co-authored a meta-analysis on this topic and spearheaded the establishment of one of the first centers in North America to adopt fully-remote robotics ablations. He is currently President of the Global Society for Remote Cardiac Navigation and of the Society for Cardiac Robotic Navigation for the Americas.



Denice Feig

Endocrinology & Metabolism

Dr. Feig is known for her practice-changing clinical research contributions to the field of diabetes in pregnancy. Specifically, she has led several pivotal studies that have had demonstrable impact on clinical care. Dr. Feig led the INSPIRED observational cohort study, which examined the effects of intravenous insulin versus use of an insulin pump during labour and delivery in patients with type 1 diabetes. She subsequently played a major leadership role in the design and implementation of the CONCEPTT Trial, which demonstrated that continuous glucose monitoring in pregnant women with type 1 diabetes significantly lowered the risk of adverse neo-natal outcomes in this population. The trial results were published in the *Lancet* in 2017 and featured in several online fora. The results of both studies were incorporated into the 2018 Diabetes Canada Clinical Practice Guidelines.



Vikas Gupta

Hematology

Dr. Gupta's scholarly work is focused on advancing transplant and non-transplant strategies for the treatment of patients with myeloid malignancies, in particular *BCR – ABL* negative myeloproliferative neoplasms (MPN). These conditions are rare and available treatments are modestly effective at best. Dr. Gupta has led multi-centre, international clinical trials and observational cohort studies through partnerships he has developed with the Myeloproliferative Disease Research Consortium in New York, which is funded by the US National Cancer Institute, and the Centre for International Blood and Bone Marrow Transplant Research. He has established a unique MPN program at the Princess Margaret Cancer Centre, which serves as a national resource for the care of complex MPN patients and for multi-disciplinary basic translational and clinical research in MPN. As a result, the program attracts clinical and research fellows from around the world.



Michelle Hladunewich

Nephrology

Dr. Hladunewich is a recognized expert in the diagnosis and management of kidney disease in pregnancy. She has been invited to act in a lead role for several large international cohort studies and randomized controlled trials and has held leadership roles with several US research networks (CURE GN Study Network and NEPTUNE Study Network). As a result of her extensive clinical experience and research track record, Dr. Hladunewich is highly sought after as a speaker and author. In 2015, she was invited by the American Society of Nephrology to develop and chair a course entitled “Women’s Health Across the Decades,” the content of which was published in a *Seminars in Nephrology* series. She has also been invited to author more than 10 book chapters and 14 reviews for several prestigious international publications. Her outstanding clinical care has also been acknowledged with the Human Touch Award from the Ontario Renal Network and Cancer Care Ontario.



Jacqueline James

Endocrinology & Metabolism

Dr. James is the Vice President, Education at Mount Sinai Hospital. She is also the Departmental Division Director of Endocrinology and Metabolism at the University of Toronto and Co-Chair of the Toronto Academic Health Science Network (TAHSNe) Education Committee. She has an outstanding record of teaching at the clerkship, residency, subspecialty and faculty development levels and across multiple settings, including the University of Toronto MD program, Wightman-Berris Academy and the University of Toronto's Centre for Faculty Development. Her teaching excellence has been recognized through receipt of several prestigious teaching awards, including the Department of Medicine Teacher of the Year Award in 2014 and the WT Aikins Award for Excellence in Course/Program Development and Coordination in 2017. She is a leader in education and has greatly contributed to making the medical school curriculum and practice better through countless innovative projects.



Kamran Khan

Infectious Diseases

Dr. Khan's research program is focused on predicting and monitoring global epidemics. He has built a novel big-data platform that combines airline travel and social media data, to which he has applied advanced analytical methods, such as artificial intelligence and machine learning, to predict the spread of infectious diseases. Using the approach he pioneered, he has successfully predicted the flow of viruses through mass gatherings and air travel, providing critical information to global and national agencies for infectious disease control. His work has been published in multiple high-impact journals, he has received several awards and has been asked to brief Prime Minister Trudeau, the White House, the National Institutes of Health and the World Health Organization on the potential spread of Ebola virus and other epidemic threats. In 2013, he founded BlueDot (www.bluedot.global), a social benefit corporation with the mission to engineer and create the world's first global early warning system for emerging infectious diseases.



Christine Lay

Neurology

Dr. Lay has been the Director of the Headache Program at Women's College Hospital since 2008. Over this period of time, she has led the expansion of the program and its interdisciplinary team to include three full-time headache neurologists (one pediatric/adolescent headache specialist), a nurse practitioner, social worker, nutritionist and consultants from psychiatry, family medicine and sleep medicine. The program is unique in its integration of assessment of Adverse Childhood Experiences (ACEs) as a risk factor for chronic pain and headache. The program has now expanded to SickKids, where assessment and treatment of headache is now being provided to children and adolescents, and has incorporated telehealth e-consultations to physicians in remote parts of the province.

To build clinical capacity for headache care, Dr. Lay launched the first-ever Canadian Headache Continuing Medical Education Program for primary care practitioners. More than 200 physicians from across Canada attended this inaugural program.



Barbara Liu

Geriatric Medicine

Dr. Liu is known for her health care innovations to enhance mobility of hospitalized elders (the Mobilization of Vulnerable Elders [MOVE] project) and through the Senior-Friendly Hospital Initiative. MOVE began as a local university-affiliated hospital initiative led by Dr. Liu to promote mobilization of older patients in the hospital in-patient setting. She developed, implemented and evaluated the effectiveness of the MOVE intervention, demonstrating that it leads to improvements in clinical care and patient outcomes. The program was subsequently rolled out provincially, funded by the Council of Academic Hospitals of Ontario as MOVE ON (MOVE Ontario), followed by implementation elsewhere in Canada and beyond. MOVE ON has now been disseminated and implemented in Alberta and in hospitals in the Netherlands, Korea, US, UK and Australia. A total of 61 hospitals have now identified early mobilization of seniors as a quality of care priority in their corporate Quality Improvement Plans.

Dr. Liu is currently the Program Director of the Geriatric Medicine subspecialty training program and recipient of the 2019 Sarita Verma Award for Advocacy and Mentorship in Postgraduate Medicine, in recognition for her professionalism, resident advocacy, mentorship and commitment to social responsibility.

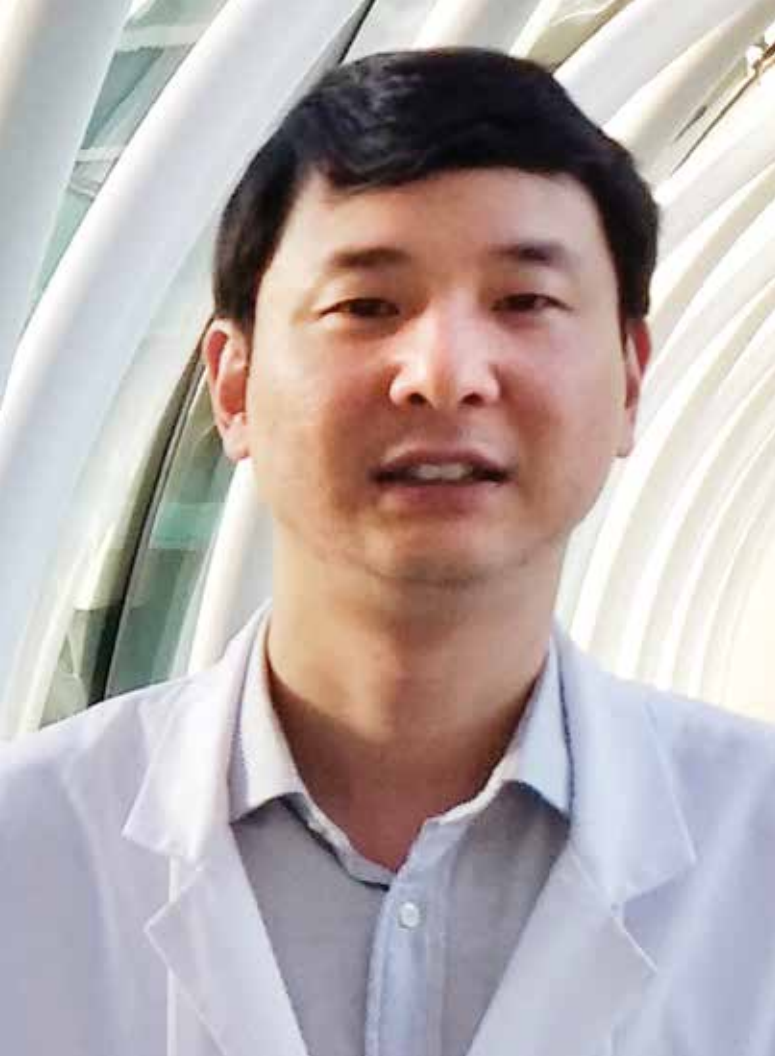


Helen MacKay

Medical Oncology

Dr. MacKay is renowned for her work on the development and evaluation of novel therapeutic strategies for gynecologic cancers. Through highly productive collaborations with translational and basic scientists, she has developed preclinical models for ovarian, cervical and uterine cancers. Using these models, her research has elucidated the pharmaco-genetic biomarkers of response and toxicity to novel therapies, which has been critical to the design and conduct of clinical therapeutic trials combining targeted biological agents with definitive chemo-radiotherapy.

She is the Inaugural Lead of the Gynecologic Cancers for Cancer Care Ontario and is President-elect of The Society of Gynecologic Oncology of Canada (GOC). Internationally, she has held leadership roles at the Gynecologic Cancer Intergroup and the American Society of Clinical Oncology (ASCO) Scientific Committee. In 2018, Dr. MacKay was invited to join the ASCO virtual mentor program.



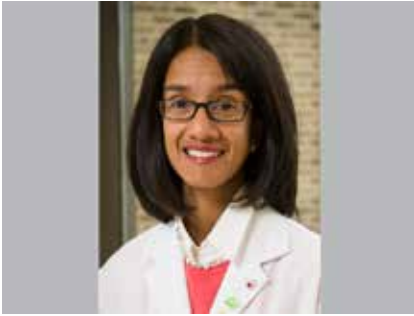
Andrew Yan

Cardiology

Dr. Yan is a prolific researcher who is making significant contributions to cardiology care. Using large international and national registries, including the Global Registry of Acute Coronary Events (GRACE and GRACE2) and the Canadian Registry of Acute Coronary Events (CANRACE), he has examined patterns of care and in-hospital and long-term outcomes of patients with acute coronary syndrome (ACS) across multiple countries, including Canada. He has used these findings to develop and, importantly, evaluate risk prediction algorithms across diverse settings to support their use in clinical decision making in patients with coronary artery disease. His work has impacted the assessment and management of patients with acute coronary syndrome and other cardiac conditions, and has elucidated an important role for cardiac MRI in clinical care.

DEPARTMENT OF MEDICINE SENIOR PROMOTIONS

Associate Professor



Shaheeda Ahmed
Cardiology

Dr. Ahmed has made substantial contributions to formal and informal teaching at the undergraduate, postgraduate and continuing medical education (CME) levels in Cardiology. Her contributions extend beyond the Department of Medicine, including work in the Faculty of Pharmacy and the University of Western Ontario, and providing CME at national conferences. She is the Cardiology Training Program Site Director at Sunnybrook.



Sacha Bhatia
Cardiology

Dr. Bhatia's work focuses in two areas: identifying and addressing low value care and evaluating the use of digital technologies (virtual care) in chronic disease care. He is the founding Director of the Women's College Hospital Institute for Health Systems Solutions and Virtual Care (WIHV), established in 2013. He has been integral to the success of this institute, now one of the leading applied research institutes in the country.



Ryan Brydges
PhD Scientist

Dr. Brydges is a PhD Scientist at St. Michael's Hospital, where he holds a Professorship in Technology-Enabled Education, and is Research Director of the Allan Waters Family Simulation Centre. His research program focuses on exploring how learners develop and utilize self-regulated learning skills in medical education, particularly when using simulation technologies. He works closely with clinician educators to translate his research findings into evidence-based medical curricula and inform trainee assessment.



Adrienne Chan
Infectious Diseases

Dr. Chan has played an integral role in the implementation of HIV care in Malawi. In her role as a Medical Advisor to Dignitas International, she led the decentralization of HIV screening, prevention and treatment into communities. She also leveraged her expertise and experience with HIV to assist the WHO with their response to the West Africa Ebola crisis. The impressive breadth and impact of Dr. Chan's global health and humanitarian work has been recognized by multiple awards.



David Frost
General Internal Medicine

Dr. Frost is based at Toronto Western Hospital where he is Site Director for the Division of General Internal Medicine and Director of the Clinical Teaching Unit. He is an exceptional teacher with a wide-ranging portfolio of teaching activities, noted in his many teaching awards. Dr. Frost has contributed substantially to curriculum development in point of care ultrasound for the internal medicine training program and has published this curriculum on the MedEd Portal.



Scott Fung
Gastroenterology

Since his appointment in 2009, Dr. Fung has participated in a high volume of teaching at multiple levels. His teaching effectiveness scores are well above average across the board, with superlative feedback from learners. Dr. Fung has also pursued research in the area of hepatitis B infection, participating in the development of national clinical practice guidelines and contributing through advocacy work to raise awareness of hepatitis B and C, particularly among Asian Canadians.



Jeremy Gilbert
Endocrinology & Metabolism

Dr. Gilbert is the University of Toronto Program Director for Endocrinology and Metabolism. He is an exceptional teacher as noted by his numerous teaching awards, including the 2011 George From Postgraduate Endocrinology Teaching Award, the 2015 Robert Volpe Undergraduate Endocrinology Teaching Award, and the Metabolism and Nutrition Undergraduate Unit Teacher and Clerkship Teaching Award from Peters Boyd Academy.



Samir Grover
Gastroenterology

Dr. Grover is known for his use of virtual reality endoscopic simulation as a medium for teaching endoscopic skills. The endoscopy curriculum he developed has been adopted by the Canadian Association of Gastroenterology and is now a mandatory requirement for all academic endoscopy training centers. For this work, he was awarded the Young Educator Award by the Canadian Association of Gastroenterology in 2018 and an Innovation Award from the Center for Faculty Development at U of T.



Samir Gupta
Respirology

Dr. Gupta's innovations include a novel wiki-based methodology for collaborative production of visual tools for use by clinicians and patients ("WikiBuild"), as well as a model of care innovation designed to improve asthma management in primary care, called the Electronic Asthma Management System (eAMS). His clinical interest is in Hepatopulmonary Syndrome (HPS). He holds the Michael Locke Chair in Knowledge Translation and Rare Lung Disease Research at U of T.



Susy Hota
Infectious Diseases

Dr. Hota's academic work focuses on implementing programs to reduce hospital-acquired infections. Her key accomplishments include contributions to the prevention and management of *Clostridium difficile* (CDI) outbreaks and improving health systems preparedness for the possible pandemics of Influenza and Ebola. She is the UHN Medical Director of Infection Prevention and Control.



Michael Kutryk
Cardiology

Dr. Kutryk's research is focused on the translation of basic science discoveries into clinical applications in the area of interventional cardiology. His work is centered on three main areas: development of novel intravascular devices; micro-RNA signaling and identification of biomarkers in Hereditary Hemorrhagic Telangiectasia (HHT); and enhanced cell therapy for the treatment of cardiovascular disease. His innovations have changed the way cardiology is practiced.



Jerome Leis
Infectious Diseases

Dr. Leis has established himself as a leader in the field of infectious diseases, with a focus on quality of care initiatives designed to reduce or prevent healthcare-associated infections. He led the creation of a medical directive to remove urinary catheters without clinical indication in patients admitted to medical wards. Dr. Leis was also principal investigator of a covert observational study examining hospital hand hygiene.



Andrew Lim
Neurology

Dr. Lim's research centers on the interface of sleep, circadian rhythms and aging with an emphasis on the role of sleep and circadian disruption on neurological disorders. This is a novel research direction that has great potential for development of sleep- and circadian-based interventions aimed to promote brain health. He has made important contributions to his field with an impressive track record of grants, publications and awards.



Rory McQuillan
Nephrology

Dr. McQuillan established a Bedside Peritoneal Dialysis (PD) program at UHN to increase access to PD for patients with end-stage renal disease. He has also made important contributions in Simulation Based Mastery Learning and quality improvement. He has received awards including the Helen P. Batty Award for Excellence and Achievement in Faculty Development as part of the organizing committee for the co-learning curriculum in QI and the inaugural Department of Medicine Quality Improvement Award from UHN/Sinai.



Tara O'Brien
General Internal Medicine

The breadth and depth of Dr. O'Brien's contributions to training the next generation of internal medicine specialists is truly remarkable. She is a gifted teacher and mentor and has been a leader in pursuing novel models of care for ambulatory GIM and embedding undergraduate and postgraduate trainees within these unique clinical environments. In so doing, Dr. O'Brien is helping to ensure that trainees will be prepared to provide healthcare for generations to come.



Lisa Richardson
General Internal Medicine

Dr. Richardson's work focuses on the creation of sustainable structural changes to support indigenous health education, equity and inclusion. A significant focus has been in implementing recommendations of the 2015 Truth and Reconciliation Commission. She has drawn on pedagogical theories and approaches from the arts, humanities and social sciences as well as indigenous ways of knowing.



Joan Saary
Occupational Medicine

Dr. Saary is a specialist in Occupational Medicine with a unique career focus on aerospace and aviation medicine. She served as the Chair of the Medical Standards and Health Evaluation Working Group for the International Space Station (ISS) Program from 2005-2013. In this role, she led physicians to develop standards for occupational fitness for ISS astronauts and cosmonauts, including development of a document for pre-launch infection control procedures for the ISS program.



Sheldon Singh
Cardiology

Dr. Singh is well-known for his contributions to the field of electrophysiology, and particularly atrial fibrillation. His research has explored the role and health economic impact of non-pharmacological approaches to the management of this common illness. He has lectured widely, published high-impact papers and is recognized as an outstanding teacher.



Richard Swartz
Neurology

Dr. Swartz's research has been important in elucidating the long-term consequences of stroke, as well as improving early identification of high-risk causes of stroke. He has developed a stroke screening tool which is publically available (www.docscreen.ca) and has been implemented in stroke prevention clinics across Ontario. He is based at Sunnybrook Health Sciences Centre.



Martina Trinkaus
Hematology

Since 2013, Dr. Trinkaus has been Program Director for the Adult Hematology Training Program at U of T. As a result of her innovative leadership, this program is now ranked number-one in Canada. She is recognized as an exceptional teacher, as shown by numerous teaching awards including the Robert H. Hyland Teacher of the Year Award in 2015 and the William Goldie Prize and Travel Award for Excellence in Teaching in 2017.



Jay Udell
Cardiology

Dr. Udell is a Cardiologist at Women's College Hospital. Utilizing multiple research methodologies, including population-based cohort studies, multicenter randomized controlled trials and pragmatic trials utilizing registries, he is addressing important, practical aspects of cardiac care. He is extremely productive and has received multiple national awards for his research.



Auro Viswabandya
Hematology

When recruited in 2015 as Associate Director of the Allogeneic Blood and Bone Marrow Transplant Program at Princess Margaret Cancer Centre, Dr. Viswabandya was tasked with addressing the mismatch between the number of patients requiring allogeneic stem cell transplant and the hospital's capacity to provide this life-saving treatment. His work has had notable impact in addressing this care gap by advancing a number of strategies to increase capacity for transplant.



Richard Ward
Hematology

Dr. Ward's philosophy is "Changing the system – educating the people." He has applied this philosophy to the care of patients with hemoglobinopathies, in particular Sickle Cell Disease and Thalessemia. He has made advancements in equitable care for patients as well as important contributions to patient education and self-management. He is a valued teacher and educator of trainees, physicians and patients.



Jordan Weinstein
Nephrology

Dr. Weinstein has made major contributions to the field of nephrology through his creation, development and ongoing support of a free, web-based nephrology learning tool called UKidney.com. The website now averages approximately 54,500 unique visitors per month from 184 countries, and has been named the official education partner of the International Society of Nephrology.

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Junior Promotions
& New Faculty

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