

NEW FELLOWS 2022

Mehran Anvari, Professor of Surgery, McMaster University; Centre for Surgical Invention and Innovation



Dr. Mehran Anvari, O.C., O.Ont, is a pioneer in robotics, telerobotics and minimally invasive surgery in Canada. His leadership and contributions in these fields have been recognized by his appointments to the Order of Canada and Order of Ontario. Dr. Anvari is a tenured Professor of Surgery at McMaster University and an Adjunct Scientist for the Institute for Clinical Evaluative Sciences (ICES). He is the founding director of the Centre for Minimal Access Surgery (CMAS) and Scientific Director and CEO of the Centre for Surgical Invention and Innovation (CSii), which recently partnered with MDA to create Insight Medbotics – a start-up to commercialize a new generation of intelligent robotic systems.

Gordon Asmundson, Professor of Psychology, University of Regina



Dr. Asmundson is a Registered Doctoral Psychologist and Professor at the UofR. He is Editor-in-Chief of two leading journals and serves on numerous editorial boards. His pioneering work on fear-avoidance in chronic pain and his shared vulnerability model of co-occurring PTSD and chronic pain have led to significant advances in understanding and treating these prevalent, disabling, and costly conditions. He is a FRSC, a recipient of the SOM, and was awarded the Molson Prize for remarkable achievements in the social science. He is actively involved in clinical research/supervision and has recently dedicated his efforts to understanding the mental health impacts of COVID-19.

Isabelle Aubert, Senior Scientist, Sunnybrook Research Institute; Professor, Canada Research Chair in Brain Repair and Regeneration, University of Toronto



Dr. Isabelle Aubert leads collaborative and interdisciplinary research programs. Her work aims to promote the capacity of aging brain cells to survive, adapt, regenerate, and function. Together with her team of students, post-doctoral fellows, research associates, technicians, and other scientists, Dr. Aubert discovered the regenerative potential of non-invasive, transcranial focused ultrasound for blood-brain barrier modulation. She is exploring brain health and repair using drug, cell and gene therapies. Her work is key to the development of clinical trials for patients with Alzheimer disease and other disorders of the central nervous system. She is an advocate of team science, equity, diversity, and inclusion.

Richard C. Austin, Professor, McMaster University; Research Director, The Institute of St. Joe's Hamilton



Richard Austin is a Professor of Medicine, Amgen Canada Research Chair in Nephrology and Career Investigator of the Heart and Stroke. As Director of the Hamilton Centre for Kidney Research, he combines biomedical and genetic research strategies to better understand how cellular stress pathways drive cardiovascular and kidney disease. With >150 publications in high-impact scientific journals, Dr. Austin's seminal discoveries have contributed to the development of new medicines for these diseases. As a passionate scientist, he serves on numerous grant panels and is a celebrated mentor of >70 graduate students and post-doctoral fellows, many of whom are now productive researchers.

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Frank Beier, Professor, Western University



Dr. Beier is the Chair of the Department of Physiology and Pharmacology at the University of Western Ontario, and the Canada Research Chair in Musculoskeletal Research. His research is on the area of osteoarthritis, and in particular in the genetic and molecular basis of this disorder. He has published close to 150 peer-reviewed articles and made major contributions to our understanding of the molecular and cellular mechanisms driving osteoarthritis. He is the 2019 recipient of the OARSI Basic Science award, one of the main international awards in his field.

John Bell, Senior Scientist, The Ottawa Hospital Research Institute, Professor of Medicine, University of Ottawa



John Bell received his PhD in Virology and Immunology from McMaster University in 1982. He is a Senior Scientist at the Ottawa Hospital Research Institute and a Professor of Medicine at the University of Ottawa. John is the Scientific Director of BioCanRx, a Network of Centres of Excellence developing novel immune based therapeutics for the treatment of cancer and making them available to Canadian cancer patients. He is an internationally recognized leader in the development and commercialization of therapeutic viruses that selectively replicate in and kill cancer cells. Dr. Bell is a Fellow of the Royal Society of Canada.

Anick Bérard, Professor, Université de Montréal



Dr Bérard has training from McGill University, and Harvard Medical School. She is full professor of perinatal epidemiology at the University of Montreal, Faculty of Pharmacy, and CHU Ste-Justine; and adjunct professor at the Faculty of Medicine, Université Claude Bernard, Lyon, France. Dr Bérard holds a Canada Research Chair Tier 1 on Medications and Pregnancy; is a Fellow of the International Society of Pharmacoepidemiology, and a Birth Defects Society voting member. Dr Bérard has published over 500 scientific papers/abstracts; and recently received a Most Distinguished Scientist Award from the Birth Defects Society, and a Research Career Award from AFPC.

Daniel G. Bichet, Professor of Medicine, Pharmacology and Physiology, Université de Montréal; Centre intégré universitaire de santé et de services sociaux du Nord-de-l'Île-de-Montréal, Hôpital du Sacré-Cœur de Montréal



Daniel G. Bichet is the first nephrologist to become both a career researcher with the Quebec Health Research Fund (FRQS) and Tier 1 Canada Research Chair on the Genetics of Kidney Disease. Dr. Bichet has had a profound impact on the identification, assessment and treatment of inherited polyuria, particularly in cases of X-linked nephrogenic diabetes insipidus. An internationally renowned researcher, his publications are the reference for the assessment of anomalies of the renal collecting tubule, the treatment of Fabry disease and the treatment of autosomal dominant polycystic kidney disease. He is active in recruiting and encouraging the emergence of new clinical scientists.



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Dorothee Bienzle, Professor and University Research Leadership Chair, University of Guelph



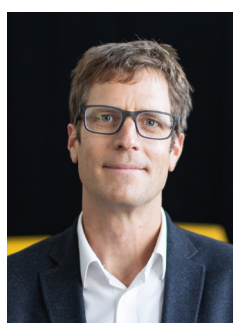
Dorothee Bienzle is a highly accomplished Veterinary Pathologist. She made seminal research contributions delineating the host response to viral infection and asthma in cats and horses, respectively; both with strong cross-species human health relevance. Her research accomplishments generated more than 160 peer-reviewed publications and were recognized with a Canada Research Chair (tier II) in Veterinary Pathology. Over 50 undergraduate, graduate and post-doctoral trainees and visiting scientists were advised by Dr. Bienzle. Throughout, she maintains highest competency in the discipline, presided over the international professional association, mentored a dozen junior faculty, and provided cross-disciplinary peer review at departmental and institutional levels.

James Blanchard, Professor, Community Health Sciences, University of Manitoba



James Blanchard is an epidemiologist who has contributed to the development of scientific knowledge about what creates epidemics of communicable and non-communicable diseases, and in the translation of that knowledge into effective programs and policies to improve health globally. In Canada he has been a leader in developing methods to study the emerging epidemics of diabetes and inflammatory bowel disease. Globally, he has advanced knowledge about the factors that generate HIV epidemics and translated that knowledge into high impact programs to control HIV in south Asia and Africa. He holds a CRC (Tier 1) in Epidemiology and Global Public Health.

Christopher Booth, Professor of Oncology, Queen's University; Kingston Health Sciences Centre



Christopher Booth is a Medical Oncologist and Health Services Researcher at Queen's University where he holds the Canada Research Chair in Population Cancer Care. In 2022 he received the Exceptional Healer Award from Kingston Health Sciences Centre, granted annually to one physician who embodies compassion, respect, and clinical excellence. His research program explores access, quality, and value of cancer care in Canada and globally. He is a member of the WHO Essential Medicine List Cancer Working Group, Advisor to the National Cancer Grid of India and Honorary Consultant at Pallium India. Dr. Booth has published >300 peer-reviewed manuscripts and served as research supervisor for dozens of trainees.

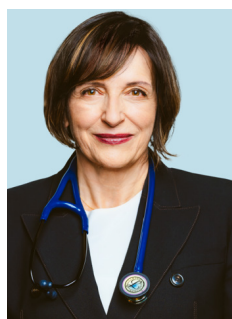
Eric Brown, Distinguished University Professor, McMaster University



Dr. Eric Brown is a Distinguished University Professor in the Department of Biochemistry and Biomedical Sciences at McMaster University. He is a Fellow of the American Academy of Microbiology and has received a number of awards including a Killam Research Fellowship and Canadian Society of Microbiologists Murray Award. Brown is a former Chair of his department and founding Director of McMaster's Biomedical Discovery and Commercialization program. He has served on a variety of advisory boards, including a term as President of the Canadian Society of Molecular Biosciences. His research aims to contribute fresh directions for the discovery of new antibiotics.

NEW FELLOWS 2022

Julie Bruneau, Professor, Centre hospitalier de l'Université de Montréal (CHUM);
Université de Montréal Faculty of Medicine



Drug use contributes significantly to morbidity and mortality in Canada and worldwide. Dr. Bruneau's work centers on advancing best practices to enhance wellbeing and prevent HIV, hepatitis C, and other harms among people who use drugs. Her research has contributed to a better understanding of factors impeding and facilitating efforts to reduce HIV and hepatitis C transmission in this population and to the implementation and evaluation of novel interventions supporting equitable access to quality health care. A clinician and a researcher, Dr. Bruneau's accomplishments have transformed harm reduction and drug use disorder practices, programs, and policies both locally and internationally.

Anthony Chan, Professor of Pediatrics, McMaster University; Hamilton Health Sciences;
McMaster Children's Hospital



Dr. Chan is a Professor/Pediatric Hematologist and holds a McMaster Children's Hospital/ Hamilton Health Sciences Chair in Pediatric Thrombosis and Hemostasis and is a recipient of the Order of Ontario. He is recognized nationally and internationally as an expert in the field of pediatric thrombosis and bleeding disorders. In addition, he shares his expertise in thrombosis by providing around-the-clock free consultation, through the 1800-NOCLOTS service, to pediatric healthcare professionals worldwide seeking assistance with the treatment of children with complex thrombotic problems. He holds ten patents for innovations in treating thrombotic disorder.

Jennifer Chandler, Professor, Faculties of Law and Medicine, University of Ottawa



Professor Chandler is a professor of law and holder of the Bertram Loeb Research Chair. Her work illuminates the ways in which the law responds to advances in biomedicine, and how those responses affect the lives of vulnerable people and society. Her scholarship, testimony, and contributions to government independent expert panels have studied fetal alcohol spectrum and other neurological syndromes in the criminal justice system, mental health policy and practice, neurotechnologies, brain death, medical aid in dying, and organ donation and transplantation policy. Her work uniquely brings health sciences and clinical practice into effective conversation with human rights, criminal justice, ethics, and regulatory policy.

Angela Cheung, Professor of Medicine, University of Toronto; Senior Physician Scientist,
University Health Network



Dr. Angela M. Cheung is Professor of Medicine, KY and Betty Ho Chair of Integrative Medicine and Founding Director of Centre of Excellence in Skeletal Health Assessment at University of Toronto. She is a Senior Physician Scientist and Founding Director of the Osteoporosis Program at University Health Network. She obtained her M.D. from Johns Hopkins University in 1988, and her PhD from Harvard University in 1997. She is a Fellow of the Royal College of Physicians of Canada and has been in clinical practice for >30 years. She currently holds a Tier 1 Canada Research Chair in Musculoskeletal and Postmenopausal Health.

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Arun Chockalingam, Professor of Medicine and Global Health (Adjunct), University of Toronto



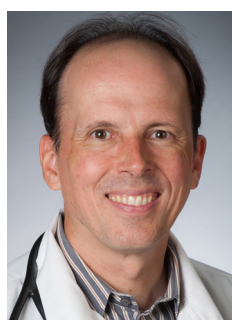
Dr Chockalingam is clearly recognized for his leadership in building programs in Canada and globally for advancing noncommunicable disease research, prevention and policy. He has played leadership roles at five Canadian Universities, in government (Health Canada), research funding organizations (CIHR, NIH), and World Health bodies. His expertise in 'social innovation' is exemplified organizing large conferences with private/public sector funding. There are few Canadians who can boast of having had a more important and lasting impact on hypertension and cardiovascular disease prevention. Arun is a consummate builder, a selfless collaborator and an exemplary humanitarian deeply committed to advancing 'health for all'.

Francesca Cicchetti, Professor, Faculty of Medicine, Université Laval



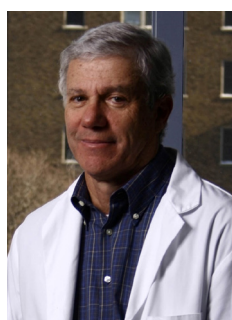
Professor Cicchetti's research work aims to understand the cellular and molecular mechanisms underlying the development of neurodegenerative diseases with the goal to identify novel therapeutic targets. Her interests combine fundamental and clinical research and as such, a number of her discoveries have led to patents and are now being considered for clinical trials. Aware of the societal impact of these disorders, Professor Cicchetti is actively involved in disseminating scientific breakthroughs to the general public via various media whom solicit her expertise, in organizing patient outreach activities or by participating to fundraising events.

Étienne Côté, Professor, Department of Companion Animals, Atlantic Veterinary College, University of Prince Edward Island



Dr. Côté is a veterinary cardiologist whose distinctions involve teaching and learning, clinical communication, and interspecies comparative medicine. Dr. Côté's clinical and classroom teaching have garnered multiple awards, including the prestigious 3M National Teaching Fellowship. As the editor or co-editor of two major textbooks, Dr. Côté is recognized as a leader in internal medicine of dogs and cats. Perhaps of greatest relevance to the Academy is Dr. Côté's work bridging human and veterinary medicine through pioneering collaborations involving echocardiography and interpersonal communication in the clinical setting - leading to him being named a Fellow of the American College of Cardiology.

Allan S. Detsky, Professor of Health Policy, Management and Evaluation, and Medicine, University of Toronto



Allan S. Detsky is Professor of Health Policy, Management and Evaluation and Medicine at the University of Toronto, and staff physician at Sinai Health System and University Health Network. He obtained his BSc and PhD in Economics at MIT, and his MD at Harvard. His research in clinical medicine, clinical epidemiology and health economics has been published in over 300 papers. He has served on the editorial board of the New England Journal of Medicine and as a Contributing Writer for the Journal of the American Medical Association. He is a Member of the Order of Canada.

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Luda Diatchenko, Professor, McGill University



Dr. Diatchenko has made seminal contributions to the field of human pain genetics, identifying genetic markers for accurate diagnosis and potential therapeutic targets. She pioneered a reverse genetic approach in pain using human samples rather than animal models as a starting point for discoveries. These studies are helping us to understand how individuals develop chronic pain and respond to therapies based on their genetic background.

David Earn, Faculty of Science Research Chair in Mathematical Epidemiology,
Department of Mathematics & Statistics, McMaster University



Professor David Earn is an interdisciplinary scientist who combines mathematical analysis of dynamical systems with detective work on historical disease outbreaks to explore and understand complex epidemic patterns, from the Black Death in the 14th century to the COVID-19 crisis. Throughout the current pandemic, Professor Earn has been deeply involved in real-time assessment and forecasting of infections, hospitalizations, and deaths. He co-leads the Canadian Network for Modelling Infectious Diseases (CANMOD, <https://canmod.net>) and currently chairs the Ontario COVID-19 Modelling Consensus Table. His research is especially relevant to long-term infectious disease control, and to pandemic preparedness and management.

David Edwards, Professor, School of Pharmacy, University of Waterloo



David Edwards is Professor at the University of Waterloo where he served as Hallman Director of the School of Pharmacy from 2011-2020. He is also Professor Emeritus at Wayne State University. He is a highly cited researcher in pharmacokinetics and drug interactions. He has served in a number of leadership roles including President of the Association of Faculties of Pharmacy of Canada (AFPC) and the Canadian Council for the Accreditation of Pharmacy Programs. He is a Fellow of the American College of Clinical Pharmacy, received the Honorary Life Award from the Canadian Pharmacists Association and the Woods-Hughes Special Service Award from AFPC.

Josephine B. Etowa, Professor & OHTN Chair in Black Women's HIV Prevention and Care,
School of Nursing, University of Ottawa



Dr Etowa's career is rooted in a strong conviction that social justice and equitable healthcare are the cornerstones of a healthy society. Her distinctive competencies in community-based participatory research and intersectionality lens have informed her research program, grounded in over 25 years of clinical practice. Her antiracist healthcare practice book is described as 'the first of its kind in the Canadian literature' (2009). She co-edited the indigenized edition of Community Health Nursing... (2020). To advance health sciences, she spearheaded institutional policy and program changes at Dalhousie University and University of Ottawa, benefiting students and increasing Black and Indigenous students' enrolment.



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Paul Frankland, Senior Scientist, Hospital for Sick Children, Toronto; University of Toronto



Paul Frankland holds a Canada Research Chair in Memory Research. His research has addressed classical questions in the memory field: Why do we lose our earliest childhood memories? Are memories are broadly distributed or localized in the brain? How does the brain forget? Is it possible to implant memories? In addressing these questions, Frankland has combined an acute grasp of history with the early adoption of powerful new technologies in neuroscience. This has enabled his group to visualize and manipulate neural ensembles involved in memory encoding, consolidation and storage and, in doing so, shed new light on these classical questions.

Stephen Freedman, Professor of Pediatrics and Emergency Medicine, Alberta Children's Hospital Foundation Professor of Child Health and Wellness, Cumming School of Medicine, University of Calgary



Dr. Freedman is Professor of Pediatrics and Emergency Medicine at the University of Calgary. He completed his residency at The Hospital for Sick Children (Toronto) and a pediatric emergency medicine fellowship and a Master's of Science in Clinical Investigation at Northwestern University (Chicago). He is the Alberta Children's Hospital Foundation Professor in Child Health and Wellness and the Associate Dean, Clinical Trials at the University of Calgary. His research focuses on applying clinical research to improve outcomes in children seeking emergency department care. He has dedicated his career to optimizing the care provided to children with acute infectious gastroenteritis.

Sepali Guruge, Professor, Toronto Metropolitan University



Dr. Sepali Guruge is an international expert on the complex intersections between health, immigration, partner violence, and aging. Her work with immigrant women and older immigrant adults, and commitment to health equity and improving the resiliency of marginalized populations, has garnered local, national, and international attention. The evidence-based interventions she has developed in collaboration with health, social, and settlement sectors, government stakeholders, and affected individuals have improved the health of immigrants, their families, and broader communities. Government ministries/agencies have developed meaningful policies and practices based directly on her research related to mental health, gender-based violence, and aging within immigrant communities.

Elie Haddad, Professor, Department of Pediatrics, Departments of Microbiology, Immunology and Infectious Diseases, University of Montreal; Head Division, Immunology, Rheumatology and Allergy, CHU Sainte Justine, Montreal



Dr. Elie Haddad is a clinician scientist in pediatric immunology, Professor of Pediatrics at the University of Montreal. His clinical research focuses on primary immune deficiency. He is President-Elect of the Clinical Immunology Society and he is one of the three PI of the Primary Immune Deficiency Treatment Consortium, an NIH-funded consortium of 47 North-American Centers. The major activity of his fundamental research is on immunotherapy, mostly in the field of NK-cell and stem-cell-based cellular therapy. Dr. Haddad has also set up a humanized mice platform to develop innovative preclinical models of cancer immunotherapy and the study of immunopathology.

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Jayna Holroyd-Leduc, Professor and Head of the Department of Medicine, Cumming School of Medicine, University of Calgary



Dr. Jayna Holroyd-Leduc is an academic geriatrician, Professor and Head of the Department of Medicine at the University of Calgary and Alberta Health Services (AHS) Calgary zone. Her research utilizes knowledge translation (KT) science to improve care for older adults. She is the UCalgary Brenda Strafford Foundation Chair in Geriatric Medicine and the Academic Lead for the UCalgary Brenda Strafford Centre on Aging. She plays a leadership role within the Canadian Frailty Network, and was previously an Associate Editor for the Canadian Medical Association Journal (2010-2020).

Catherine Hudon, Professor, Université de Sherbrooke



Catherine Hudon is Professor at the Family Medicine and Emergency Medicine Department of Université de Sherbrooke and member of the College of the Royal Society of Canada. She conducts an innovative research program mobilizing many national and international partners to improve care integration, equity in health and health of people with complex care needs facing interacting challenges among physical, mental, and social health. Adopting a participatory approach, she uses mixed methods to develop, implement, and evaluate innovations to better answer the needs of this population and improve healthcare systems efficiency.

Meredith Irwin, Chief of Paediatrics, Hospital for Sick Children; Chair Department of Paediatrics, University of Toronto



Meredith Irwin, MD was appointed Chief of Paediatrics (Hospital for Sick Children) and Chair of the Department of Paediatrics (University of Toronto) in 2020. She received her MD from Harvard Medical School and completed training at Boston Children's Hospital and Dana-Farber Cancer Institute. She joined Sick Kids as a Clinician-Scientist Oncologist in 2002. Her research focuses on genes and pathways involved in the childhood cancer neuroblastoma. As Chair of the Neuroblastoma Biology committee of the Children's Oncology Group Dr. Irwin leads the identification of biomarkers and optimization of risk classification and precision medicine clinical trials for patients in North America.

Satyabrata Kar, Professor, University of Alberta



Dr. Satyabrata Kar was trained in India, England and Canada and is a Professor at the University of Alberta. His research, producing more than 115 peer-reviewed publications, has yielded crucial insights into the selective loss of neurons in Alzheimer's disease and related dementias. His current work focuses on biodegradable nanoparticles as novel therapeutic reagents. Dr. Kar has received many academic awards and recognitions and has created and taught multiple courses for undergraduate and graduate students. His research program has been supported continuously by federal funding agencies and his many trainees who have gone onto successful careers in academia, medicine and biotechnology.



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Charu Kaushic, Professor, McMaster University; Scientific Director, Canadian Institute of Health Research



Dr. Charu Kaushic is recognized internationally for her interdisciplinary research and training program in women's reproductive health, spanning basic, clinical and translational research examining susceptibility and immune response to sexually transmitted viruses. As the Scientific Director of CIHR's institute of infection and immunity, she has played key leadership roles in shaping Canada's national and international research response to COVID-19 pandemic. She is known for passionate dedication and support for community based research, equity, diversity and inclusion in research environment and gender equity in leadership. She was recently inducted into the Government of Canada's Women of Impact gallery in STEM category.

Karim M. Khan, Professor & Scientific Director, The University of British Columbia; Canadian Institutes of Health Research



Professor Karim Khan, MD, PhD, MBA, is recognised for clinically-relevant research in tendon injuries, osteoporosis, falls prevention and exercise for health. He has published over 350 peer-reviewed articles, was editor-in-chief of the British Journal of Sports Medicine (BJSM) for 13 years, and has co-authored 5 editions of the internationally renowned Brukner & Khan's Clinical Sports Medicine textbook. He is passionate about research impact and patient engagement. He is an Officer of the Order of Australia (AO) and received honorary doctorates from the Norwegian School of Sports Sciences (Oslo, Norway) and the University of Edinburgh (Scotland).

Susan Kirkland, Professor and Head/District Chief, Department of Community Health and Epidemiology, Faculty of Medicine, Dalhousie University



Dr. Susan Kirkland is Professor and Head/ District Chief of the Department of Community Health and Epidemiology at Dalhousie University/Nova Scotia Health. She holds the distinctions of Dalhousie Distinguished Research Professor and AGE-WELL Honorary Fellow. An epidemiologist by training, her research lies at the intersection of chronic disease epidemiology and aging. She is one of three principal investigators to design and implement the internationally-renowned Canadian Longitudinal Study on Aging, a 20-year study of 50,000 older Canadians. Dr. Kirkland is recognized for her scholarly works on healthy aging, determinants of older adults' physical and mental health, technology and aging, frailty, and the impacts of COVID-19 on the aging population.

Eddy Lang, Professor and Department Head for Emergency Medicine, Cumming School of Medicine, University of Calgary; Alberta Health Services



Dr. Lang is an internationally recognized leader in academic emergency medicine as well as evidence-based medicine, knowledge translation and clinical practice guidelines. He is currently Professor and the Department Head for Emergency Medicine in the Calgary Zone. He is also the Scientific Director for the Alberta Health Services Emergency Strategic Clinical Network. He is also the Chair of the Academic Section of the Canadian Association of Emergency Physicians and a member of the Canadian Task Force on Preventive Health Care. Dr. Lang has led the evolution of guideline development globally in fields such as resuscitation and prehospital care. With over 300 publications, his work has also focused on promoting the field of implementation science in Emergency Medicine, high impact clinical practice guidelines and health services research.

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Ruth Lanius, Professor of Psychiatry, Western University



Ruth A. Lanius, M.D., Ph.D. is a Psychiatry Professor and Harris-Woodman Chair at Western University, where she is the director of the Clinical Research Program for PTSD. Ruth has received numerous awards, including the Banting Award for Military Health Research. She has published over 150 research articles and book chapters focusing on brain adaptations to psychological trauma and novel adjunct treatments for PTSD. Ruth regularly lectures on the topic of psychological trauma both nationally and internationally. Ruth has co-authored three books: *The Effects of Early Life Trauma on Health and Disease*; *Healing the Traumatized Self*; and *Overcoming Obstacles in Trauma Treatment*.

Josée G. Lavoie, Director, Ongomiizwin Research, University of Manitoba



Dr. Josée G. Lavoie is an international renown French Canadian scholar who, for the past thirty years, has been working in partnership with Indigenous communities and organizations to improve Indigenous peoples' access to responsive health services. She is a professor in Community Health Sciences at the Max Rady College of Medicine, University of Manitoba, and Fulbright scholar. She is also Director of Ongomiizwin Research at the Indigenous Institute of Health and Healing. She is actively engaged in collaborations in Australia and New Zealand, and in circumpolar countries.

Alain Lesage, Full Professor, Université de Montréal; Institut national de santé publique du Québec



A psychiatrist with a steadfast commitment to the wellness of his patients and the community, Dr. Alain Lesage devotes his knowledge, skills and competencies to suicide prevention and the improvement of quality of care. An esteemed researcher who has demonstrated how deficiencies in various areas of mental health and addiction services can be determining factors in suicide, Dr. Lesage seeks, through his many multidisciplinary collaborations, to contribute to early intervention and better adapted care for people at risk. He works with patients and decision-makers alike. He has authored some 350 publications and is a Distinguished Fellow of the Canadian Psychiatric Association.

Xin-Min Li, Associate Dean, International Relations, Professor of Psychiatry and AHS Chair in Mental Health Research, University of Alberta



Dr. Xin-Min Li is an academic psychiatrist and clinician scientist who has pioneered work on the protective function of antipsychotics on brain white matter changes observed in schizophrenia and depression and is exploring innovative use of cerebral low field magnetic stimulation and ultrasound for treatment resistant depression. As a former Academic Psychiatry Department Head and current Associate Dean (International) Dr. Li continues to provide leadership in academic health sciences, training of clinician scientists and allied research scientists and is currently leading international academic health program development and partnerships for the Faculty of Medicine and Dentistry at the University of Alberta.



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Fei-Fei Liu, Radiation Oncologist, Princess Margaret Cancer Centre, University Health Network; Professor and Chair, University of Toronto, Department of Radiation Oncology



Dr. Fei-Fei Liu is Chief of the Radiation Medicine Program at the Princess Margaret Cancer Centre, Professor and Chair in the University of Toronto Department of Radiation Oncology, and Head of the Department of Radiation Oncology at the University Health Network. Dr. Liu is an internationally recognized radiation oncologist, who has dedicated her 30+ year career to improving cancer outcomes for patients around the world. Her academic and clinical expertise in the treatment of breast and head & neck cancers, commitment to education, and contributions to international oncology initiatives have made her a renowned leader in the health sciences community. Dr. Liu was announced as the incoming Scientific Director of the Institute of Cancer Research at CIHR, effective Sept 1st, 2022.

James MacKillop, Professor, McMaster University; St. Joseph's Healthcare Hamilton



Dr. James MacKillop is internationally recognized for his major contributions to the scientific study of addiction. In community and clinical populations, his work has elucidated the psychological determinants of addiction, including the roles of drug reinforcing value, self-regulatory capacity, alternative reinforcers, and social networks. Concurrent with his behavioural research, he has advanced the field by characterizing the underlying neural and genomic foundations of these processes. Critically, his work has pioneered the translation of insights and methods from basic research into real-world clinical innovations to advance patient care. These diverse contributions have made Dr. MacKillop a global leader in addiction research.

Ariane Marelli, Professor, McGill University



Dr. Ariane Marelli MD MPH, Professor of Medicine. She is a senior Clinician Scientist and Research Director at the McGill University Health Center's Adult Unit for Congenital Heart Disease and the Research Institute where she leads the Cardiovascular Health Across the Lifespan Program. She is internationally recognized for her work and innovative methods in health services research for congenital heart disease. She promotes quality of care for patients with chronic disease conditions impacting policy in Canada and in the U.S for specialized care delivery in patients with lifespan conditions. She has international trainees advancing the care of congenital heart disease globally.

Kathleen Martin Ginis, Professor, The University of British Columbia



Kathleen Martin Ginis' work focuses on innovating, testing, and implementing behavioural interventions to improve physical activity participation among people living with disabilities. She has received nearly \$20M in research funding, published over 300 papers, and developed physical activity research tools, methods, and guidelines that are used worldwide. She has established two academic health-research Centres and leads multidisciplinary teams that have developed and disseminated over 150 knowledge-products and programs. Through interdisciplinary, community-partnered research and knowledge translation, she has increased scientific and public awareness of disability health-inequities and is advancing physical activity participation and inclusion in Canada and internationally.

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Julio Montaner, Executive Director and Physician-in-Chief, BC Centre for Excellence in HIV/AIDS; Providence Health Care, St. Paul's Hospital; The University of British Columbia



Dr. Julio Montaner is globally recognized for his exceptional leadership, vision, and innovative contributions to the treatment and prevention of HIV/AIDS. He led the development of new drugs and therapeutic strategies to stop disease progression, premature death, and simultaneously stop HIV transmission. His Treatment as Prevention strategy inspired his 90-90-90 by 2020 and the 95-95-95 by 2025 Targets, which together provide the road map to achieve the "End of AIDS as a Pandemic by 2030". His strategy was formally adopted by the United Nations in 2015, ratified in 2021, and is a central part of the UN-Sustainable Development Goals Agenda.

Parameswaran Nair, Frederick E. Hargreave Teva Innovation Chair & Professor of Medicine, McMaster University



Parameswaran Nair is the Frederick E. Hargreave Teva Innovation Chair in Airway Diseases and Professor of Medicine at McMaster University, and an Adjunct Professor of Medicine at McGill University. At the Firestone Institute of Respiratory Health of St Joseph's healthcare Hamilton, over two decades, he has directed a patient-centred translational research program that directly benefits patients with severe asthma and other complex airway diseases. As an internationally recognized researcher in the use of biologics to treat asthma, and as a caring clinician and educator, his research has brought relief and hope to patients from across Canada and elsewhere.

David Nicholas, Professor and Associate Dean, Research and Partnerships, Faculty of Social Work, University of Calgary



Dr. David Nicholas is a Professor and Associate Dean, Research and Partnerships in the Faculty of Social Work, University of Calgary. His research focuses on chronic health conditions and neurodevelopmental disability, including autism. This work substantively addresses transition into adulthood, family support, parenting, service access, and family-centred care. Dr. Nicholas has published over 180 peer reviewed articles and has given over 400 presentations to Canadian and international audiences. Dr. Nicholas has received multiple awards for his research and teaching.

Nicholas H. Ogden, Director, Public Health Risk Sciences Division, National Microbiology Laboratory Branch, Public Health Agency of Canada



Dr. Nick Ogden is a UK-trained veterinarian (University of Liverpool), with a doctorate in zoology (University of Oxford), and was a professor at University of Liverpool's veterinary school. He trained in disease modelling at Université de Montréal before joining the Public Health Agency of Canada (PHAC), where he directed programs on climate change, infectious diseases, and zoonoses. He is now Director of PHAC's Public Health Risk Sciences Division, National Microbiology Laboratory, assessing disease risk by studying ecology and epidemiology of arthropod vectors and pathogens, and impacts of climate change. He led PHAC's COVID-19 modelling teams in response to COVID-19.

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M. Kathleen Pichora-Fuller, Professor Emerita, University of Toronto



Dr. M. Kathleen (Kathy) Pichora-Fuller is a Professor Emerita in the Department of Psychology, University of Toronto and an Adjunct Professor in the Department of Gerontology at Simon Fraser University. Currently, she is the President of the International Collegium of Rehabilitative Audiology. In 2021, she was awarded the Eve Kassirer Lifetime Achievement Award from Speech-Language and Audiology Canada. She is a world leader in research and clinical practice focused on the links between auditory and cognitive aging and the health and well-being of older adults. Her basic and applied research has built bridges between disciplines, professions, and industry.

Bram Ramjiawan, Director of Clinical Research, Innovation and Regulatory Affairs and Director of Research, Asper Clinical Research Institute, St. Boniface Hospital and Research Centre



Dr. Bram Ramjiawan is the Director of Research, Innovation and Regulatory Affairs and Director of Research, Asper Clinical Research Institute at the St. Boniface Hospital and Research Centre in Winnipeg, Canada. Dr. Ramjiawan is responsible for the oversight of Clinical Research and to oversee and ensures that all clinical, regulatory and business issues are handled as required by national and international agencies. Prior to joining the hospital, Dr. Ramjiawan spent was with the Government of Canada (National Research Council) as an Industrial Technology advisor who specialized in Life Sciences and biomedical technologies. Dr. Ramjiawan is an adjunct professor of Pharmacology and Therapeutics for the Max Rady College of Medicine, Faculty of Health Sciences at the University of Manitoba.

Vivian R. Ramsden, Professor & Research Director, Department of Family Medicine, University of Saskatchewan



Vivian R Ramsden, a Registered Nurse, is: Professor & Research Director, Department of Family Medicine, University of Saskatchewan; facilitator of a partnership with a nursing college in Chennai, India; Chair of the College of Family Physicians of Canada's Section of Researchers; and incoming President of the North American Primary Care Research Group. As a participatory health researcher in primary health care, she engages individuals and communities in addressing the issues that impact their health. Thus, in long standing collaborations with Indigenous communities in northern Saskatchewan and South India, and with individuals released from prison, the outcomes have transformed health.

Lisa Robinson, Vice Dean, Strategy & Operations, and Professor, Department of Paediatrics and Institute of Medical Science, Temerty Faculty of Medicine, University of Toronto; Staff Physician, Division of Nephrology, The Hospital for Sick Children; Senior Scientist, Program in Cell Biology, The Hospital for Sick Children Research Institute



Dr. Lisa Robinson is Vice Dean, Strategy & Operations, leading the Faculty's academic strategic planning, oversees academic affairs, and serves as the Vice Dean lead for the Faculty's Offices of Inclusion and Diversity, Indigenous Health, and Outreach and Access, and Professor in the Department of Paediatrics and Institute of Medical Science, Temerty Faculty of Medicine, University of Toronto. She is a Staff Physician and former Head, Division of Nephrology, The Hospital for Sick Children (SickKids). Dr. Robinson is Senior Scientist in the Program in Cell Biology at the SickKids Research Institute and holder of a Canada Research Chair (CRC) Tier 1 in Vascular Inflammation and Kidney Injury, and President of the American Pediatric Society.



NEW FELLOWS 2022

Marc Rodger, Chair, Department of Medicine, McGill University and Physician-in-Chief, McGill University Health Center



Dr. Marc Rodger, Chair of the McGill Department of Medicine, is a world leading researcher in venous thrombosis. His work that confirmed a link between common blood clotting tendencies and pregnancy complications, showed that injectable blood thinners do not prevent these complications (a previously common practice), defined the long-term risk of developing recurrent venous thrombosis and identified high risk sub-groups that merit continuing blood thinners lifelong. Dr. Rodger co-founded the Canadian Venous Thromboembolism Research network and founded the INVENT network (www.invent-vte.com), an international VTE research network that includes over 450 members in over 150 sites collaborating on venous thrombosis clinical trials.

Ronald Schlegel, Chairman, Schlegel Health Care Inc.



Ronald Schlegel is an academic, innovator, entrepreneur, visionary, and philanthropist. After a 24 year academic career, he turned his focus to business and philanthropy. He founded the Schlegel-UW Research Institute for Aging, focused on seniors' care, and the Homewood Research Institute, focused on mental health/addictions. Through deep collaborations with academia and with practice sites, and by earmarking revenue from his businesses into building research capacity, Ron currently supports the academic careers of over 20 applied researchers, the Living Classroom model, and Living Research Environments. His model of incubation-acceleration-mobilization ensures that the work of his enterprises is grounded in evidence, spurs innovation, and spreads widely to benefit Canadians everywhere.

Shayan Sharif, Professor and Associate Dean, Research and Graduate Studies, University of Guelph



Dr. Shayan Sharif is Professor and Associate Dean of Research and Graduate Studies for the Ontario Veterinary College at the University of Guelph. An international leader in the immunology of infectious diseases, Sharif's research uncovers the molecular mechanisms of immunity to zoonotic pathogens. An advocate of One Health, he develops novel strategies for enhancing immunity to zoonotic pathogens in animals and for controlling transmission of these pathogens from animals to humans. His innovative research has produced 200+ peer-reviewed journal articles, a patent, and has been recognized with a prestigious Pfizer Award for Research Excellence and a university Research Leadership Chair.

Sheila Singh, Professor, Neurosurgeon, Scientist, Director of Centre for Discovery in Cancer Research at McMaster University, Senior Canada Research Chair in Human Cancer Stem Cell Biology



Dr. Sheila Singh is professor of surgery and biochemistry, senior pediatric neurosurgeon at McMaster Children's Hospital, Division Head of Neurosurgery at Hamilton Health Sciences, and director of the Centre for Discovery in Cancer Research (CDCR) at McMaster University. She holds a Tier 1 Canada Research Chair in Human Brain Cancer Stem Cell Biology, and is the founding Director of the McMaster Surgeon Scientist Program. Her PhD thesis described the first identification of a population of cancer stem cells that exclusively drive the formation of brain tumors. Dr. Singh's lab applies a developmental neurobiology framework to the study of brain tumorigenesis.



NEW FELLOWS 2022

Daniel Sinnett, Professor, Department of Pediatrics, Université de Montréal; Director of Research and Innovation, CIUSSS du Nord-de-l'Île-de-Montréal



Daniel Sinnett, a molecular geneticist who holds the FKV Research Chair in Pediatric Oncogenomics, is a professor in the departments of Pediatrics, Biochemistry and Molecular Medicine at the Université de Montréal. His research focuses on the genetic and genomic determinants of pediatric cancers, principally leukemia. His work, acknowledged by his peers, has transformed medical management and quality of life for patients and survivors. Internationally recognized, Daniel Sinnett has received numerous awards. As a health research administrator, he has introduced a unique vision of research based on interdisciplinarity and intersectoral collaboration.

Kathy Nixon Speechley, Professor, Departments of Paediatrics and Epidemiology & Biostatistics, Schulich School of Medicine & Dentistry, Western University



Dr. Kathy Nixon Speechley is a Professor at Western University and Scientist, Lawson Health Research Institute and Children's Health Research Institute. An epidemiologist, her primary research focus is determinants of quality of life in children with chronic health conditions with an emphasis on improving quality of life in children with epilepsy. Her publications describing key risk and protective factors for quality of life in childhood epilepsy have contributed to advances in family centered care. She is a Fellow of the American Epilepsy Society, Past Chair of the Canadian Paediatric Epilepsy Network and was their inaugural representative on the Board of Directors, Canadian League Against Epilepsy.

Danica Stanimirovic, Director, Research and Development, National Research Council of Canada



Dr. Danica Stanimirovic is an international leader in research and innovation aimed at surmounting the Blood Brain Barrier (BBB) via the successful delivery of therapies to the human brain for the treatment of neurological diseases. Her scientific contributions are focussed on improving brain vascular health and developing antibody and gene therapies for Alzheimer's and rare neurological diseases. She is a founding member of the International Brain Barriers Society and has led strategic NRC Programs and international R&D initiatives in this field. Her scientific discoveries and innovations significantly advanced translational research and helped establish Canada as a world centre for BBB technologies and neuro-therapeutics.

David Streiner, Emeritus Professor, McMaster University; St. Joseph's Healthcare



Dr. David Streiner is currently an Emeritus Professor in the Department of Psychiatry and Behavioural Neurosciences at McMaster University. He began there in 1968 and has a joint appointment in the Department of Clinical Epidemiology and Biostatistics. Between 1998 and 2008, he was the Assistant V.P. Research and founding Director of the Applied Research Unit at the Baycrest Centre, and a Professor in the Department of Psychiatry at the University of Toronto. Although trained as a clinical psychologist, he has achieved international recognition as a statistician and epidemiologist, and has published many books and articles in those fields.

NEW FELLOWS 2022

Bernard Thébaud, Senior Scientist, Ottawa Hospital Research Institute; Neonatologist, Children's Hospital of Eastern Ontario; Full Professor of Pediatrics, University of Ottawa



Dr. Thébaud is a physician-scientist focused on finding treatments for lung diseases in babies. His research contributions include several discoveries: (i) Mesenchymal stromal cells isolated from the umbilical cord to prevent lung damage. A clinical trial is now studying if this can improve the health of preterm babies; (ii) The role of endothelial progenitor cells (stem cells lining the inner wall of blood vessels) to promote lung growth and their therapeutic potential to attenuate pulmonary hypertension (high blood pressure in the lungs), complicating many lung diseases in babies; (iii) A gene therapy to treat lethal genetic lung diseases in babies.

Jacquetta Trasler, Professor, McGill University; Senior Scientist, Research Institute of the McGill University Health Centre



Dr. Jacquetta Trasler is internationally recognized for her research in the field of reproductive and developmental epigenomics and its impact on the normal development of children. Her epigenetic studies stand out in considering sex-specific effects along with the impact of both fathers' and mothers' exposures to environmental stressors in predisposing their children to adverse health outcomes. Her fundamental studies identified sex-specific windows of epigenetic susceptibility and mechanistic insights into epigenetic inheritance. Her translational studies on the adverse epigenetic and child health consequences of assisted reproduction implicated paternal infertility, sex and individual techniques and identified a role of folic acid in prevention.

Cécile Tremblay, Medical Microbiologist and Infectious Diseases Specialist, Centre Hospitalier de l'Université de Montréal; Full Professor, Université de Montréal



Dr. Cécile Tremblay is a medical microbiologist and infectious diseases specialist at Centre Hospitalier de l'Université de Montreal. She is the Director of the Pfizer/Université de Montreal Chair on HIV translational research. She set up two pan-Canadian cohorts to study the determinants of disease progression including premature aging phenotypes associated with HIV. Her research program also includes studying genetic viral evolution and its impact on viral entry and drug resistance as well as Pre-exposure Prophylaxis. She has recently developed several research projects related to COVID-19. She has been a predominant figure in the media throughout the pandemic.

André Veillette, Full Professor, Institut de recherches cliniques de Montréal (IRCM)



Dr. André Veillette is Full Research Professor at the IRCM and Université de Montréal. Throughout his career, he has worked in the field of immunology where he helped found the field of immune cell activation 30 years ago. Since then, he has made important discoveries regarding CD4 and CD8 T cell co-receptors and surface antigens, the protein tyrosine kinases Csk and Lck, the role of the adaptor molecule SAP in immune regulation and the role of innate immune cells in immuno-oncology. These and other discoveries have provided fundamental insights into the immunological mechanisms of health and disease, including cancer.



NEW FELLOWS 2022

Subodh Verma, Cardiac Surgeon, St Michael's Hospital of Unity Health Toronto;
Professor of Surgery, and Pharmacology and Toxicology, University of Toronto



Dr Subodh Verma is an internationally renowned cardiac surgeon-scientist and the Canada Research Chair in Cardiovascular Surgery. He has held the Royal College of Physicians and Surgeons of Canada Gold Medal in Surgery and is a Royal Society of Canada College of New Scholars, Artists and Scientists appointee. He has had leadership roles in several paradigm-changing heart failure trials. He founded the St Michael's CardioLink platform that originally focussed on cardiac surgery trials and now also studies cardiometabolic disease. He leads a dynamic pre-clinical and translational research team that seeks to identify novel mediators and therapeutic targets of cardiometabolic diseases.

Valerie Wallace, Co-Director, Donald K. Johnson Eye Institute, Krembil Research Institute,
University Health Network



Dr. Wallace is an internationally recognized leader in the fields of neural development, retina biology and regenerative medicine. Her research has advanced our understanding of the signalling pathways that are involved in brain and retinal development and identified therapeutic targets for restoring vision in individuals with retinal degeneration. She is the Co-Director of the Donald K. Johnson Eye Institute, which brings together multidisciplinary vision scientists and clinicians to improve treatments for vision loss. She serves on national and international scientific committees and advisory boards and is an advocate for the importance of basic science research and outreach.

C. Nadine Wathen, Professor & Canada Research Chair, Arthur Labatt Family School of
Nursing, Western University



Nadine Wathen is Professor in the Arthur Labatt Family School of Nursing at Western University and Canada Research Chair (Tier I) in Mobilizing Knowledge on Gender-Based Violence (GBV). As an internationally renowned scholar in the areas of GBV and health inequities, she is generating and mobilizing knowledge that has significantly impacted responses to violence and inequity in Canada and abroad. Dr. Wathen is committed to using research to improve policy, practice and public responses to enhance well-being and advance justice for those experiencing interpersonal and structural violence and inequity.

Xiaolin Wei, Professor, Dalla Lana School of Public Health, University of Toronto



Xiaolin Wei is a Professor and Dalla Lana Chair of Global Health Policy at the Dalla Lana School of Public Health, University of Toronto. Professor Wei is an internationally recognized leader at using implementation science frameworks in health service research, specifically in the control of tuberculosis, diabetes and antimicrobial resistance (AMR). His scholarship has reformed health policies to promote quality and equitable care in COVID-19, tuberculosis, AMR and diabetes at national and global levels. He has served as the Vice President and Secretary General of the International Union Against Tuberculosis and Lung Disease in driving global TB policy change.

NEW FELLOWS 2022

Sabrina Wong, Professor, The University of British Columbia



Dr. Wong is a Professor in the School of Nursing and the Centre for Health Services and Policy Research, University of British Columbia. Dr. Wong's contributions as a scholar and leader in primary care research are widely recognized, nationally and internationally. She serves as the co-chair for the Canadian Primary Care Sentinel Surveillance Network, playing a central role in the development of a primary care federated clinical electronic medical record repository that can be used for research, disease surveillance and quality improvement. She has a long-standing commitment to health and healthcare inequities, particularly in the area of primary health care.

Jianhong Wu, University Distinguished Research Professor, York University



Renowned applied mathematician Dr. Wu has made foundational contributions to supporting infectious disease public health decision-making strategies based on novel applications of the bifurcation theory, a mathematical theory of long-term epidemiological scenario analyses. Internationally recognized as a powerhouse in dynamical systems and data clustering, his disease modelling research provides critical insights on mechanisms behind complex patterns and is used to accurately forecast disease trends. He is a major contributor to a paradigm shift towards an extensive use of interdisciplinary modelling for evidence-based public health policy. He is the inaugural Director of the York Emergency Mitigation, Engagement, Response, and Governance Institute.

George Zhanel, Professor-Medical Microbiology and Infectious Diseases, University of Manitoba



George Zhanel received his Ph.D. in the Department of Medical Microbiology/Infectious Diseases at the Faculty of Medicine, University of Manitoba and a Doctor of Clinical Pharmacy at the University of Minnesota. He is presently Professor in the Department of Medical Microbiology/Infectious Diseases, College of Medicine and Research Director of the Canadian Antimicrobial Resistance Alliance (CARA). Dr. Zhanel has received or been nominated for 95 teaching awards and in 2020 received the Canadian Association for Medical Education (CAME) merit award. In 2021, he was 1 of 190 Canadian scientists recognized as a "highly cited researcher", an honor received by 1 out of 1000 of the worlds scientists.