



Canadian Academy of Health Sciences  
Académie canadienne des sciences de la santé

## Media Release

### Seventy-four new Fellows elected into the Canadian Academy of Health Sciences

*Fellows' accomplishments recognized by peers for contributions to the promotion of health science*

**Ottawa – September 13 2021** – The Canadian Academy of Health Sciences (CAHS) is pleased to present the list of individuals that were elected as Fellows for 2021. CAHS is proud to recognize excellence in health sciences and these new Fellows reflect a rich and varied expertise.

We are pleased to note that we continue to receive an increasing number of nominations. This year, we received 134 nominations across all health sciences disciplines. This achievement came despite our world entering a second year of the COVID-19 pandemic.

“I would like to personally congratulate all the applicants that were elected as a Fellow in the Canadian Academy of Health Sciences for 2021. This recognition is a reflection of their dedication and excellence in their field,” said Dr. Proton Rahman, Chair of the Fellowship Committee. “We look forward to having their expertise further enrich the work of our Academy.”

Election to Fellowship in the Academy is considered one of the highest honours for individuals in the Canadian health sciences community and carries with it a covenant to serve the Academy and the future well-being of the health sciences irrespective of the Fellow’s specific discipline.

“Becoming a member of the Canadian Academy of Health Sciences recognizes Fellows’ dedication to health sciences,” says Dr. Chris Simpson, President, CAHS. “We are proud of their accomplishments and we are honoured to welcome them to the Canadian Academy of Health Sciences.”

For information on the nomination process, please visit: <https://cahs-acss.ca/nominations/>

- 30 -

### **About CAHS**

The Canadian Academy of Health Sciences brings together Canada’s top-ranked health and biomedical scientists and scholars to make a positive impact on the urgent health concerns of Canadians. Our Fellows, drawn from all disciplines across our nation’s universities, healthcare and research institutes, evaluate Canada’s most complex health challenges and recommend strategic, actionable solutions.

### **For further information or media inquiries, please contact:**

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# NEW FELLOWS 2021

Malek Batal, Professor and Canada Research Chair in Nutrition and Health Inequalities, Université de Montréal



Dr. Malek Batal is Professor at the Université de Montréal's Faculty of Medicine and School of Public Health and Director of the WHO-Collaborating Centre on Nutrition Changes and Development. Holder of the CRC in Nutrition and Health Inequalities, he conducts participatory research studying the link between environment and food system health and population health, in an effort to redress health inequities. He operates in transdisciplinary research teams with First Nations in Canada and Indigenous and rural people internationally, prioritizing engagement with knowledge users from government and civil society and putting his research findings at the service of public policy.

Reina Bendayan, Professor, Leslie Dan Faculty of Pharmacy, University of Toronto



Dr. Reina Bendayan is a Professor, Department of Pharmaceutical Sciences, Leslie Dan Faculty of Pharmacy, University of Toronto, and Career Scientist, Ontario HIV Treatment Network. Her research explores membrane drug transport particularly in HIV infection. A Fellow of the American and Canadian Associations for Pharmaceutical Sciences, Dr. Bendayan is the recipient of international and national research and leadership awards. She serves on the Boards of international and national scientific associations, and is Chair, Scientific Officer and Expert Reviewer on national and international granting agencies. She served as the Acting Dean and Associate Dean Graduate Education of the Faculty of Pharmacy.

Susanne Benseler, Professor, Department of Pediatrics, University of Calgary; Pediatric Rheumatologist, Alberta Children's Hospital, Alberta Health Services; Director, Alberta Children's Hospital Research Institute



Dr. Susanne Benseler is a Professor of Paediatrics at the University of Calgary. She is an international leader in childhood inflammatory diseases research. She established BrainWorks, a global precision medicine research program for children with brain inflammation - Brain on Fire - resulting in devastating strokes and intractable seizures. BrainWorks research enabled early recognition, effective treatment, and improved outcomes around the world. Her work in the Understanding Childhood Arthritis Network (UCAN) advances precision health strategies for childhood arthritis integrating genomic research, innovative eHealth and economic evaluations. She serves as the Director of the Alberta Children's Hospital Research Institute advancing child health research.

Gillian Booth, Professor of Medicine and Canada Research Chair, University of Toronto; Scientist, Unity Health Toronto



Dr. Gillian Booth is an internationally recognized researcher who investigates and designs evidence-based solutions to address the social, environmental, and healthcare factors behind the diabetes epidemic. She discovered important links between neighbourhood characteristics (such as walkability and retail food options) and residents' risk of diabetes. Her new ways to measure the prevalence of diabetes and its complications reset the standard for diabetes surveillance research. Public health agencies and governments use Dr. Booth's research findings to monitor diabetes in the population, understand how diabetes impacts our health system, and design policies, standards and practices that reduce the risks of diabetes for all.



# NEW FELLOWS 2021

Jean Bourbeau, Professor, McGill University; Director of the Center of Innovative Medicine (CIM), Research Institute- MUHC; Director of the COPD and Pulmonary Rehabilitation, Montreal Chest Institute, MUHC; Respiriologist, Respiratory Division, Department of Medicine, MUHC



Dr. Jean Bourbeau is an international researcher and leader in chronic obstructive pulmonary disease (COPD). He is the founder of the landmark Canadian Cohort Obstructive Lung Disease (CanCOLD), and “Living Well with COPD” for professionals and patient self-management with their international impact on healthcare, policy development and practice guidelines. He is the Past President of the Canadian Thoracic Society (CTS) and Director of the Center for Innovative Medicine, McGill University Health Centre. He was honoured with the “Distinguished Scientist Award”, McGill University (2020-2025), the “CTS Distinguish Achievement Award” (2017) and the “Distinguished CHEST Educator” (2017-2020) of the American Colleague of Chest Physicians.

Adalsteinn Brown, Professor and Dean, Dalla Lana School of Public Health, University of Toronto



Dr. Adalsteinn (Steini) Brown is the Dean of the Dalla Lana School of Public Health at the University of Toronto. Prior to becoming Dean, Steini was the Director of the Institute of Health Policy, Management and Evaluation and the Dalla Lana Chair of Public Health Policy also at the University. Other past roles include senior leadership roles in policy and strategy within the Ontario Government, founding roles in startup companies, and extensive work on performance measurement. He received his undergraduate degree in government from Harvard University and his doctorate from the University of Oxford, where he was a Rhodes Scholar.

Lori Burrows, Professor, Departments of Biochemistry & Biomedical Sciences and Pathology & Molecular Medicine, McMaster University



Prof. Lori Burrows is a world leader in the study of bacterial interactions with surfaces, key to establishing chronic infections through the formation of antibiotic-tolerant biofilm communities. Her innovative work at the Michael G. DeGrootte Institute for Infectious Disease Research is leading the fight against drug-resistant superbugs. Her outstanding research accomplishments, international leadership in the microbiology community, and dedicated mentorship of the next generation of scientists were recognized with election in 2017 to the prestigious American Academy of Microbiology and the 2020 Murray Award for Career Achievement from the Canadian Society for Microbiologists.

Tim Bussey, Professor and Western Research Chair in Cognitive Neuroscience, Western University



Dr. Tim Bussey is a pioneer in our understanding of memory and perception and has made remarkable contributions to both science and the broader science community in Canada and internationally. The focus of his work is the neuroscience of cognition, and to facilitate translation of that understanding from animal models to humans and back. He is recognized internationally for his innovative development of groundbreaking touchscreen technology to investigate learning and memory in mice. Touchscreen systems allow rodent models to be assessed on complex cognitive tests, similar or identical to those used in humans, which greatly increases translatability of findings to patients.



# NEW FELLOWS 2021

## Jack Callaghan, Professor and Canada Research Chair, University of Waterloo



Dr. Jack Callaghan is a Professor of Biomechanics, University of Waterloo and Canada Research Chair in Spine Biomechanics and Injury Prevention. He works with industry and clinical groups translating his internationally renowned chronic injury prevention research into product design, practice guidelines and prevention standards. As director of the Centre of Research Expertise for the Prevention of Musculoskeletal Disorders, he leads a network of 70 scientists and practitioners, and produced the new provincial guideline for prevention of musculoskeletal injury. Dr. Callaghan is a Canadian Certified Professional Ergonomist and has been named a fellow and Career Awardee of the Canadian Society for Biomechanics.

## Christine Chambers, Professor, Dalhousie University



Dr. Christine Chambers is a clinical psychologist, professor, and Tier 1 Canada Research Chair in Children's Pain. Identified as one of Canada's Top 100 Most Powerful Women, she is passionate about research impact and ensuring her work improves children's pain in policy and practice. As the Scientific Director of Solutions for Kids in Pain/SKIP, she is a leader and innovator in patient engagement, partnerships, and the mobilization of health research. Also serving as Scientific Director of CIHR's Institute of Human Development, Child and Youth Health, she is a champion of research promoting the well-being of Canadian children, youth and families.

## Denise Cloutier, Professor, University of Victoria



Dr. Denise Cloutier's community-engaged research promotes applied solutions for healthy aging, well-being, and quality of life for diverse older populations living in urban, rural and suburban communities. She is a champion of rigorous, mixed methods research that emphasizes community engagement and knowledge mobilization. This research draws on sources such as the Canadian Longitudinal Study on Aging, and dynamic partnerships with organizations in BC ranging from government to local seniors groups, individuals and advocates, always with the goal of supporting healthy aging, and access to appropriate health care, services and programs for older persons.

## Beverly Catharine Craven, Senior Scientist, Kite Research Institute, University Health Network



Dr. Cathy Craven is a Senior Scientist at the KITE Research Institute within University Health Network and a Professor of Medicine (Division of Physical Medicine & Rehabilitation) at the University of Toronto. She is internationally recognized as leader in spinal cord injury rehabilitation, medical rehabilitation of sublesional osteoporosis, and health services research. Her work has helped improve the quality and transparency (monitoring) of spinal cord injury rehabilitation across Canada. She is the Founder and Inaugural Chair of the Canadian Spinal Cord Injury Rehabilitation Association, a charity dedicated to enhancing the recovery, health and wellbeing of Canadians living with Spinal Cord Injury.



# NEW FELLOWS 2021

## Alain Dagher, Professor, McGill University



Dr. Alain Dagher is a neurologist at the Montreal Neurological Institute, McGill University. He was trained at the University of Toronto, McGill, Cornell University, and Hammersmith Hospital, London. His research has two components: (1) understanding of Parkinson's disease; (2) identify the neural mechanisms that support motivated decision-making, with application to obesity and over-eating. His research uses functional brain imaging in human subjects, including anatomical and functional magnetic resonance imaging, positron emission tomography, EEG and transcranial magnetic stimulation. Research focuses on Parkinson's disease, stress, addiction, gambling and obesity, as well as problem-solving, learning and experience of musical pleasure.

## Neal Davies, Professor of Pharmacy and Pharmaceutical Sciences, University of Alberta



Dr. Neal Davies is an outstanding researcher, administrator, teacher, pharmacist and pharmaceutical scientist. He is an international renowned in drug investigations from discovery to patient recovery. His research has yielded > 200 publications. He is also a dedicated administrator having been Dean of two U15 Pharmacy Faculties at the Universities of Manitoba and Alberta. He has distinguished performance in the academic health sciences in Canada and published four books involving pharmacokinetics to the history of pharmacy. Dr. Davies has been faithfully dedicated to the advancement of the Canadian Society of Pharmaceutical Sciences for several decades and is now its President-Elect.

## Vincenzo Di Nicola, Professeure titulaire de psychiatrie et d'addictologie avec permanence, Université de Montréal & Institut universitaire en santé mentale de Montréal (IUSMM)



Dr. Vincenzo Di Nicola's work addresses the unmet health needs of three vulnerable groups – children, families, and ethnocultural communities – producing transdisciplinary syntheses with practical impacts. He developed an important clinical guide for work with immigrant families, providing tools for effective therapy with ethnocultural communities, migrants, and refugees. His work on child psychiatric problems across cultures remedies gaps in understanding problems such as eating disorders, selective mutism, and trauma by integrating ethnocultural factors into child psychiatric treatment. Moreover, Di Nicola's work in social psychiatry translates the powerful social determinants of health research into clinical and community services, advocacy, health-care planning, and policy-making.

## Maureen Dobbins, Professor, Scientific Director, McMaster University



Dr. Maureen Dobbins is a world-renowned leader in evidence-informed public health. A professor of Nursing at McMaster University, she is building capacity among a generation of public health decision makers across Canada to find and use best available evidence for policy and practice. She created the world's most comprehensive database of systematic reviews in public health, a national knowledge broker mentoring program, a suite of online learning resources, and co-created a citizen-targeted evidence portal on optimal aging. She responded to decision maker requests for rapid reviews during the COVID-19 pandemic and her advice is sought by organizations throughout Canada and internationally.

# NEW FELLOWS 2021

## Keith S. Dobson, Professor of Clinical Psychology, University of Calgary



Dr. Keith Dobson is one of the world's most highly regarded and influential clinical psychologists. His original scholarship, leadership, and advocacy in multiple areas have significantly changed the ways that practitioners help individuals who suffer from mental health disorders. He has refined models of, and evidence-based treatments for, clinical depression. His research on mental illness stigma has transformed perceptions and attitudes in both social and professional contexts and promoted best practices for stigma reduction. The mental health programs that he has helped to develop have improved the mental wellness of hundreds of thousands of Canadians and have been adopted internationally.

## Lesley Fellows, Professor and Vice-Dean, McGill University



Dr. Lesley Fellows is an expert on the neurobiology of human decision-making. Her interdisciplinary work has shown how the frontal lobes guide everyday choices, from basic decisions about what foods to eat, to complex social choices such as voting. A neurologist-scientist, she studies the effects of stroke or Parkinson's Disease on decision-making and emotion, and how cognitive and mental health can be optimized for people living with chronic health conditions, such as HIV. A leader in her university and internationally, she has championed inclusion to ensure that academic medicine benefits from diverse experience and is applied to improve health for all.

## Stephen Ferguson, Professor and Canada Research Chair, University of Ottawa



Dr. Stephen Ferguson is an internationally recognized leader in the Molecular Pharmacology of G protein coupled receptors (GPCRs) whose ground-breaking research contributions have tremendously advanced our current understanding of GPCR trafficking and physiology. GPCRs account for the majority of drug targets and Dr. Ferguson's research focuses on understanding how GPCR trafficking and altered pharmacological regulation, contribute to disease progression and treatment in hypertension, mental health and neurodegenerative disease such as Alzheimer's and Huntington's disease. He is the founder of the Annual Great Lakes GPCR retreat that provides trainees with networking opportunities and showcases the excellence of Canadian science.

## Catherine Field, Professor, University of Alberta



Dr. Catherine J Field is an international leader in human nutrition, studying ways that long chain fatty acids (LCFA) benefit the immune system. Her work contributed adding LCFA to infant formula and in improvements in women's diet during pregnancy and when fighting breast cancer. Her leadership experience is vast and wide-ranging, including having been President of the American Society of Nutrition, the largest professional nutrition society in the world. She is passionate about serving and supporting collaboration across disciplines to integrate nutrition into health science and apply this knowledge to improve the health of Canadian and global citizens.



# NEW FELLOWS 2021

## David Fisman, Professor, University of Toronto



Dr. David N. Fisman is a recognized expert on the translation of cutting-edge epidemiological and modeling efforts for the quantification and control of infectious diseases into public health practice. He has made transformative contributions to provincial, national and global health policy through his scholarship, extensive voluntary service, and deep commitment to teaching and public education. His work has had direct impact on responses to major public health crises around the world, including the SARS, H1N1 and MERS coronavirus pandemics. He is one of the most prominent voices helping inform Canada's public health response to COVID-19.

## Keith Fowke, Professor, University of Manitoba



Dr. Keith Fowke is Professor and Head in the Department of Medical Microbiology and Infectious Diseases at the University of Manitoba. He has conducted research to determine the mechanism of resistance among women who are intensely exposed to HIV, yet remain uninfected. Dr. Fowke's team is currently testing a novel HIV prevention strategy using the safe, affordable and globally available anti-inflammatory drug, aspirin. He demonstrates national leadership by chairing CIHR's HIV advisory committee and as President of the Canadian Association for HIV Research. Internationally he helped established the HIV-Exposed Seronegative field and his important research is recognized for its innovation.

## Richard Frayne, Professor of Radiology and Clinical Neurosciences, University of Calgary



Dr. Richard Frayne is a tenured Professor at the University of Calgary. He is an imaging scientist whose research bridges natural science and engineering to clinical applications of neurovascular diseases. The TRICKS technology that he co-developed is licensed by MR equipment vendors. Dr. Frayne chairs the Heart and Stroke Foundation of Canada's National Scientific Review Committee, which sets science funding policy in cardio/cerebrovascular research, and links the scientific community and the foundation's Board. Locally, Dr. Frayne was the Scientific Director of the Seaman Family MR Centre, and the current Deputy Director of the internationally acclaimed Hotchkiss Brain Institute.

## Volker Gerds, Director and CEO, Vaccine and Infectious Disease Organization



Dr. Volker Gerds is an internationally recognized expert in the development of vaccines for humans and animals. His work has contributed to the development of several vaccines, adjuvants and novel animal models, and has shed light on our understanding of the immune response to vaccines and infections in both humans and animals. His current research is focused on the interface between humans and animals (One Health) and the emergence of new diseases. Under Dr. Gerds' visionary leadership, the Vaccine and Infectious Disease Organization (VIDO) at the University of Saskatchewan has become a national leader in Canada's response to emerging diseases including COVID-19.



# NEW FELLOWS 2021

## John Gilleard, Professor, University of Calgary



Dr. John Gilleard is a veterinarian and internationally recognized parasitologist and a widely published and cited researcher/educator. His program integrates genomics and genetics to elucidate the molecular mechanisms drug resistance in human and livestock parasites, study their epidemiology and improve diagnosis, surveillance and control. Dr. Gilleard's One Health approach has led him to work with global health agencies such as the World Health Organization and the Bill and Melinda Gates Foundation. He has held senior academic leadership positions including Associate Dean Research, University of Calgary Faculty of Veterinary Medicine and President of the American Society of Veterinary Parasitologists.

## Margaret S. Herridge, Professor of Medicine, University of Toronto and Senior Scientist, University Health Network



Dr. Margaret Herridge is a Professor at the University of Toronto and a Senior Scientist and Respiratory/Critical Care Physician at the University Health Network. An international leader in patient and family caregiver outcomes after critical illness, she currently leads the national RECOVER Program. Dr. Herridge has published almost 200 research articles and book chapters. She has received national and international awards including the Lifetime Achievement Award from the American Thoracic Society (2018) and the Deborah Cook Mentorship Award from the Canadian Critical Care Trials Group (2020). She has mentored over 40 trainees and has given over 150 international presentations.

## Tom Hobman, Professor, University of Alberta



Dr. Tom Hobman is a distinguished cell biologist and virologist whose research is focused on understanding how RNA viruses manipulate host cells to allow replication. He has served in important leadership roles, including on the executive for CIHR panels and journal editorial boards. Recently, Dr. Hobman finished his term as Associate Dean Research Facilities where he oversaw the creation of a network of core facilities that provide expertise and access to state-of-the-art infrastructure for cellular imaging, genomics, transgenics, flow cytometry, lipidomics, and other platforms to hundreds of researchers and their trainees at the University of Alberta and other institutions.

## Steven J. Hoffman, Professor of Global Health, Law, and Political Science, York University



Prof. Steven J. Hoffman is a world-leading authority on global health law and the global governance of health threats that transcend national borders. He has achieved important scientific breakthroughs and policy impacts by combining law and epidemiology to address challenges faced by the numerous national governments and United Nations agencies that rely on his advice. As a CIHR Scientific Director, Steven is a leading voice in public health and champion for integrating research evidence into policymaking processes. He is a distinguished research chair at York University, director of a World Health Organization Collaborating Centre, and frequent contributor to news media.

# NEW FELLOWS 2021

## Mansoor Husain, Professor of Medicine, University of Toronto



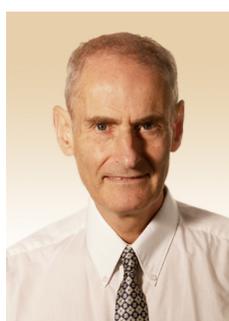
Dr. Mansoor Husain is a leading clinician-scientist whose research is focused on uncovering the pathophysiological mechanisms that regulate human cardiovascular disease. His research approaches include molecular and cellular studies in model systems, and extend to both early late phase clinical trials. His work has revealed multiple pathways that influence the risk of cardiovascular disease and diabetes. Novel relationships that he has uncovered that regulate these diseases have revealed new treatment targets and strategies that may improve cardiovascular outcomes.

## Alfonso Iorio, Professor and Chair, Department of Health Research Methods, Evidence and Impact, McMaster University



Dr. Alfonso Iorio is an internationally renowned hematologist whose research harnesses information technology and communications strategies to augment the transfer and application of best evidence at the point of care for patients with hemophilia and allied bleeding disorders. Lay citizens and patients are fully included at all stages of his research, which has resulted in more efficient, timely ways to incorporate new evidence into education, practice, and procedures. His research findings have been transferred into software applications used by thousands of doctors and patients in more than 100 countries.

## David J. A. Jenkins, Professor, Department of Nutritional Sciences and Department of Medicine, University of Toronto; Director, Risk Factor Modification Center and Scientist, Li Ka Shing Knowledge Institute, St. Michael's Hospital



Dr. David Jenkins is a University Professor, Department of Nutritional Sciences, University of Toronto and, a Staff Physician in the Division of Endocrinology and metabolism, Director of the Clinical Nutrition and Risk Factor Modification Center and Scientist, Li Ka Shing Knowledge Institute, Unity Health Toronto. He researches dietary prevention and treatment of chronic diseases, including heart disease, diabetes and cancer. His team was the first to define and explore the glycemic index of foods and show that soluble fibre can lower blood glucose and cholesterol. These nutrition concepts are recognized around the world, and helped shape many national and international dietary guidelines.

## Ingrid Johnsrude, Professor and Western Research Chair in Cognitive Neuroscience; Director, Western's Brain & Mind Institute



Dr. Ingrid Johnsrude's major contributions are related to how the brain is organized for perception of speech and language. She trained as a clinical neuropsychologist, and uses neuroimaging and psychoacoustic methods to study how cognitive control and knowledge facilitate speech comprehension when background sound makes it hard to hear. In particular, she has contributed novel magnetic resonance imaging methods to study brain-behaviour relationships; has discovered how familiar voices aid speech perception in noise, and her work on brain organization supporting speech perception has been influential. Her work is especially clinically relevant for older people, who often have difficulty understanding speech in noise.

# NEW FELLOWS 2021

## Ridha Joobar, Professor, McGill University



Prof. Joobar is a psychiatrist who dedicated his research and clinical work to improve the care for patients with Neurodevelopmental disorders like schizophrenia, attention deficit/hyperactivity disorder and autism. He contributed to the identification of several genetic variants and environmental risk factors implicated in these disorders or in how these disorders respond to medications. He also contributed to the betterment of services offered to patients with neurodevelopmental disorders and their families through the conceptualisation and the advocacy of new, comprehensive, and more Humane care models. He also contributed to advance the theoretical framework of psychiatry as a medical discipline rooted in biology and human sciences.

## Gilaad G. Kaplan, Professor, University of Calgary



Dr. Gilaad Kaplan is a gastroenterologist and epidemiologist who is internationally renowned for studying the global epidemiology of digestive diseases. He is the Past Chair of the Scientific and Medical Advisory Counsel of Crohn's and Colitis Canada (CCC), as well as the co-chair of CCC's National COVID-IBD Taskforce. He was inducted as a Fellow of the American Gastroenterological Association and named by Healio Gastroenterology as one of the top 200 leading innovators in the field of gastroenterology. In 2020, Clarivate, Web of Science named him a Highly Cited Researcher in recognition of being in the top one percent of cited researchers.

## Janice M. Keefe, Professor and Chair, Department of Family Studies and Gerontology; Lena Isabel Jodrey Chair in Gerontology, Mount Saint Vincent University and Director, Nova Scotia Centre on Aging



Dr. Janice Keefe is a resource to municipal and provincial governments and the federal government on aging, home care, long term care, and caregiving. Her academic output has earned her a Canada Research Chair 2002-12, a named chair in Gerontology at Mount Saint Vincent University, and on the CAHS Dementia Assessment Panel in 2019 and the Royal Society of Canada assessment on the impact of COVID on seniors in 2020. She is Director of the Nova Scotia Centre on Aging and has won awards from the Canadian Association of Gerontology and the Global Ageing Network and several local awards.

## David Kelton, Professor of Epidemiology, University of Guelph



Dr. David Kelton is a world-class dairy cattle epidemiologist, Dairy Farmers of Ontario Dairy Cattle Health Research Chair, and Director of the Dairy at Guelph Centre. His research focuses on maintaining a healthy and sustainable food supply using a One Health approach for the prevention of infectious diseases. A leader in national and international dairy cattle working groups, including chairing the International Dairy Federation Standing Committee on Animal Health and Welfare, he contributes to dairy cattle health, welfare and sustainability. His current work focuses on prudent antimicrobial use in animal agriculture, contributing to a safe and wholesome dairy supply and promoting public confidence.



# NEW FELLOWS 2021

Richard Leigh, Senior Associate Dean – Faculty Affairs, Cumming School of Medicine, University of Calgary



Dr. Richard Leigh is one of Canada's leading asthma specialists, recognized internationally for his work in improving asthma patient care. As a highly regarded clinician-scientist, he has successfully linked translational and clinical research findings to enhance our understanding of and improve treatments for asthma. His work is regularly highlighted through his impressive publication record, numerous invited talks and multiple awards for both clinical and research excellence. His commitment to academic leadership and mentoring (capacity building) has been recognized by his appointments as the former Academic Department Head, Medicine, and currently as a Senior Associate Dean in the Cumming School of Medicine.

Mitchell Levine, Professor, McMaster University



Dr. Mitchell Levine is a Professor at McMaster University and Assistant Dean for the Masters and PhD program in Health Research Methodology. He is a leader in the safe, effective, and appropriate use of medications in Canada, achieving this distinction through his research productivity, educational roles and activities as an advisor to governments relating to pharmaceutical policies. Mitchell has demonstrated leadership in many pharmacological societies in Canada and internationally, and was editor-in-chief for two peer-reviewed scientific journals. He has been the director of two research centres, one focussing on the use of medications and the other on health technology assessment.

Teresa Liu-Ambrose, Professor, University of British Columbia



Dr. Teresa Liu-Ambrose is Professor of Physical Therapy at the University of British Columbia. She is a Canada Research Chair in the area of healthy aging. She is known internationally for her work on the effect of exercise on cognitive and mobility outcomes in older adults. Her research findings have been implemented in health authorities, translated into a provincial-wide program, and influenced international practice guidelines to promote healthy aging. She has held numerous leadership roles, including Director of the Vancouver General Hospital Falls Prevention Program, co-Director of the Centre for Hip Health, and site lead for the Canadian Longitudinal Study on Aging.

Richard Long, Professor, University of Alberta



Dr. Richard Long is a clinician-scientist with a national and international reputation in tuberculosis prevention and care. His interest in tuberculosis, social justice, and health equity stems from volunteer and research work at Hôpital Albert Schweitzer in Haiti. He created the Tuberculosis Program Evaluation and Research Unit at the University of Alberta where he supervised the training of multiple graduate students, postdocs and clinical fellows, developed a wholly public health/academic service delivery model, including virtual care to remote communities, and elevated the standard of tuberculosis prevention and care across Canada. He is an outspoken advocate for the rights of Indigenous peoples.



# NEW FELLOWS 2021

Maureen Markle-Reid, Professor and Canada Research Chair in Person Centred Interventions for Older Adults with Multimorbidity and their Caregivers, School of Nursing, Faculty of Health Sciences, McMaster University



Dr. Maureen Markle-Reid's internationally recognized research program focuses on developing, implementing, evaluating and scaling-up integrated, patient-oriented interventions to improve care and outcomes for older adults with multimorbidity (2+ chronic conditions) and their caregivers living in the community. As part of this work, she focuses on advancing the science of patient-oriented health care intervention research. She fosters partnerships between researchers and knowledge users – clinicians, policy makers, patients, caregivers – to produce research that directly responds to the information needs of these groups. Dr. Markle-Reid's work has had international and national impact and resulted in evidence-based solutions that address the challenges of multimorbidity, a priority for global health research.

Ruth Ann Marrie, Professor of Medicine and Community Health Sciences, University of Manitoba



Dr. Ruth Ann Marrie, Professor of Medicine and Community Sciences at the University of Manitoba, and Director of the Multiple Sclerosis (MS) Clinic at Health Sciences Centre Winnipeg, is internationally known for establishing the wide-ranging impact of comorbidity on outcomes in MS. She serves as Chair of the Medical Advisory Committee for the MS Society of Canada, and the International Advisory Committee on Clinical Trials in MS. She is the Vice Chair-Elect of the Scientific Steering Committee for the International Progressive MS Alliance. She received the Canadian Society for Clinical Investigation's Distinguished Scientist Award in 2018.

Alex Mihailidis, Professor & Associate VP – International Partnerships, University of Toronto



Dr. Alex Mihailidis is considered to be the international leader in technology to support older adults, with over 200 scientific papers and 50 international invited lectures on this topic. He is the Scientific Director of the AGE-WELL Network of Centres of Excellence, which focuses on the development of new technologies and services for older adults, a Senior Scientist at UHN's KITE Institute, and a Professor at the University of Toronto. Dr. Mihailidis is a Lifetime Honorary Member of the Canadian Association for Occupational Therapists and a Fellow of the Rehabilitation Engineering and Assistive Technology Society of North America (RESNA).

Kieran Moore, Chief Medical Officer of Health, Ministry of Health of Ontario



Dr. Kieran Moore is the Chief Medical Officer of Health for Ontario, Canada, Fellow of the Royal College of Physicians and Surgeons of Canada in Public Health and Preventive Medicine, and Director for the Canadian Lyme Disease Research Network. He is a Professor of Emergency Medicine, Family Medicine and Public Health Sciences at Queen's University in Kingston. Dr. Moore has extensive experience in public health surveillance systems, pre-hospital care, and multidisciplinary research projects. His main areas of interest are: evaluation of various data streams for the early detection of outbreaks, and assessment of deprivation distribution in populations.



# NEW FELLOWS 2021

## Michelle F. Mottola, Professor, Western University



Dr. Michelle Mottola has been instrumental in shaping the importance of exercise and physical activity for pregnant and postpartum women. Her group published 12 systematic reviews providing overwhelming evidence that exercise is safe during pregnancy. This helped develop the 2019 Canadian Guideline for Physical Activity throughout Pregnancy published jointly by the Society of Obstetricians and Gynecologists of Canada and the Canadian Society for Exercise Physiologists. Her work has helped shift clinical practice from recommending “just be more active”, to prescribing daily physical activity to reduce pregnancy complications and optimize the benefits of a healthy lifestyle for both mom and baby.

## Douglas P. Munoz, Professor, Queen’s University



Prof. Douglas Munoz is a transformational leader in the field of systems neuroscience, and an ambassador for Canadian neuroscience on the global stage. A Tier I Canada Research Chair in Neuroscience since 2001, his award-winning research on how the brain controls eye movements has led to 200 top-tier highly influential publications. Furthermore, he has translated this work to develop new diagnostic tools for a variety of brain disorders, including Alzheimer’s Disease, Parkinson’s Disease, bipolar disease, frontotemporal dementia and many more. These findings were incorporated into the Ontario Neurodegenerative Diseases Research Initiative, a ground-breaking study which he co-leads.

## John Muscedere, Professor, Queen’s University



Dr. John Muscedere is a Professor of Medicine at Queen’s University and an Intensivist at Kingston Health Sciences Centre. His career has centred on improving care for critically ill patients through evidence based-changes at the system, regional and local level. He has extensive experience in clinical research including systematic reviews and meta-analyses, clinical trials and frailty in critical care. Dr. Muscedere is the Scientific Director for the Canadian Frailty Network (CFN). CFN aims to improve care for frail elderly Canadians through the generation of new knowledge, knowledge mobilization, partnerships and training the next generation of highly qualified personnel.

## Vivian K. Mushahwar, Professor and Director, Canada Research Chair in Functional Restoration, University of Alberta



Dr. Vivian Mushahwar is Canada Research Chair in Functional Restoration at the University of Alberta. Her pioneering contributions to the understanding and application of neuromodulation to reactivate the nervous system after neurotrauma or disease are leading to new therapeutic interventions for restoring mobility and preventing secondary complications. She is recognized worldwide for her innovative research. Dedicated to interdisciplinary research and training the next generation of scientists and professionals, she founded the multi-disciplinary Sensory Motor Adaptive Rehabilitation Technology (SMART) Network. She helps national and international agencies in disseminating knowledge, supporting trainees and improving the abilities of persons living with neurological conditions.

# NEW FELLOWS 2021

## Sylvie Nadeau, Professeure titulaire, Université de Montréal



Dr. Sylvie Nadeau is an internationally recognized physiotherapist and researcher in rehabilitation sciences who specializes in the understanding of mobility disorders in the elderly and in persons with physical disabilities. Her work has led to the development of innovative practices in rehabilitation. As a leader in her discipline, she created an advanced practice program in physiotherapy and established international student exchange agreements between universities. A visionary, she drives rehabilitation research in Quebec by developing national and international strategic partnerships and by rallying intersectoral collaboration to provide better health care and services to Canadians.

## Anne Monique Nuyt, Directrice et Cheffe, Département de pédiatrie, Faculté de médecine, Université de Montréal et CHU Sainte-Justine



Dr. Anne Monique Nuyt is a neonatologist and researcher with a long-standing interest in cardiovascular diseases risk of her preterm patients as they reach adulthood. By combining her vast experience in the neonatal intensive care unit with experimental-, clinical and population-based studies of young adults born preterm, her pioneering work unravels how cardiovascular problems develop after preterm birth, identifies optimal screening strategies and tests specifically targeted therapies. Beyond her own research, Dr. Nuyt significantly contributes to promote the study of early life determinants of pediatric and adult health through conferences, patient advocacy, involvement in scientific societies, and mentoring of younger clinician-scientists.

## Gina Ogilvie, Professor, Faculty of Medicine, University of British Columbia



Dr. Gina Ogilvie is a globally recognized leader in the field of women's reproductive and sexual health, with a particular expertise in cervical cancer. Her team's research has shaped global policy as the world strives to eliminate cervical cancer, including guiding policies on HPV vaccine dosing and optimal screening approaches for cervical cancer. She is a Tier 1 Canada Research Chair in Global Control of HPV related cancers, and has received global recognition for her work and contributions, including YWCA Women of Distinction (2018) and American STD Association Achievement Award (2020).

## Gavin Y. Oudit, Cardiologist and Clinician-Scientist, University of Alberta



Dr. Gavin Oudit has dedicated his career to the advancement of cardiovascular medicine and knowledge thereof in provincial, national and international settings through his research, education and clinical practice. He has made novel discoveries and several have translated into clinical trials including recombinant human ACE2 for lung disease and key role of ACE2 in COVID-19. He is involved with national and international societies and organizations for the promotion of cardiac research and health including in vulnerable patient groups. His leadership in enhancing translational research and innovative clinical care is coupled with 297 peer-reviewed publications (total citations=22,332; h-index=78) and multiple media highlights.



# NEW FELLOWS 2021

Amit M. Oza, Head, Division of Medical Oncology & Hematology, Director of Clinical Research, Princess Margaret Cancer Centre, University Health Network, University of Toronto



Dr. Amit Oza has dedicated his clinical and research activities to women diagnosed with gynaecologic cancers. He established a Pan-Canadian early phase clinical trials network that has made precision medicine available to women with gynaecologic cancers upwards of five years prior to clinical approval, and led or participated in more than 100 trials. The trials resulted in the clinical approval and use of two classes of precision medicine drugs (antiangiogenics and PARP inhibitors) in ovarian cancer in Canada and internationally. His research has uncovered biology driving treatment resistance and continues to influence drug development efforts.

Anita Palepu, Professor and Eric W. Hamber Chair, Department of Medicine, University of British Columbia and Head, Department of Medicine, Providence Health Care



Dr. Anita Palepu is the Head of the Department of Medicine at the University of British Columbia. Her outstanding contributions to research on the utilization of health services and the health status of vulnerable populations have had an immeasurable impact on improving health outcomes of marginalized patients living in urban settings. Her renowned dedication to teaching, mentoring, justice, equity and diversity is exemplified in every aspect of her scholarship, clinical care, service to the academic community, to the departments she leads, and to the patients whose lives she touches.

Margaret J. Penning, Professor Emeritus, Sociology, Faculty of Social Sciences, University of Victoria



Dr. Margaret Penning examines aging, health and health care, and focuses particularly on social inequality and vulnerability on the one hand and family ties and relationships, caregiving, home and long-term care, and health care policy on the other. She takes a broad perspective, and advances both theoretically relevant and applied research across disciplines and in collaborative community-based contexts. Her research and outreach have improved health care for vulnerable people both directly and through policy changes across Canada.

Jim Petrik, Professor, University of Guelph



Dr. James (Jim) Petrik is an international leader in translational ovarian cancer research, pioneering the use of novel therapeutics to enhance the uptake and efficacy of other therapeutic modalities. With this approach, Dr. Petrik has been able to induce regression of advanced stage ovarian cancer in preclinical models generated in his laboratory. Dr. Petrik is a strong advocate for ovarian cancer research, both at the federal government and community levels. In addition to his academic role as a University of Guelph Professor, Dr. Petrik has had long-standing involvement in the fire service and is Chief of the Guelph/Eramosa Fire Department.



# NEW FELLOWS 2021

## Jane Philpott, Dean, Faculty of Health Sciences, Queen's University



Dr. Jane Philpott is an accomplished physician, academic administrator, and former Canadian politician. She strives constantly and consistently to improve quality of health care, both nationally and internationally, underlying a passion to establish “health for all” as a clinician working directly with patients, but also through improvements in infrastructure and health policy. Her work for equity, diversity and inclusion in health care centers on health professions education, creating an environment to train a more diverse cohort of healthcare practitioners and developing programs, like the Global Health Initiative, to see more diversification of training.

## Vincent Piguet, Department Division Director, Dermatology and Professor, Department of Medicine, University of Toronto; Division Head, Dermatology, Women's College Hospital; Scientist, Women's College Research Institute



Dr. Vincent Piguet is an internationally recognized clinician scientist and dermatologist focusing on skin immunology and infection. He has been an invited speaker at over 160 national and international meetings, including the World Congress of Dermatology and Keystone meetings. He has authored 240 peer-reviewed publications including in Cell, Immunity, and The Lancet. He is Deputy Editor for the Journal of Investigative Dermatology, the top research journal in his field. He is the Past-President of the European Society for Dermatological Research and past President-Elect of the European Dermatology Forum, and in 2017 was honoured with membership of the Academia Europaea.

## Rebecca Pillai Riddell, Professor and Associate Vice-President Research, York University



Dr. Rebecca Pillai Riddell (Professor of Psychology, York University) has focused her research in the pediatric behavioural and biobehavioural sciences. She built the first and largest cohort in the world studying young children through painful vaccinations over the first years of life. She has generated an unrivalled published literature on the biopsychosocial dimensions of infants' and young children's acute pain. She is a tireless advocate for equity, diversity, and inclusion and strives to create systemic infrastructure that supports a more just future for patients, their families, health professionals, research trainees, and researchers.

## Rémi Rabasa-Lhoret, Professor of Medicine and Nutrition, Université de Montréal, Institut de Recherches Cliniques de Montréal (IRCM)



Dr. Rémi Rabasa-Lhoret is Professor of medicine and nutrition at the Université de Montréal and Vice-president (clinic and clinical research) at IRCM. He works on type 1 diabetes to reduce the frequency and consequences of hypoglycemia (low blood sugar) and is an ardent promoter of patient well-being. He is a leader in the development of artificial pancreas and the instigator of a large diabetes registry. He holds two diabetes research chairs, has published over 335 manuscripts, and contributed to national and international treatment recommendations. He also investigates causes and consequences of diabetes in patients living with cystic fibrosis.

# NEW FELLOWS 2021

Fred Saad, Professor and Chief of Urology and Director of GU Oncology, Centre Hospitalier de l'Université de Montréal



Dr. Fred Saad is Professor and Raymond Garneau Chair in Prostate Cancer at University of Montreal/CHUM. He has held many leadership positions and served on several prestigious international editorial boards. He played a major role in the research leading to most of the new treatments used for advanced prostate cancer. With over 700 scientific publications and 85,000 citations, he is among the world's most cited scientists. Committed to patient education, he has written the most widely used book for patients with prostate cancer in Canada. His numerous awards include 'The Order of Quebec' the highest honor given by the Quebec government.

Aaron Schimmer, Research Director, Senior Scientist, Staff Physician, Professor, Princess Margaret Cancer Centre, University Health Network



Dr. Aaron Schimmer is Director of Research, Senior Scientist and Staff Physician at the Princess Margaret Cancer, University Health Network and Professor of Medicine and Medical Biophysics at the University of Toronto. As a Past President of the Canadian Hematology Society, he is an international authority in translational cancer research focused on blood cancers known as leukemia. His pioneering contributions to understanding mitochondrial and metabolic pathways in acute myeloid leukemia cells and stem cells have paved the way for new treatments for the disease. His innovative research has led to a number of clinical trials on new targeted agents.

Shannon Scott, Professor, Canada Research Chair, Acting Vice Dean, University of Alberta



Dr. Shannon Scott is an internationally recognized nurse, scientist, educator and knowledge translation leader. As the Canada Research Chair in Knowledge Translation for Children's Health, Dr. Scott has improved health outcomes for children through her interdisciplinary research that merges research and the arts to develop national award winning mHealth tools for Canadian families. She is a founding co-Director of Translating Emergency Knowledge for Kids (TREKK) a national initiative that is gamechanging for children's emergency care. She has successfully trained multiple scientists and clinicians and mentored early-career academic faculty who have gone on to successful careers in leadership, academia and healthcare.

Nabil G. Seidah, Directeur du laboratoire de Biochimie Neuroendocrinienne, Institut de Recherches Cliniques de Montréal (IRCM)



Leader mondial incontestable des "Proprotéines Convertases", ayant cloné sept des neuf Convertases, Nabil G. Seidah démontre leurs implications dans plusieurs pathologies humaines, notamment le rôle de PCSK9 dans l'hypercholestérolémie familiale. Il est à l'origine du médicament le plus efficace à ce jour pour réduire le LDL-cholestérol sanguin. Il est auteur de plus de 760 publications et a prononcé 470 conférences dans 30 pays. Ses découvertes majeures font partie des manuels de biochimie et de médecine. Passionné par la découverte, il a formé une relève de 150 étudiants/chercheurs. Son équipe cherche à identifier d'autres traitements contre les maladies cardiovasculaires, infections virales et cancer.



# NEW FELLOWS 2021

Walter L. Siqueira, Professor and Associate Dean Academic, University of Saskatchewan



Dr. Walter Siqueira is a dental clinician-scientist recognized internationally for his expertise in saliva. He completed his DDS, and PhD in oral biology/biochemistry in Brazil and, a postdoctorate in oral biology in the USA, and is currently Professor and Associate Dean, Academic at the University of Saskatchewan, where he also leads the Salivary Proteomics Research Laboratory. His translational research program uses salivary components to investigate a wide variety of oral health conditions and to develop saliva-based diagnostics and therapeutics. He is highly involved with the Canadian Association for Dental Research (President 2019-2021) and other national and international oral health research organizations.

Anna Taddio, Professor, University of Toronto



Dr. Anna Taddio, Professor, Leslie Dan Faculty of Pharmacy, and Senior Associate Scientist, The Hospital for Sick Children, is internationally recognized for her work related to pain management during medical procedures and the long-term harms of unmitigated pain. Dr. Taddio founded and currently leads a national inter-disciplinary, multi-sectoral team, Help Eliminate Pain in Kids and Adults (HELPinKids&Adults), investigating and promoting evidence-based pain management during vaccination. The World Health Organization adopted the recommendations from Dr. Taddio and her team in its first ever global guideline about reducing pain at the time of immunization, applicable to 194 member countries.

Gail Tomblin Murphy, Vice-President Research, Innovation & Discovery and Chief Nurse Executive, Nova Scotia Health



Dr. Tomblin Murphy is an experienced health leader and an internationally recognized expert in population needs-based approaches to health systems and workforce planning, evaluation and research. She is the Vice President of Research, Innovation and Discovery, and Chief Nurse Executive at Nova Scotia Health. She currently serves on the National COVID-19 Immunity Task Force Leadership Group, as well as directs the WHO/PAHO Collaborating Centre on Health Workforce Planning and Research at Dalhousie University. An active researcher and champion of research and innovation in healthcare, she leads teams to seek creative solutions and agile processes in order to deliver the best care and the best health outcomes for patients and their families.

Suzanne Tough, Professor, Paediatrics, Cummings School of Medicine, University of Calgary



Dr. Suzanne Tough's research on maternal health has led to fundamental changes in prenatal care, and clinical practice. She leads the innovative All Our Babies/Families study; a cohort of over 3000 families followed prospectively for 10 years resulting in a changed understanding of the relationship between early life events, mental health and long-term outcomes. She is a leader in translating evidence to practice, longitudinal research, and mental health. She is a Professor in the Cummings School of Medicine and has held leadership roles as a Scientific Director and Policy Fellow. She has been recognized by numerous agencies including the Canadian Pediatric Society, Global YWCA Women of Vision, and the United Nations International Women's Day for her leadership in innovation, science and mentorship.



# NEW FELLOWS 2021

## Ming Sound Tsao, Senior Scientist, Pathologist and Professor, University Health Network



Dr. Ming Sound Tsao is Professor of Laboratory Medicine and Pathobiology, University of Toronto, and Pathologist-Scientist at the University Health Network. He is an internationally recognized leader in lung cancer pathology, and in cancer biomarker and translational research. His works contributed to the establishment of molecular prognostic and predictive biomarkers in personalized and precision cancer therapy. He is an authority in the standardization of cancer biomarker assays and their clinical implementation. He contributed to the classification for lung tumours that is adopted by the World Health Organization. He is a leader in correlative science in cancer clinical trials.

## Togas Tulandi, Professor and Chair of Department of Obstetrics and Gynecology and Milton Leong Chair in Reproductive Medicine, McGill University



Dr. Togas Tulandi is Chair of Obstetrics and Gynecology and Milton Leong Chair in Reproductive Medicine at McGill University and the Department Chief at McGill University Health Centre. He is a known reproductive/minimally invasive surgeon and has written over 400 articles, 60 book chapters, and 14 books. His research includes improved diagnosis, treatment and complications of endometriosis. Among many awards, he is a recipient of Award of Excellence in Reproductive Medicine and the Society of Reproductive Surgeons Distinguished Surgeon Award. He was a president of different societies nationally and internationally. He is the Editor-in Chief for the Journal of Obstetrics and Gynaecology Canada.

## Cheryl Waldner, Professor, University of Saskatchewan



Dr. Cheryl Waldner is a professor of epidemiology and research chair from the University of Saskatchewan. Her transdisciplinary work has informed antimicrobial stewardship and surveillance, water quality and health, farm-to-fork management of food safety, and public health pandemic forecasting and planning. Her current research is focused on the use of system science tools, including system dynamics and agent-based models, to understand the impact of rapid diagnostics and infection prevention measures on enhancing antimicrobial stewardship and infection prevention and control. She is widely recognized for her expertise in factors affecting the productivity of cow-calf herds and the investigation of disease outbreaks.

## Sharon Walmsley, Professor of Medicine, University of Toronto



Dr. Sharon Walmsley is a trailblazer in HIV and AIDS research and treatment in Canada. For more than three decades she has been at the forefront of advances in health care and initiatives to overcome the epidemic. Dr. Walmsley spearheaded early developments on opportunistic infections and antiretroviral therapy, and she is now a world leader in research on aging with HIV and long-term care. Dr. Walmsley has always been a champion for women living with HIV and brought attention to issues specific to women. Her expertise is internationally recognized and has made her a Canadian authority on HIV and AIDS.



# NEW FELLOWS 2021

Phil Wells, Professor and Distinguished Research Chair, University of Ottawa; Chief, Department of Medicine, Ottawa Hospital



Dr. Phil Wells is a Hematologist. He is currently a University of Ottawa Distinguished Research Chair in Translational and AI Research in Venous Thrombosis. He is perhaps best known for pioneering the concept of clinical prediction rules: the “Wells Model for DVT” and the “Wells Model for PE” are taught and used world-wide. He has received over \$30 million in peer reviewed research funding and has over 380 publications. His work has been acknowledged through a Canada Research Chair, and several lifetime achievement awards. His current interests are Cancer Associated Thrombosis and AI to improve or develop clinical predictive analytics.

Richard W. Wozniak, Professor of Cell Biology, University of Alberta



Dr. Richard Wozniak is an international leader in cell biology. His work on how the cell nucleus, the storehouse of the cell’s genetic material, receives and transmits information has produced many groundbreaking findings and garnered international recognition for scientific excellence. His fundamental discoveries have provided molecular insights into the causes of cancer and cardiovascular disease. Throughout his career he has dedicated himself to training young scientists and serving the health sciences community. He has held numerous advisory and leadership positions at the University of Alberta and with provincial and national organizations, including CIHR and the Canada Gairdner Foundation.