



# Royal Society of Canada

## Class of 2025



Award-winning historian **Linda M. Ambrose** has earned an international reputation for her explorations of rural women and women and religion. Her investigation of feminism in contexts like Women's Institutes in Ontario and the United Kingdom, has resulted in publications including *For Home and Country* with its revelations about ubiquitous grassroots feminism. Her publications about North American Pentecostalism expose the gendered ambiguities women navigate within patriarchal institutions that espouse egalitarian rhetoric.

*School of Liberal Arts*

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*Laurentian University*

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Academy of Arts and Humanities





**Bruce Arndtsen**, a James McGill Professor, is an international leader in the field of catalysis, Green chemistry and organic synthesis. His group has pioneered routes to use visible light and electricity to power metal catalysis and tie chemical production to renewable energy sources. They have shown how catalysts can be used to streamline the synthesis of pharmaceuticals, and reported the first examples of using ions to control selectivity in catalysis; an approach now commonly used for the assembly of chiral materials.

*Department of Chemistry*

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*McGill University*

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Academy of Science





**Alán Aspuru-Guzik** is a pioneer in developing quantum algorithms and artificial intelligence algorithms for chemistry. His field-defining contributions include quantum algorithms for molecular simulation, such as the variational quantum eigensolver, as well as generative algorithms for molecular design. He has also developed AI-discovered molecules for drug discovery and self-driving laboratories for accelerated materials discovery. Furthermore, he is developing artificial intelligence agents for scientific applications, such as quantum chemistry.

*Department of Chemistry and Computer Science*  

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*University of Toronto*

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Academy of Science





**Sylvain Baillet** is an internationally recognized leader in neuroscience and neuroimaging. His pioneering work has advanced understanding of the complex dynamics of brain systems and predictive neural mechanisms supporting perception and cognition across health and disease. A champion of open science, he has developed widely used software tools and global datasets. His interdisciplinary contributions have transformed brain research methods and fostered innovation across biomedical, computational, and clinical neuroscience.

***Montreal Neurological Institute***

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***McGill University***

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Academy of Science





**Jennifer Bain** is recognized internationally as an authority on the music and reception of 12th-century composer Hildegard of Bingen, and as a leader in the development of digital tools for the study of medieval European liturgical music. Committed to public outreach, she has brought her research to broader audiences through contributions to popular media outlets and collaboration on the development of public exhibitions, concerts, and SoundWalks in Canada, the U.S. and Europe.

***Fountain School of Performing Arts***  

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***Dalhousie University***

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Academy of Arts and Humanities





**Gerald Batist** is a consummate clinician-scientist whose vision and drive has generated new biological insights and novel treatment options. He created national and international consortia to advance the science and implementation of personalized medicine (PM), including novel proteo-genomic biomarkers and new treatments, including innovations like nanorobots and new molecules to overcome resistance to effective treatments that arises in tumours.

*Department of Oncology*

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*McGill University*

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**Shai Ben-David** is a distinguished computer scientist and a world leader in machine learning theory. He is especially known for his pioneering research on adapting machine learned predictors to changes in the environment. He has also made fundamental contributions to the basic task of clustering and to understanding which statistical inference problems can be successfully solved with machine learning algorithms.

*School of Computer Science*

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*University of Waterloo*

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**Peter Benson**, Professor of Law and Donald Crawshaw Professor of Private Law at the University of Toronto is a world-renowned scholar of contracts and legal theory. Over the course of four decades, he developed a theory of contract law comprehensively stated in his 2019 book, *Justice in Transactions: A Theory of Contract Law* (The Belknap Press, Harvard University Press) which is internationally recognized as among the most important books on contract law and theory and has been cited in groundbreaking Supreme Court of Canada decisions.

*Faculty of Law*

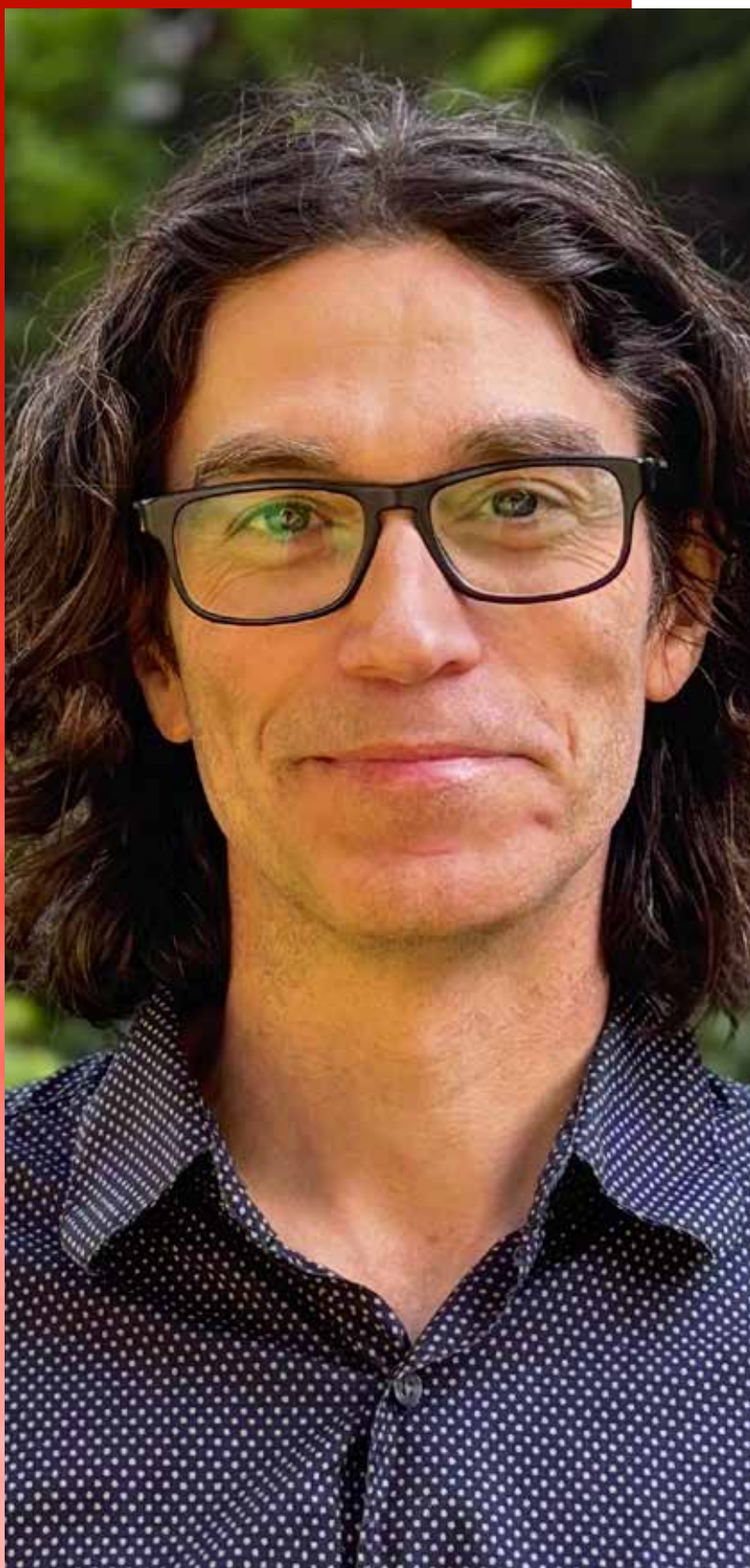
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*University of Toronto*

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Academy of Social Sciences





**Allan Bertram** is a Professor of Chemistry and Distinguished University Scholar at The University of British Columbia and a leader in atmospheric chemistry. His research has significantly advanced the understanding of atmospheric aerosols. He developed new methods to study aerosols, characterized key properties, and contributed theoretical frameworks to predict their behaviour. His work has improved our understanding of air quality and climate and supports models that inform global environmental policy.

*Department of Chemistry*

*The University of British Columbia*

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Academy of Science





Professor, former Dean, Chair of AERI, Associate Director of the Posthumanism Research Institute, and Chief Examiner of IBO Visual Arts, **Fiona Blaikie's** scholarship examines social theory, culture, aesthetics and visual pedagogies. Her recent edited collection *Visual and cultural identity constructs of youth and young adults: Being, becoming and belonging* draws on situated knowing, new materialities, worlding, affect, and post-qualitative methods. Awards for scholarship include CSEA and the USSEA/InSEA International Ziegfeld Award.

***Department of Educational Studies***  
***Brock University***

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Academy of Arts and Humanities





**Lori Burns** is at the forefront of international popular music studies. She has transformed the field by applying interdisciplinary and intersectional feminist methods, bringing to light crucial diversity, equity, and inclusion issues in music and culture. Her scholarship unveils the complex ways in which music challenges discourses of power and dominant representations of cultural identities, deepening our understanding of popular music expression and demonstrating how music can speak to and for human subjects.

*School of Music*

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*University of Ottawa*

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**Gordon Campbell** is a Canadian whose career was built in England, where he is Emeritus Professor of Renaissance Studies at University of Leicester. He is a cultural historian whose principal interests are in John Milton and the King James Bible. Broader interests on which he publishes include art, architecture, classical antiquity, ecclesiastical history, garden history, and the Nordic world. He is a Fellow of the British Academy and Academia Europaea.

*School of Arts*

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*University of Leicester*

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**Kipp Cannon** has made extensive contributions to the field of observational gravitational-wave astronomy. The signal processing systems he has developed based on his theoretical work on the use of self-training algorithms for signal detection in noisy data have made numerous discoveries of exotic astronomical phenomena. He is an advocate for open software and hardware, and advocates for repeatability and transparency in science, particularly regarding research that rests on computational results.

*Research Center for the Early Universe*  
*The University of Tokyo*

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Academy of Science





**R. Nicholas Carleton** is internationally recognized for his leadership in supporting the mental health of first responders and other public safety personnel. His award-winning work has focused on developing, deploying, and iteratively improving evidenced-based assessments, treatments, and training. He collaborates extensively, supports numerous students and trainees, and has had a major impact on the field of public safety personnel psychology.

*Department of Psychology*

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*University of Regina*

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Academy of Social Sciences





**Benoit Chabot** is a pioneering RNA biologist with over four decades of groundbreaking research. His work on alternative splicing has transformed our understanding of gene regulation and its impact on health and disease. Chabot's discoveries have shed light on cancer, cellular aging, and viral infections. As an outstanding leader in his field, he has fostered collaboration among scientists and contributed to developing innovative therapeutic approaches. His research continues to shape our knowledge.

*Département de microbiologie et d'infectiologie*  
*Université de Sherbrooke*

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**Yolande E. Chan** is Dean and James McGill Professor at McGill University. A Rhodes Scholar and distinguished IS scholar, Dr. Chan is a founding researcher on business-IT alignment and recipient of the LEO Award, the highest honour of the Association for Information Systems (AIS). Dr. Chan's more recent research focuses on knowledge strategy, innovation, and digital entrepreneurship. Her widely-cited publications, appearing in all AIS premier journals, have improved firm performance.

***Desautels Faculty of Management***  
***McGill University***

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Academy of Social Sciences





**Daolun Chen** is a world-renowned expert in materials science, whose landmark studies on nano-composite materials created a new method bearing his name. His groundbreaking contributions in deformation, fatigue and welding are highly influential, leading to developments of lighter and more durable materials for safer and more sustainable transportation systems. He is Fellow CAE, EASA, AAAS(US), IMMM(UK), CIM, CSME and CWBA, among many honours/awards, and serves on 28 journal editorial boards.

*Department of Mechanical, Industrial  
and Mechatronics Engineering*

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*Toronto Metropolitan University*

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**William W. L. Cheung** is a world-leading expert on climate change impacts on marine ecosystems and fisheries. His pioneering, interdisciplinary research, spanning ecology, oceanography, economics, and social sciences, has transformed global understanding of ocean sustainability, biodiversity conservation, and food security. Cheung's integrated modelling and scenario approaches have shaped international assessments, informed policy from local to global scales, and advanced adaptation strategies to safeguard marine ecosystems and dependent communities.

***Institute for the Oceans and Fisheries***  
***The University of British Columbia***

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Academy of Science





A member of Kenhtè:ke | Tyendinaga Kanyen'kehá:ka First Nation, **Hannah Claus** (Kanyen'kehá:ka | English) is Associate Professor of Frameworks and Interventions in Indigenous Art Practices, Concordia University Research Chair in Onkwehonwené:ha, and Co-Director of the Indigenous Futures Research Centre (Concordia University). In her artwork, she explores relationality, place and time through Kanyen'kehá:ka worldview. She is a co-founder of daphne, the first Indigenous artist-run centre of Quebec.

*Department of Studio Arts*

*Concordia University*

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Academy of Arts and Humanities





**Daniel Coleman** is internationally renowned for Canadian literary and cultural studies research and teaching on what he calls an “ecology of knowledges”—the ways of knowing that emerge between different cultures in contestation and dialogue. Over the last thirty years, his multiply awarded publications have opened doors for a wide public audience to understand how narratives of race, nationalism, immigration, diaspora, and Indigeneity shape the canons of what we know.

*Department of English and Cultural Studies*

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*McMaster University*

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Academy of Arts and Humanities





**Nathalie Cooke** is an internationally recognized, award-winning scholar of Canadian literature and literary food studies. Her pioneering research has defined the field of Canadian literary food studies, shaping an interdisciplinary approach to culinary history by foregrounding a wide range of texts as sites rewarding close scrutiny. She examines how foodways depicted in literature, lifewriting, and historical menus illuminates cultural identity and social change.

*Department of English*

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*McGill University*

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**Leah Cowen** is Vice-President, Research and Innovation, and Strategic Initiatives at the University of Toronto. She leads the university's research and innovation enterprise, representing the university to key stakeholders in government, industry, and the community. She oversees the development and implementation of policies that improve research and innovation at U of T. Her research examines the biology and evolution of fungal pathogens, which have a staggering impact on human health. Her lab seeks to develop new strategies to thwart drug resistance and treat life-threatening infections.

***Department of Molecular Genetics***

***University of Toronto***

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Academy of Science





**Dorte Dahl-Jensen's** major scientific achievements have been in leading ice core drilling and subsequent analysis of ice core data in conjunction with models to determine past climate and how the climate records can inform on future climate change. As a Canada Excellence Research Chair, she has drilled a Canadian ice core on the Muller ice cap on Axel Heiberg Island in collaboration with ice and climate groups across Canada.

*Department of Environment and Geography*  

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*University of Manitoba*

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Academy of Science





An internationally renowned scholar, **Christian Deblock** is recognized for his work on the political economy of integration and the internationalization of trade, as well as on U.S. trade policy. His research has contributed to the development of economic institutionalism and has fostered a deeper understanding of the interactions between the economy and institutions in the field of international regionalism. At the same time, he has built several research networks, culminating in the creation of the Centre on Integration and Globalization.

*Département de science politique*

*Université du Québec à Montréal*

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**Dennis Denisoff** is the Ida Barnard McFarlin Chair of English and Film at The University of Tulsa. A world-renowned scholar in the environmental humanities, his research illuminates the role of inter-species and queer relations in the literary and historical narratives that gave rise to contemporary ecology and environmentalism. Denisoff's scholarship has particularly transformed our awareness of the profound contributions of culturally erased and objectified individuals and communities to modern ecological thoughts and debates.

*Department of English & Creative Writing*  

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*University of Tulsa*

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Academy of Arts and Humanities





**Vincenzo Di Nicola's** work in Child and Family Psychiatry, first at McGill University, now at l'Université de Montréal, improves treatment gaps among three vulnerable groups – children, families, and ethnocultural communities. His pioneering work in cultural family therapy brought together three disparate fields of child psychiatry, family therapy, and transcultural psychiatry into a transdisciplinary synthesis providing innovative clinical interventions for children's mental health, adapted for immigrant and refugee families with trauma-informed care.

*Département de psychiatrie et d'addictologie*  

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*Université de Montréal*

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Academy of Social Sciences





**Jitse Dijkstra** is an internationally renowned specialist of the transformation from ancient religions to Christianity in Late Antiquity, in particular in Egypt, where he has conducted fieldwork for 25 years. He is known for his innovative theoretical frameworks and rigorous, groundbreaking analyses of a wealth of primary sources, especially in Greek and Coptic. His influential publications, invited lectures, and collaborative leadership place him at the forefront of his field.

*Department of Classics and Religious Studies*  
*University of Ottawa*

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Academy of Arts and Humanities





**Robert Dimand** has transformed how we conceptualize the history of economics. He and his collaborators opened a new research field, challenging the belief that women have contributed little to economics until very recently and exploring how economists have conceptualized gender. He also documented the emergence of macroeconomics as a distinct field of economics, emphasizing the centrality of Irving Fisher and John Maynard Keynes, and examined the history of game theory.

*Department of Economics*

*Brock University*

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Academy of Social Sciences





**Susan Elliott** is a Professor and Research Chair in Health Geography, University Waterloo. An internationally recognized scholar in global environment and health, her work focuses on health inequities in both Canada and the world including the links between water security and gender-based violence and health and wellbeing for underserved populations. Her contributions to research and training have been recognized through awards for research and training and most recently through her election as a Fellow of the African Academy of Sciences.

***Department of Geography and  
Environmental Management***

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***University of Waterloo***

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A Professor at the Université de Montréal, **Marc-André Éthier** is the director of the CRIFPE. His research focuses on the teaching of humanities and social sciences. His projects explore how textbooks, cinema, and video games can be used to develop critical and historical thinking in high school students. He has co-edited several influential works in this field. He is the editor-in-chief of the *Revue des sciences de l'éducation*.

*Département de didactique*

*Université de Montréal*

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Academy of Social Sciences





**Jennifer Evans** is an internationally renowned scholar of contemporary European history. Her award-winning, foundational texts in the history of sexuality, gender, fascism and memory studies have set research agendas across the globe, providing new frameworks for thinking through the relationship of citizens to the state. Evans's pathbreaking research into legacies of hate and the resilience of queer and trans persons extend beyond the university, sparking public debates and cultural interventions in Canada, Germany, and beyond.

*Department of History*

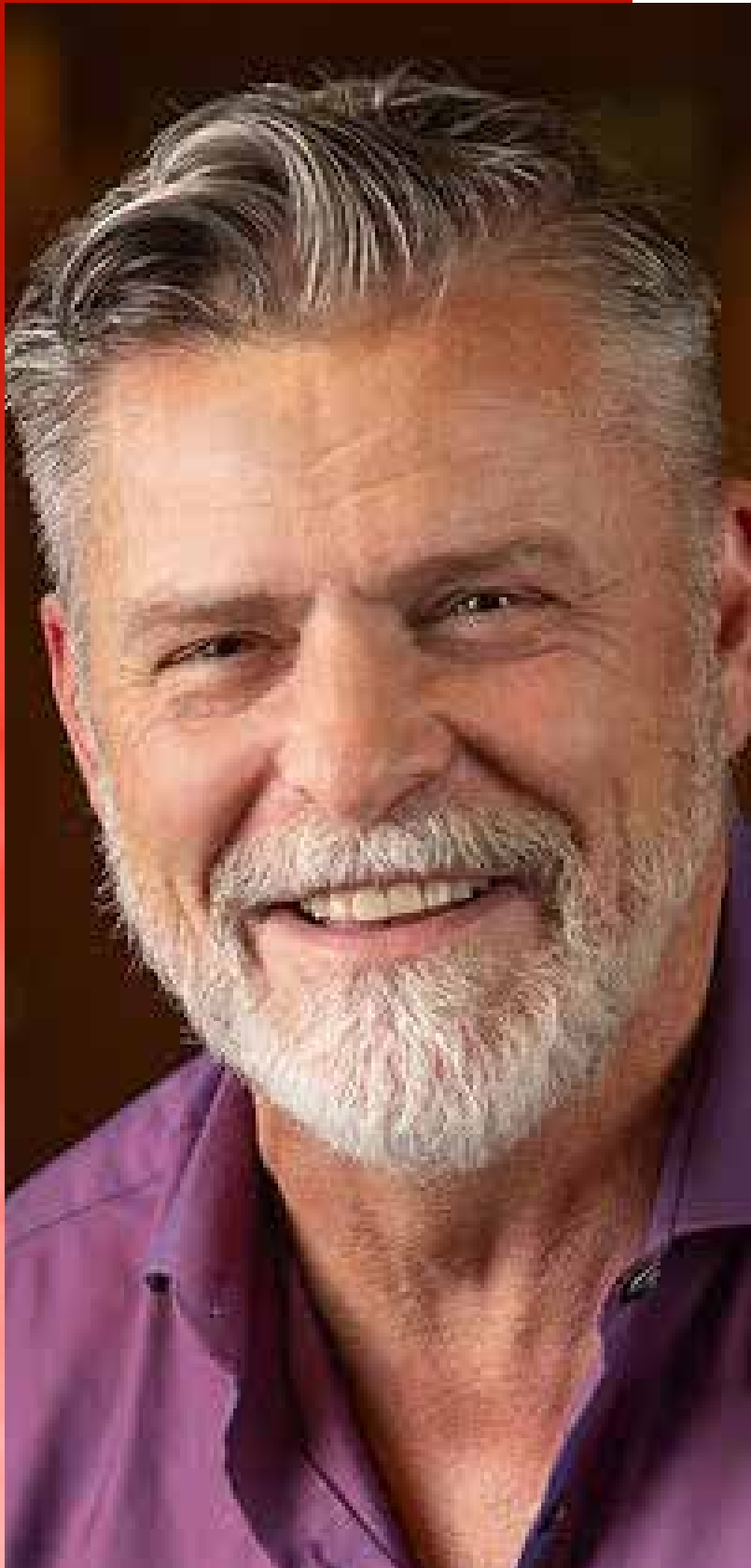
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*Carleton University*

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Academy of Arts and Humanities





**Joel Faflak** is Robert and Ruth Lumsden Professor of English at Western University and Visiting Professor at Victoria College, University of Toronto. He is a leading figure in the study of literature, psychology, and philosophy of the Romantic Century (1750-1850), particularly the emergence of psychiatry and psychoanalysis in the Romantic period. His publications are internationally recognized for their groundbreaking study of literature's profound influence on theories of mind, emotion, evolution, and addiction.

*Department of English and Writing Studies*  

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*Western University*

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Academy of Arts and Humanities





**Barbara Fallon** is a world-class researcher whose significant contributions to the field of child welfare have informed and transformed child welfare practice and policy in Canada and across the globe. For the past twenty-five years, Professor Fallon has led national and provincial child welfare data collection efforts, ensuring policy and practice decisions are rooted in evidence and developed with community partners in service to children.

***Factor-Inwentash Faculty of Social Work***

***University of Toronto***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Amir Fam**, Queen's University, is the world's leading researcher in fiber-reinforced polymer stay-in-place structural forms for concrete structures and bridges. He has had tremendous impact by developing structural forms for rapid construction of durable concrete structures and novel lightweight, energy-efficient wall systems. His technology is implemented in thousands of marine piles applications and dozens of highway bridges including world firsts, enabled by his design guides and numerical models.

***Department of Civil Engineering***  
***Queen's University***

Royal Society of Canada | Class of 2025

Academy of Science





**Evan Fraser** is Director of Arrell Food Institute and Professor of Geography, Environment and Geomatics, University of Guelph. He is globally recognized for his interdisciplinary work on how to equitably and nutritiously feed humanity while protecting the ecosystems on which we depend for life. His groundbreaking research informs government and corporate strategy at the highest levels as he works to transform food systems and foster resilience to climate change.

*Department of Geography, Environment and  
Geomatics and Arrell Food Institute*

*University of Guelph*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Joshua Gans** has pioneered the study of commercialisation strategies for entrepreneurs, examined how incumbents respond to innovation, created regulatory solutions to promote competition in telecommunications and broadband and, most recently, has lead research into the microeconomics of artificial intelligence. With 18 books and over 200 articles, Gans has generated broad scholarship in economics and strategy.

***Rotman School of Management***

***University of Toronto***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Allison Glazebrook** is an internationally recognized socio-cultural historian researching marginalized communities in ancient Greece. At the forefront of the study of ancient sex work, her thought-provoking scholarship has deepened critical understanding of ancient Greek women, gender, sexuality, slavery, and civic space. She resets the questions asked and expands the approaches taken in her field to challenge conventional scholarship and provide new perspectives on subaltern groups.

*Department of Classics and Archaeology*  
*Brock University*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Anthony Glinoyer** is a Full Professor in the Department of Arts, Languages, and Literatures at the *Université de Sherbrooke*. He is an internationally recognized specialist in the sociology of literature, from Romanticism to the contemporary period. His works on *La Naissance de l'éditeur* (2005), *L'Âge des cénacles* (2013), and *La Bohème* (2018) have played a major role in renewing the field of French literary history. He also founded and directed the virtual forum Socius, a unique platform in the French-speaking world for the dissemination of knowledge.

*Département des arts, langues et littératures*

*Université de Sherbrooke*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Pamela Goodwin** is an internationally renowned Medical Oncologist and Clinician Scientist at the Lunenfeld-Tanenbaum Research Institute at Sinai Health, University of Toronto. Her research focuses on the role of host factors, notably obesity, in breast cancer. She has identified important biologic mediators of obesity, including insulin and leptin, and developed and tested interventions targeting these mediators. Her ongoing work evaluates contributions of these factors to late recurrences in breast cancer.

***Lunenfeld-Tanenbaum Research Institute***  
***Sinai Health, University of Toronto***

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Academy of Science





**Daphne Goring's** groundbreaking discoveries on the cellular regulators of reproduction in Brassicaceae flowers has revealed novel players that control early decisions to allow or prevent fertilization; thereby significantly advancing an understanding of the early cellular processes that impact seed production and healthy offspring. Furthermore, her discoveries were amongst the first, impacting broader international plant research fields and garnering honours including the Canadian Society of Plant Biologists Gold Medal.

***Department of Cell & Systems Biology***  
***University of Toronto***

Royal Society of Canada | Class of 2025

Academy of Science





**Thomas Hadjistavropoulos** pioneered the development of innovative behavioural research methods, used worldwide, for evaluating pain in seniors with severe limitations in ability to communicate because of dementia. He also made major theoretical contributions to our understanding of the psychosocial contributors to the pain experience. Complementing this work are many authoritative papers on health care ethics. He has published over 260 articles/chapters, 7 books, and received numerous awards and honours.

*Department of Psychology and  
Centre on Aging and Health*

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*University of Regina*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Cynthia Hawkins** is a world-renowned physician-scientist and paediatric brain tumour expert whose groundbreaking translational research is modernizing the international landscape of paediatric precision medicine. It is through her work in uncovering the molecular pathogenesis of glioma and diffuse intrinsic pontine glioma that has enabled her to spearhead the development and clinical implementation of novel diagnostic, prognostic and therapeutic markers, leading to the establishment of a paediatric diagnostic reference lab.

*Cell Biology Program* *Department of Laboratory*  
*The Hospital for Sick* *Medicine and Pathobiology*  
*Children Research Institute* *University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





**Robert Hegele** is internationally recognized for groundbreaking research in cardiovascular genetics and lipid disorders. He has discovered and characterized genetic causes of rare and common dyslipidemias, pioneered DNA diagnostics for familial lipid disorders, and implemented innovative therapies. His translational work and mentorship have advanced precision medicine, improved patient care globally, and profoundly shaped the fields of medical genetics and preventive cardiovascular medicine.

*Schulich School of Medicine and Dentistry*  

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*Western University*

Royal Society of Canada | Class of 2025

Academy of Science





**Biao Huang's** seminal contributions to both theory and techniques were instrumental in establishing the research field in control performance assessment. His work has transformed theoretical research across Bayesian inferencing, soft sensing and data-driven control into real-world applications to address crucial industrial problems. Dr. Huang's solutions have enabled crucial industrial processes for improved safety and efficiency, with better product quality and enhanced environmental performance, for significant benefit to process control worldwide.

***Department of Chemical and Materials Engineering***  
***University of Alberta***

Royal Society of Canada | Class of 2025

Academy of Science





**Cally Jordan** is a leading authority on financial systems and their regulation. Applying comparative methodology to complex financial regulation, Professor Jordan pioneered new fields of inquiry. She identified interdependent domestic systems which formed yet another, supra-national, financial system which drew on ancient legal principles. *International Capital Markets: Law and Institutions*, 2nd ed (OUP, 2021) is unique in the field. She is an elected member of the American Law Institute and a frequent international academic visitor, most recently at Yale Law School.

***Melbourne Law School***

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***The University of Melbourne***

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Academy of Social Sciences





**Ilan Kapoor** is an internationally recognized critical thinker in global politics and development studies. His research has inaugurated two subfields: (1) Postcolonial Development, which focuses on the continuing legacies of colonialism in the Global South and North through the mechanisms of international development; and (2) Psychoanalytic Development Studies, which examines the role of unconscious desire under global capitalism.

***Faculty of Environmental & Urban Change***  
***York University***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**S. Karly Kehoe's** groundbreaking research focuses on the displacement and migration of religious minorities from the Scottish Highlands and Ireland, and their settlement in Atlantic Canada. By examining these communities' roles in the process of colonization, she illuminates the broader consequences of socio-economic and religious exclusion. Her influential scholarship and exceptional public outreach informs global migration and integration strategies, including world-leading initiatives to support displaced academic researchers.

*Department of History*

*Saint Mary's University*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Jeremy Kerr** is a pioneer in global biodiversity research whose groundbreaking work elucidates how climate change influences species distributions. His career is distinguished by continuous, exceptional scientific achievement and policy leadership in science, EDI, and environmental conservation. His landmark contributions include discovery of how extreme weather changes species' extinction risks, why and when climate change alters pollinator species abundance, and pioneering uses for remote sensing in ecology and conservation.

*Department of Biology*

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*University of Ottawa*

Royal Society of Canada | Class of 2025

Academy of Science





**Shaf Keshavjee** received his MD degree from the University of Toronto medical school followed by training in general surgery, cardiac surgery and thoracic surgery at the University of Toronto in Canada. Currently Chief of Innovation at University Health Network (UHN). He is also Director of the Latner Thoracic Research Laboratories and Professor of Thoracic Surgery and Biomedical Engineering, and Vice Chair for Innovation in the Department of Surgery at the University of Toronto.

***Sprott Department of Surgery***

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***University Health Network***

Royal Society of Canada | Class of 2025

Academy of Science





**Jonathan Kimmelman** is one of the world's foremost authorities on the ethics of drug development. He has pioneered the ethical analysis of first-in-human drug trials, the reproducibility crisis in biomedicine, and the nexus between human protections and medical epistemology. Kimmelman led the writing of influential ethical guidelines on stem cell research, and his activities have informed numerous international policies, including those involving clinical trials, pandemic planning, and space exploration.

*Department of Equity, Ethics, and Policy*  

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*McGill University*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Leon Kochian's** pioneering research launched international advances in acid-soil crop adaptation, as acid soils greatly limit agriculture in developing countries. He also demonstrated how larger root systems enhance crop yields, by improving fertilizer/water acquisition, and discovered genes that enhance plant nutrient health and limit heavy metal entry into the food chain. Kochian is the Canada Excellence Research Chair in Food Security and one of the most highly cited plant scientists worldwide.

*Department of Plant Sciences*

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*University of Saskatchewan*

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Academy of Science





**Henry Leung** is a Professor and Industry Research Chair in the Department of Electrical and Software Engineering at the University of Calgary. He has made fundamental contributions to signal processing, machine learning and internet of things. He has been developing innovative information fusion techniques towards integrated decision-support systems and transferred these technologies to a variety of defense and industrial applications in smart city and remote sensing.

***Department of Electrical and Software Engineering***  

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***University of Calgary***

Royal Society of Canada | Class of 2025

Academy of Science





**Brian Levine** is a clinician-scientist whose research has transformed the understanding of memory, thinking, and behaviour in the real world. In addition to advancing research on topics that were previously considered intractable, Dr. Levine has innovated practical solutions for people affected by cognitive impairment. His research has legitimized everyday memory and behaviour as a topic of scientific study and improved the lives of people who have experienced challenges in memory, thinking, and behaviour.

***Rotman Research Institute***

***Baycrest Academy for Research and Education***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Joel D. Levine** is a Professor in the Department of Ecology and Evolutionary Biology at the University of Toronto. His groundbreaking research on the neurogenetics of social groups led to discoveries about how *Drosophila* communicate, recognize one another, are influenced by their social environment, and form social networks. His studies, distinguished by their originality and creativity, shape our understanding of social dynamics in all organisms, including humans.

*Department of Ecology and Evolutionary Biology*  

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*University of Toronto*

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Academy of Science





**Jiangchuan Liu** is a globally recognized researcher and technological innovator in multimedia computing and networking. His pioneering work in large-scale live streaming, social media, and cloud/edge computing has had a profound impact on both academic research and industrial development worldwide. His interdisciplinary efforts in automated wildlife monitoring have significantly advanced the conservation and restoration of wild salmon in Indigenous rivers throughout the Pacific Northwest.

*School of Computing Science*

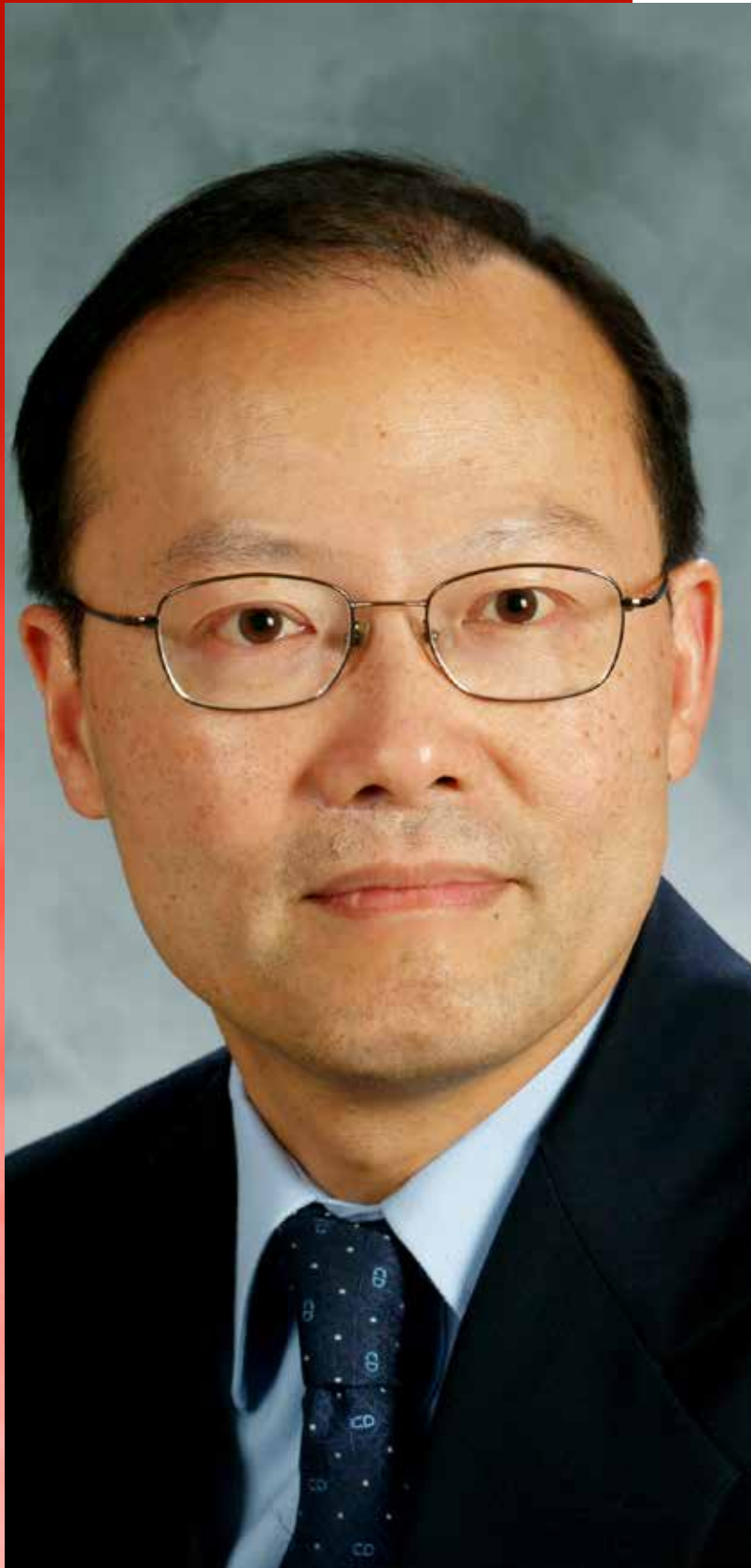
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*Simon Fraser University*

Royal Society of Canada | Class of 2025

Academy of Science





**Peter Liu**, Professor at University of Ottawa Heart Institute, transformed the understanding and care of heart and brain diseases. He identified a new form of heart failure now affecting 1-in-9 Canadians, spurring global recognition and novel therapies. His pioneering work on viral myocarditis laid critical lifesaving foundations during the COVID-19 pandemic. His leadership in brain-heart research is opening new frontiers to tackle one of today's most urgent health challenges.

*Department of Medicine*

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*University of Ottawa*

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**Michael Lounsbury's** scholarship has pioneered the development of cultural entrepreneurship and institutional logics theories, taking a critical sociological approach to how economic action such as entrepreneurship is profoundly embedded and shaped by wider socio-cultural dynamics. In doing so, he has focused a great deal on how novel practices become legitimated and how more marginalized and equity deserving groups are able to gain a more secure social footing and enhance their resilience.

*Alberta School of Business*

*University of Alberta*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





Internationally renowned for her work on the transcultural use and postcolonial reception of Shakespeare, Distinguished University Professor **Irene (Irena) Makaryk's** groundbreaking scholarship opened up a new field of study: Shakespeare in Ukraine. Her rigorous analyses, based on meticulous archival research, illuminate the unique contributions of Ukrainians to the world's cultural heritage. Challenging preconceived notions and redefining key concepts, her influential publications and editorial achievements place her at the forefront of her field.

*Department of English*

*University of Ottawa*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**H. Damon Matthews** is a professor at Concordia University in climate science. His research expertise includes remaining carbon budgets, net-zero targets, and nature-based climate mitigation strategies. He is a Member of Canada's Net-Zero Advisory Body, and the Director of Future Earth Canada. He also co-founded the Climate Clock, a public engagement project to motivate and accelerate climate action. Dr. Matthews holds a PhD (2004) from the University of Victoria.

*Department of Geography, Planning and Environment*  

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*Concordia University*

Royal Society of Canada | Class of 2025

Academy of Science





Driven to enhance the user experience of everyday interactive technologies for a wide array of people, **Joanna McGrenere's** pioneering contributions in human-computer interaction encompass multi-modal systems for individuals with aphasia and learning support tools for older adults, both of which enable greater independence, and highly personalized user interfaces that are transforming how people experience feature-rich software and personal data management. She is an inspiring leader and an exceptional mentor.

*Department of Computer Science*  

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*The University of British Columbia*

Royal Society of Canada | Class of 2025

Academy of Science





**John McPhee** is a global leader in system dynamics. He pioneered the development of graph theory for systems modelling, creating groundbreaking methods for dynamic simulation, control, and optimal design of multi-domain physical systems, commercialized and used by thousands worldwide to re-imagine stroke rehabilitation robots, exoskeletons, human movement, and hybrid vehicles. Broadly, his discoveries have uncovered critical insights and profoundly influenced modern design of next-generation bio-mechatronic, surgical, sporting, and automotive systems.

***Systems Design Engineering***

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***University of Waterloo***

Royal Society of Canada | Class of 2025

Academy of Science





**John Meyer** is an internationally recognized leader in organizational psychology, organizational behaviour, and management. Renowned for his groundbreaking theoretical and methodological contributions, his name has become synonymous with research on workplace commitments. His work has reshaped our understanding of commitment as a core psychological construct, and has been applied internationally in public and private sector organizations to retain top talent and create a workplace culture where personnel can thrive.

***Department of Psychology***

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***Western University***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Douglas Moggach** is Distinguished University Professor, University of Ottawa; Honorary Professor of Philosophy, University of Sydney; and Honorary Fellow, St. Catharine's College Cambridge. His innovative interdisciplinary analyses and archival investigations, published in nine languages, have transformed understandings of German philosophical development since the Enlightenment, especially of Hegel and nineteenth century political thought, identifying previously unexplored traditions and offering new systematic accounts of modern ideas of freedom and the state.

*School of Political Studies and  
Department of Philosophy*

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*University of Ottawa*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**David J. Moss** has made seminal contributions to CMOS compatible photonic chips for integrated nonlinear optics. He reported the first integrated optical frequency microcombs, and has pioneered their applications to microwave photonics, optical neuromorphic processing, optical communications, and integrated quantum optical sources, achieving world record speed optical neural networks and fibre optic data transmission. He has made key contributions to nonlinear optics, optoelectronic devices, and commercial products for fibre optic communications.

***Optical Sciences Centre***

***Swinburne University of Technology***

Royal Society of Canada | Class of 2025

Academy of Science





**Krista R. Muis**, James McGill Professor at McGill University and director of the eMUIS Lab, leads groundbreaking research on emotions, epistemic cognition, and self-regulated learning. A Fellow of the American Psychological Association and Editor of *Educational Psychologist*, she investigates how students navigate complex topics in mathematics and science. Her work drives cutting-edge interventions to enhance learning in mathematics, science, and socio-scientific contexts across all age groups, bridging lab-based and classroom-based research.

*Department of Educational and Counselling Psychology*  

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*McGill University*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Benoit Mulsant** is a Professor and holds the Labatt Family Chair in Biology of Depression in Late Life, Department of Psychiatry, University of Toronto; a Senior Scientist at CAMH, Toronto; and the Interim Chief of Staff of the Royal Ottawa Hospital. His research and mentorship focus on late-life mood disorders. He completed his MD at Laval University, his residency at the University of Pittsburgh, and his MS at Carnegie-Mellon University.

*Department of Psychiatry*

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*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





**Tamara Munzner** is a leader in the development, evaluation, and characterization of visualization systems and techniques. She has contributed problem-driven visualization solutions to many application domains ranging from genomics to journalism. Her technique-driven visualization interests include graph drawing and dimensionality reduction. Her widely used book *Visualization Analysis and Design* provides a systematic, comprehensive framework for thinking about visualization in terms of principles and design choices.

*Department of Computer Science*  
*The University of British Columbia*

Royal Society of Canada | Class of 2025

Academy of Science





**Jacqueline Murray's** intellectual creativity and impeccable scholarship have transformed the landscape of premodern European history. Her groundbreaking research in premodern sex, sexualities, genders and bodies has introduced innovative approaches to the study of medieval women and men and established the new research field of premodern men and masculinities. As a public humanist, she bridges her historical scholarship to explicate the premodern foundations of contemporary social issues and institutions.

*Department of History*

*University of Guelph*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Muralee Murugesu**, is a pioneering figure in the ever-growing field of molecular nano-materials. His work promises to revolutionize high-speed computing and high-density data storage. His internationally-acclaimed, innovative research has paved the way to some of the highest performing nanomagnets to date and has furthered our understanding of the inherent magnetic properties of rare earth elements. His outstanding fundamental contributions have earned him numerous awards and recognitions.

*Department of Chemistry and Biomolecular Science*  

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*University of Ottawa*

Royal Society of Canada | Class of 2025

Academy of Science





**Christopher Mushquash** is a leader in advancing Indigenous mental health and addiction research, clinical care, and training. His work integrates traditional knowledge and scientific approaches to ensure cultural- and contextual-appropriateness. Recognized for shaping mental health policy and practice, his work has improved systems of care across Canada. Dedicated to training the next generation, he supports Indigenous and non-Indigenous students, clinicians, and researchers to improve the lives of Indigenous peoples.

*Department of Psychology*

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*Lakehead University*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Adrian Nachman** is internationally celebrated for his breakthroughs on fundamental inverse problems arising in medical imaging and in physics. The original methods he introduced have shaped the development of the field. His scholarly work includes techniques from nonlinear harmonic analysis, partial differential equations, geometric measure theory, Riemannian geometry and optimal transport, as well as collaborations with bioengineers on the application of his novel ideas to future generations medical diagnostics technologies.

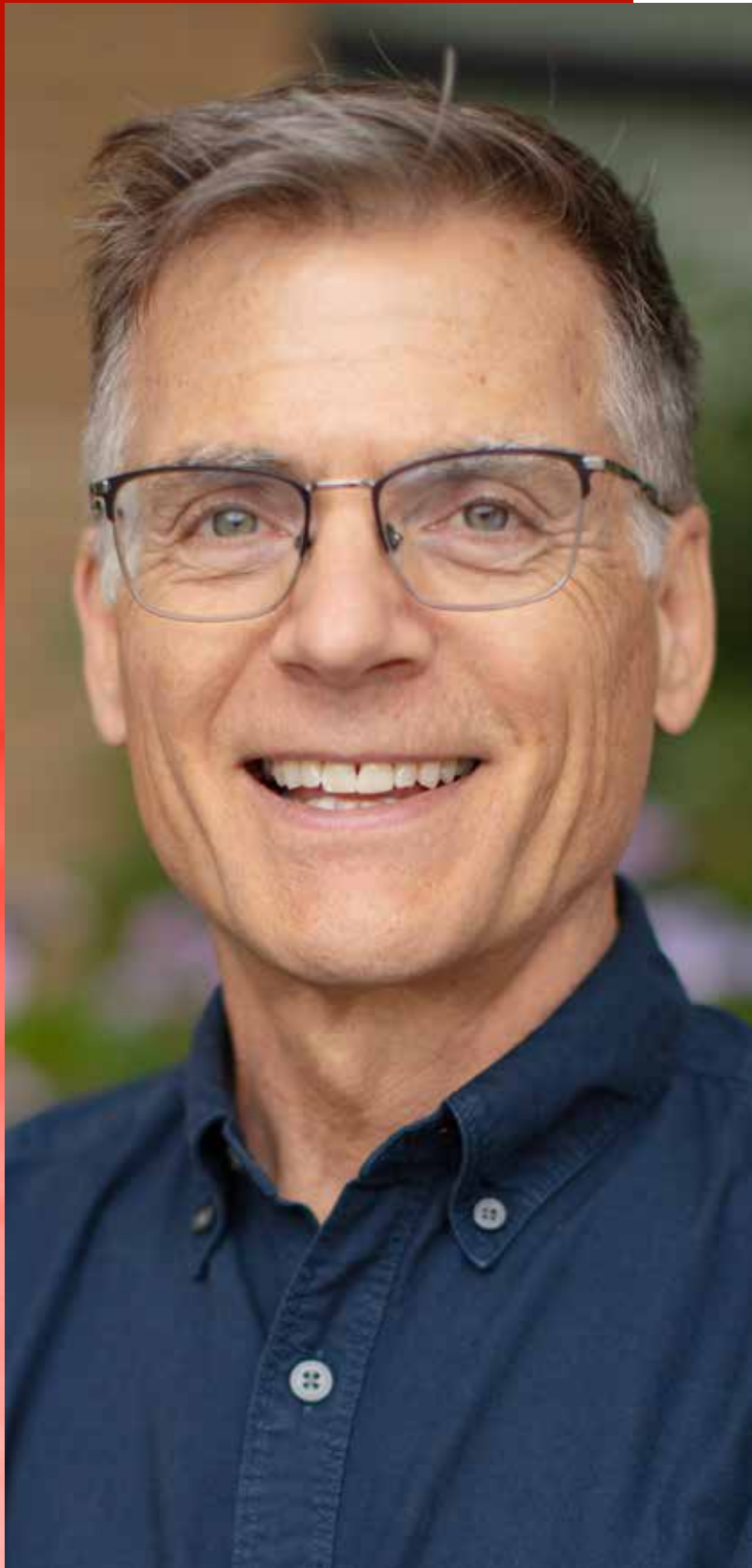
*Department of Mathematics and the Edward S. Rogers  
Sr. Department of Electrical & Computer Engineering*

*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





**Brad Nelson's** research focuses on deciphering and engineering the immune response to cancer, with an emphasis on gynecological and lymphoid cancers. He has used advanced genomic and imaging tools to understand how lymphocytes collaborate to recognize and attack human tumours. In parallel, he has co-led innovative clinical trials of genetically engineered cell therapies that seek to transform patient outcomes while ensuring accessibility and affordability within Canada's public healthcare system.

*Deeley Research Centre, BC Cancer Research Institute*  

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*University of Victoria*

Royal Society of Canada | Class of 2025

Academy of Science





**Dwight Newman**, KC is one of Canada's leading legal scholars. He is a Professor of Law and Tier I Canada Research Chair in Rights, Communities, and Constitutional Law at the University of Saskatchewan. Newman's influential work has had major impacts on constitutional law, Indigenous rights law, and legal and political theory on rights and he has received several academic and public awards including the Queen Elizabeth II Platinum Jubilee Medal.

*College of Law*

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*University of Saskatchewan*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





A renowned lawyer and expert in civil law and legal history, **Sylvio Normand** is co-holder of the Louis-Philippe Pigeon Chair in Legal Writing. His main areas of research are the history of legal thought and culture, the process of law codification, legal literature and publishing, and property law. His extensive expertise, recognized well beyond Canada's borders, has shaped the work of several generations of legal experts.

*Faculté de droit*

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*Université Laval*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Beth Parker**, an award-winning international leader in hydrogeology, has revolutionized groundwater science. Her original discoveries on the behaviour of contaminants in complex fractured bedrock aquifers reshaped the field. Transforming contaminated industrial sites and municipal well systems into real world research laboratories, she has innovated monitoring technologies and remediation techniques that are now used globally by governments, scientists, and engineers to protect the planet's vital groundwater resources addressing freshwater sustainability.

***Department of Water Resources Engineering***  
***University of Guelph***

Royal Society of Canada | Class of 2025

Academy of Science





**Will Percival** is an internationally renowned astrophysicist who has developed innovative techniques and applied them to galaxy surveys, forming a cornerstone of modern observational cosmology. By undertaking large-scale measurements of cosmic structure, he has helped to define the standard cosmological model. Professor Percival now plays a leading role in several experiments that have been designed to understand why this model includes late-time cosmic acceleration.

***Department of Physics and Astronomy***  
***University of Waterloo***

Royal Society of Canada | Class of 2025

Academy of Science





**Stuart Phillips** is a Tier I Canada Research Chair in Skeletal Muscle Health, a Distinguished University Professor and a highly regarded human physiologist. Globally recognized for his pioneering work on nutrition and physical activity's role in preserving skeletal muscle health, he is among the most cited researchers worldwide. His award-winning, multidisciplinary research has significantly advanced exercise physiology and developed evidence-based strategies enhancing dietary health and mobility for aging Canadians.

*Department of Kinesiology*

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*McMaster University*

Royal Society of Canada | Class of 2025

Academy of Science





**Philippe Pibarot**, an internationally renowned scientist in cardiovascular medicine, is recognized for his outstanding and award-winning contributions to cardiovascular imaging and structural cardiology. His research program aims to develop new patient-focused approaches to improve the diagnosis, prevention, and treatment of heart valve disease. The new technologies and strategies he has developed have revolutionized the treatment of valvular diseases worldwide.

*Département de médecine*

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*Université Laval*

Royal Society of Canada | Class of 2025

Academy of Science





**Bruce Pike** is a world leader in structural and functional imaging of the human brain. He has pioneered novel magnetic resonance imaging methods to quantify brain morphology, characterize tissue microstructure, and measure hemodynamics and energetics. These innovations have enabled him to make landmark discoveries about the human brain's composition, organization, and physiology across the lifespan in health and in diseases such as multiple sclerosis.

*Department of Radiology*

*University of Calgary*

Royal Society of Canada | Class of 2025

Academy of Science





**Yves Prairie**, a leader in the investigation of the role of continental aquatic ecosystems in the global carbon cycle, has focused his research on the interactions between the biological, biogeochemical, and physical processes that give rise to greenhouse gas emissions. UNESCO Chair in Global Environmental Change (2010-2025), his work covers natural ecosystems such as lakes and reservoirs and helps quantify the scale of these sources at local, regional and global levels, providing society with a better understanding of these issues.

*Département des sciences biologiques*  

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*Université du Québec à Montréal*

Royal Society of Canada | Class of 2025

Academy of Science





**Parminder Raina** is an internationally recognized epidemiologist and scholar whose work over the past two decades has advanced the fields of longitudinal research design, evidence synthesis, and aging research. His pioneering contributions have helped bridge the biological dimensions of aging with the social determinants of health, offering deeper insights into the trajectories of aging. In 2022, he was appointed a Member of the Order of Canada in recognition of his significant impact on aging research.

*Department of Health Research  
Methods, Evidence, and Impact*

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*McMaster University*

Royal Society of Canada | Class of 2025

Academy of Science





**J.N. Reddy** is one of the most well-known mechanics researchers and educators of our times, as attested by the highest honours received from various professional societies and membership in eight other academies. His seminal work in shear deformation plate and shell theories and nonlocal approach for fracture have resulted in both scientific advancement as well as technological utility. He has a long history of collaboration with Canadian academic colleagues.

*Department of Mechanical Engineering*  
*Texas A&M University*

Royal Society of Canada | Class of 2025

Academy of Science





**Carmen Robertson** holds the Canada Research Chair in North American Indigenous Visual and Material Culture and is considered the foremost expert on Anishinaabe artist Norval Morrisseau. Her de-colonial approaches challenge the conventional bounds of art history and foreground the rich artistic practices of Indigenous peoples. Prioritizing the process of art making alongside the resulting artistic object, Robertson's award-winning scholarship and curatorial practices have made Indigenous art more accessible to broad audiences.

*Department of Indigenous Studies; Department of Art and Architectural History; Institute for Comparative Studies in Literature, Arts, and Culture*

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*Carleton University*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**John Russon** is at the forefront of the philosophical study of human nature. His highly original works, employing the phenomenological method, develop a new understanding of psychological well-being, aging, human rights, economics, religion, and art. He has also initiated prominent schools of interpretation of ancient Greek philosophy, Hegel's philosophy, and Existentialism. Across all his works and in his public outreach, Russon demonstrates the relevance of philosophy to everyday life.

*Department of Philosophy*

*University of Guelph*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Julie Aitken Schermer** (formerly Harris) is an internationally recognized scholar in the psychological field of human individual differences. Her scholarship is focused on personality, loneliness, humour, intelligence, and vocational interests. She has demonstrated that loneliness has a genetic component, that there are environmental predictors of loneliness, including where people live and their activities, and that loneliness is strongly linked with personality and how people use humour. She has created a vocational interest scale for use in research and has demonstrated that many career interests have a genetic component and are associated with personality traits.

*Departments of Psychology and  
Management and Organizational Studies*

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*Western University*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Yang Shi** is a world-renowned scholar, widely recognized for his seminal contributions to networked and distributed control, model predictive control, and cyber-physical systems. His pioneering work has enabled technologies for aerial and marine vehicles, mechatronics and robotics, and industrial automation. He is a Fellow of CAE, EIC, IEEE, ASME, CSME. He served the IEEE Industrial Electronics Society as Vice-President. He is IFAC Council Member and Editor-in-Chief of IEEE Transactions on Industrial Electronics.

*Department of Mechanical Engineering*  
*University of Victoria*

Royal Society of Canada | Class of 2025

Academy of Science





**Myrna Simpson's** innovative approaches to unravelling complex environmental processes have reshaped our understanding of anthropogenic impacts to aquatic and terrestrial ecosystems. She developed the unique approach of integrating mass spectrometry and nuclear magnetic resonance techniques to provide unparalleled insight into molecular mechanisms related to global carbon cycling, pollutant binding, and sub-lethal pollutant toxicity to water- and soil-dwelling organisms—with significant implications for how we understand our changing environment today.

*Department of Chemistry and Department  
of Physical and Environmental Sciences*

*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





**Kiran Soma**, a Fellow of the American Association for the Advancement of Science and a world-renowned expert on how hormones affect the brain and immune system, has made transformative contributions to psychology, neuroscience, and endocrinology. He publishes in the most prestigious scientific journals and is one of Canada's most highly cited behavioural neuroscientists.

*Department of Psychology*  

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*The University of British Columbia*

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Gordon Southam** applies fundamental geomicrobiology to improve our understanding of earth system processes to benefit society and industry. He uses advanced imaging and molecular techniques to characterize naturally occurring microbial processes in rock to develop sustainable mining practices. Partnering with the resource industry, Southam's biotechnological innovations, such as carbon capture from mine waste, are moving the industry towards the aspiration of creating a carbon neutral mine.

*School of the Environment & the  
Sustainable Minerals Institute*

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*The University of Queensland*

Royal Society of Canada | Class of 2025

Academy of Science





**Frank Stahnisch** holds the AMF /Hannah Professorship in the History of Medicine and Health Care at the University of Calgary. His groundbreaking scholarship in the history of medicine has been fundamental to scientific as well as popular understandings of the origins of modern neuroscience and the relationship with public mental health. His transnational, interdisciplinary approaches to investigations of neuroscience have significantly expanded global medical history in this complex domain.

*Department of History and Department  
of Community Health Sciences*

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*University of Calgary*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Ingrid Stairs** is a leading expert in radio observations of pulsars, using these fast-spinning compact stars to study matter at high densities and to test Einstein's theory of General Relativity. She is a founding member of the NANOGrav collaboration, which in 2023 announced evidence for a stochastic low-frequency gravitational-wave background. She is also part of the team using the Canadian CHIME telescope to discover Fast Radio Bursts and new pulsars.

*Department of Physics and Astronomy*  
*The University of British Columbia*

Royal Society of Canada | Class of 2025

Academy of Science





**Margaret-Anne Storey**, Professor at the University of Victoria and Canada Research Chair, is an international leader in human-centred software engineering research. Her groundbreaking work has advanced academic theories, embodied in practical, scalable tools for real-world software engineering. To promote diversity, she was awarded Guest Professorships at Lund University in 2016 and the University of Zurich in 2023. In 2024, she received an Honorary Doctorate from Lund University, Sweden.

***Department of Computer Science***  
***University of Victoria***

Royal Society of Canada | Class of 2025

Academy of Science





**Juan Luis Suárez** is a philosopher, creator, and public intellectual whose work on digital culture and society has reached broad audiences across several continents. An expert in humanism, the baroque and digital humanities, his research practice combines multiple skill sets to contribute to redefining humanistic methods and tools in the digital age, while keeping the focus on the key questions of the humanistic tradition about the meaning of human life.

***CulturePlex Lab***

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***Western University***

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Christine Tappolet** is internationally recognized for her contributions to moral ethics and psychology, a field at the intersection of moral philosophy and psychology, as well as to the philosophy of emotions. She has distinguished herself in particular by rigorously and innovatively developing a concept of emotions that has as its starting point the many analogies between emotions and sensory perceptions, and based on which emotions support out awareness of values.

*Département de philosophie*

*Université de Montréal*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





**Jacob Tsimerman** works in the field of arithmetic and complex geometry. He graduated from Princeton in 2011 under Peter Sarnak, and is currently the Ted Mossman chair at the University of Toronto. His major works include the resolution of the AndreOort and Griffiths conjectures.

*Department of Mathematics*

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*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





Award-winning author and highly esteemed advocate for democracy in education, **Joel Westheimer's** contributions have transformed scholarship in education, political science and social justice and touched millions of people worldwide. His critically acclaimed framework has influenced school boards and non-governmental organizations across Canada and internationally. In a world where democracy is proving to be fragile, his work influences future generations to be actively engaged in preserving and strengthening democratic institutions worldwide.

***Faculty of Education***

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***University of Ottawa***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





Trained as a health geographer, **Allison Williams** is a recipient of three CIHR Research Chairs. As a Tier I CRC in the Care Economy, Aging & Policy, she builds evidence for the importance of supporting carer-workers via carer-friendly workplace policies. She co-edits a Routledge book series (20+ titles) and continues to contribute to the development of therapeutic landscape theory, a key conceptual innovation in environment and health inquiry.

***School of Earth, Environment & Society***  
***McMaster University***

Royal Society of Canada | Class of 2025

Academy of Social Sciences





**Victoria Wohl**, Distinguished Professor of Classics at University of Toronto, is an internationally recognized scholar of classical Greek literature and culture. Her pioneering work on Greek drama, historiography, and law bridges disciplinary divides to illuminate the psychic life and political culture of democratic Athens. Combining rigorous literary analysis with theoretical sophistication, her innovative scholarship expands the boundaries of ancient Greek literature and sustains a conversation between ancient and modern thought.

*Department of Classics*

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*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Arts and Humanities





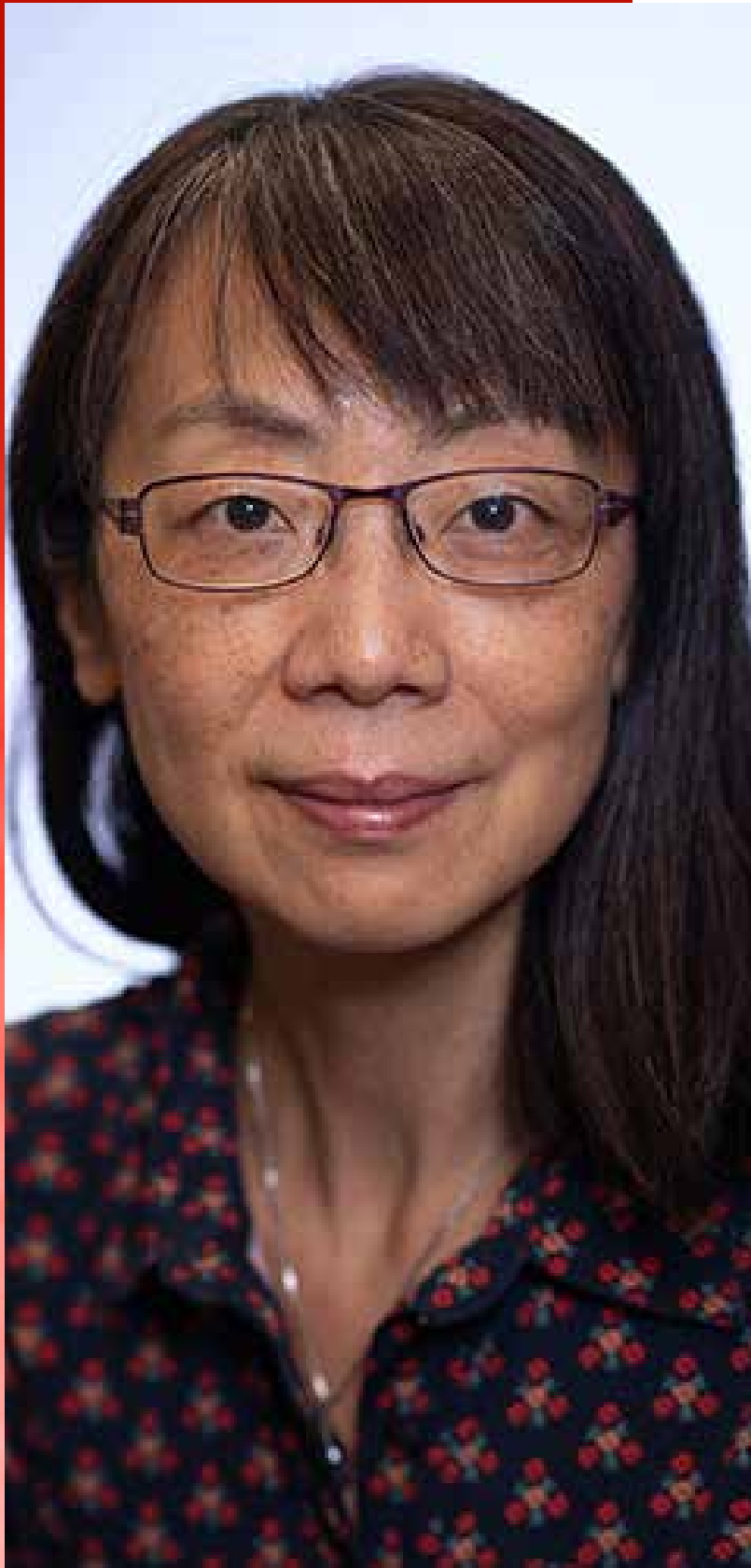
**Fei Richard Yu's** groundbreaking work on intelligent mobile systems has fundamentally transformed the way these systems function in today's interconnected and intelligent world. His pioneering research has not only shaped industrial standards but has also been implemented in millions of devices worldwide. A highly cited scholar with over 50,000 citations, Dr. Yu's exceptional contributions have earned him numerous prestigious awards and fellowships from leading international academies.

***School of Information Technology***  
***Carleton University***

Royal Society of Canada | Class of 2025

Academy of Science





**Mei Zhen** is internationally renowned for her outstanding impact in understanding the circuitry and development of the nervous systems. Using a combination of interdisciplinary approaches including development of calcium imaging combined with precision animal tracking, high resolution electron microscopy and powerful genetics, Dr. Zhen has revealed the remarkable development of a complete nervous system that continuously incorporates new nerve cells while maintaining sensory functions.

*Department of Molecular Genetics and  
Lunenfeld-Tanenbaum Research Institute*

*University of Toronto*

Royal Society of Canada | Class of 2025

Academy of Science





**Ying Zheng** is a globally renowned chemical engineer at Western University, distinguished as an exceptional mentor and innovator. Her groundbreaking research seamlessly bridges catalysis, chemical reactions, and process design. Zheng's innovations, applied in carbon neutralization, fuel upgrading, and waste valorization, hold profound environmental, economic, and societal value, delivering significant impact for Canada and the broader global community.

*Department of Chemical and Biochemical Engineering*  

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*Western University*

Royal Society of Canada | Class of 2025

Academy of Science





**Norman Zhou** is internationally renowned as a leading authority in materials science and engineering, especially for his pioneering contributions to advanced materials joining and processing. His research has significantly shaped industry standards, policies, and best practices, with lasting impacts on human health, product quality, manufacturing efficiency, and environmental sustainability. Dr. Zhou has also co-founded successful university spin-offs, including Smarter Alloys and AquaSensing, bringing cutting-edge research into impactful, real-world applications.

***Department of Mechanical and Mechatronics Engineering***  
***University of Waterloo***

Royal Society of Canada | Class of 2025

Academy of Science





**Olufemi Ayeni**, Canada Research Chair in Joint Preservation Surgery, is an orthopaedic surgeon internationally renowned for advancing joint preservation care across the human lifespan. His research has resulted in the protection and prevention of joint injuries in adolescence, minimally invasive treatments that curb degenerative joint disease development in young adults, and novel treatments that delay or avoid the onset of osteoarthritis – the most prevalent cause of disability in older adults.

*Department of Surgery, Division of  
Orthopaedic Surgery*

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*McMaster University*

Royal Society of Canada | Class of 2025

RSC College





**Myrle Ballard** is an Anishinaabe Scientist from Lake St. Martin First Nation and a Canada Research Chair in Weaving Indigenous Science and Sustainability Science and Associate Professor at the University of Calgary. She was the founder and first Director of the Indigenous Science Division of Environment and Climate Change Canada. Dr. Ballard coined Three-Eyed Seeing, an important tool in management and decision making. Dr. Ballard's research uses Indigenous language as a tool to understand local ecosystems and monitor them through environmental changes, ensuring that Indigenous Science informs solutions to climate change.

***Department of Earth, Energy and Environment***  

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***University of Calgary***

Royal Society of Canada | Class of 2025

RSC College





**Isabelle Boucoiran**, obstetrician-gynecologist and clinician-researcher at CHU Sainte-Justine, specializes in infectious diseases during pregnancy. Her research has shown that reinfection with cytomegalovirus is as frequent as primary infection and poses a risk of mother-to-child transmission, underscoring the importance of prenatal screening to prevent infection in infants. Her work has influenced national and international clinical recommendations and contributed to major studies and structuring initiatives, confirming Dr. Boucoiran's status as a leader in the field of feto-maternal infectious diseases.

*Département d'obstétrique-gynécologie et  
Département de médecine sociale et préventive*

*Université de Montréal*

Royal Society of Canada | Class of 2025

RSC College





**Delphine Bouilly** holds the Canada Research Chair in bionanoelectronics and is internationally recognized for her expertise on the interactions between molecules and nanomaterials in miniaturized electrical circuits. Principal investigator at the Institute for Research in Immunology and Cancer (IRIC), she leads an interdisciplinary laboratory focused on nanoelectronic sensors, to study biological molecules in unexplored spatial and temporal ranges and to develop biomedical sensor technologies.

*Département de physique*

*Université de Montréal*

Royal Society of Canada | Class of 2025

RSC College





**Chad Bousman** is an internationally recognized leader in research and implementation of pharmacogenetics to improve youth mental health. He has over 200 publications (h-index: 50, i10-index of 158), many of which have influenced healthcare policy, driven educational initiatives, and supported international treatment guidelines. His research aims to understand how genes affect a person's response to various medications and develop tools to personalize medication use in youth mental health care.

*Department of Medical Genetics*

*University of Calgary*

Royal Society of Canada | Class of 2025

RSC College





**Dillon Browne** is a Canada Research Chair in Child and Family Clinical Psychology and founder of the *FamilyPsyche*® laboratory at the University of Waterloo. He has published over 100 peer-reviewed studies examining how social determinants of health shape family dynamics and well-being. Additionally, as a clinician-scientist, he supports health and social service organizations design family-centered interventions and systems of care, especially for underserved groups.

*Department of Psychology*

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*University of Waterloo*

Royal Society of Canada | Class of 2025

RSC College





**Lindsay Cahill's** research has led to novel insights into the impact of environmental pollutants on pregnancy and young children. Her innovative use of biomedical imaging to study placental and fetal metabolism and brain development is highly collaborative and has revealed key facets of disease. She is recognized as an emerging international leader for her work on microplastics, linking exposure to pregnancy outcomes such as fetal growth restriction.

*Department of Chemistry*

*Memorial University of Newfoundland*

Royal Society of Canada | Class of 2025

RSC College





**Sean Carleton** is an Associate Professor of History and Indigenous Studies at the University of Manitoba. As Canada's leading expert on residential school denialism, Dr. Carleton's interdisciplinary research examines Indigenous-settler relations and the Indian Residential School system in Canada. His work has been highly impactful both within and beyond academia, challenging audiences to understand and accept the truth about Canada's colonial past as a necessary part of reconciliation.

*Departments of History and Indigenous Studies*  

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*University of Manitoba*

Royal Society of Canada | Class of 2025

RSC College





**Bantayehu Shiferaw Chanie** is an adjunct and visiting professor at the Graduate School of Public and International Affairs and the Department of Criminology at the University of Ottawa. Before joining in February 2024, he was an assistant professor and PhD program coordinator at the Department of Political Science and International Studies, Bahir Dar University, Ethiopia. His research and teaching focus includes conflict, human rights, political transitions, ethnic politics, and democratic backsliding and diaspora politics in Canada.

*Graduate School of Public and International  
Affairs and Department of Criminology*

*University of Ottawa*

Royal Society of Canada | Class of 2025

RSC College





**Kora DeBeck's** research addresses the toxic drug crisis, now the leading cause of unnatural death in British Columbia. In collaboration with people with lived expertise in substance use, she leads the At-Risk Youth Study, a first-of-its-kind longitudinal cohort that generates evidence to improve policy and practice. Through cross-sector scientific and community engagement, she advocates for evidence-based drug policy reform as a pathway to harm prevention and health promotion.

*School of Public Policy*

*Simon Fraser University*

Royal Society of Canada | Class of 2025

RSC College





**David Décary-Hétu** is an associate professor at the School of Criminology at the Université de Montréal, deputy director of the International Center for Comparative Criminology (CICC), and editor of the journal *Criminologie*. Prof. Décary-Hétu is internationally recognized for his modelling of the social organization of online criminal communities and the impact of police operations on them. He has identified alternative approaches—such as targeting crime facilitators and key individuals in criminal structures—that have reduced the harm caused by online criminal communities.

*École de criminologie*

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*Université de Montréal*

Royal Society of Canada | Class of 2025

RSC College





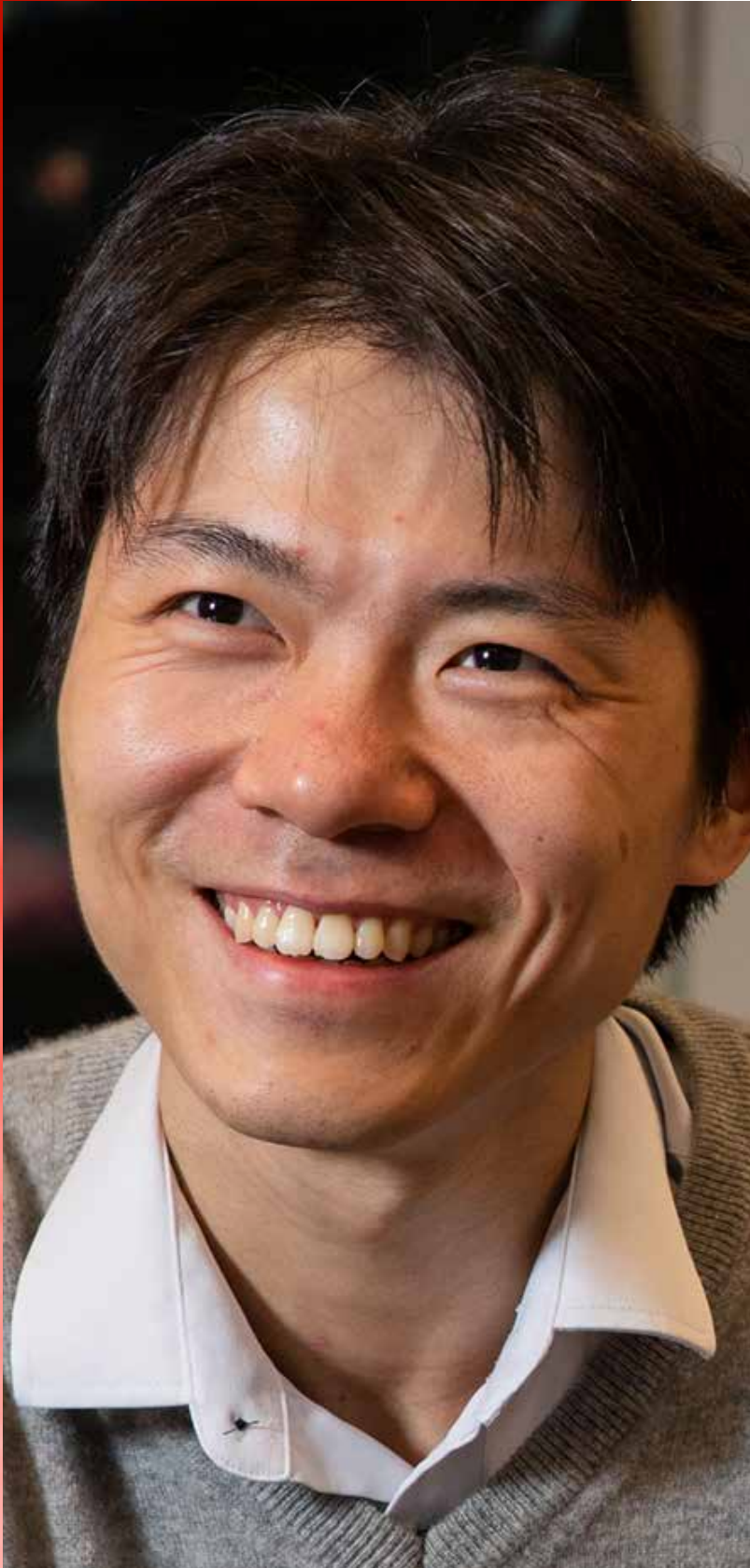
**Frédéric Dejean** is an Associate Professor in the Department of Religious Studies at the Université du Québec à Montréal (UQAM). Trained in geography, urban studies, and sociology, his research is rooted in multidisciplinary approaches and follows two main directions: evangelical dynamics in Quebec through an analysis of “urban churches” and “religious zoning” in metropolitan contexts. He has notably co-edited *Se faire une place dans la cité. La participation des groupes religieux à la vie urbaine* (PUM, 2022) and *Étudier les christianismes dans un contexte de postchrétienté* (PUL, 2025).

*Département de sciences des religions*  
*Université du Québec à Montréal*

Royal Society of Canada | Class of 2025

RSC College





**Ruobing Dong** is one of the world's leading young astrophysicists in exoplanet science and has made fundamental contributions to our understanding of planetary origins. He explores how planets form around young stars by studying the signatures of planet formation in their birth cradles. By pioneering a blend of cutting-edge observations, numerical simulations, and machine learning, he uniquely bridges the theoretical and observational communities, significantly advancing the field of planet formation.

*Department of Physics & Astronomy*  

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*University of Victoria*

Royal Society of Canada | Class of 2025

RSC College





**Allan Downey** is Dakelh, Nak'azdli Whut'en, and a Canada Research Chair in Indigenous History, Nationhood, and Self-Determination. An Associate Professor in the Department of History and Indigenous Studies Department at McMaster University, Allan is the co-director of the award-winning films *Deskaheh* (2024) and *Rotinonshón:ni Ironworkers* (2020), as well as the author of *The Creator's Game* (UBC Press, 2018), which received the 2019 Canada Prize from the Canadian Federation for the Humanities and Social Sciences.

*Department of History and Indigenous Studies*  

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*McMaster University*

Royal Society of Canada | Class of 2025

RSC College





**Encieh Erfani** is a theoretical physicist and science policy advocate based at the Perimeter Institute, Waterloo. Her research focuses on early universe cosmology. A passionate defender of academic freedom and at-risk scholars, she co-founded the International Community of Iranian Academics (ICOIA) and was awarded the 2025 AAAS (American Association for the Advancement of Science) Scientific Freedom and Responsibility Award for her advocacy at the intersection of science, human rights, and diplomacy.

*Theoretical Physics*

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*Perimeter Institute*

Royal Society of Canada | Class of 2025

RSC College





**Jennifer Geddes-McAlister** is an award-winning scholar and the Canada Research Chair in the Proteomics of Fungal Disease in One Health. Her internationally renowned research program targets antifungal resistance and drives novel antifungal development to improve global health and food security. Through her strong advocacy and capacity-building work, she has significantly advanced Canada's proteomics community while championing recognition and support for women in science worldwide.

*Department Molecular and Cellular*  

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*University of Guelph*

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**Stelios Georgiades**, Director of McMaster University's Offord Centre for Child Studies, is a global leader in autism research. His innovative and award-winning cohort studies have advanced our understanding of autism symptoms and outcomes, resulting in the implementation of personalized approaches to autism services and supports. Benefiting thousands of Canadians living with autism, his leadership and evidence-based advocacy were instrumental in creating the Ontario Autism Program and the National Autism Strategy.

*Department of Psychiatry & Behavioural Neurosciences*  

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*McMaster University*

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**Elisabeth Gilmore**, Associate Professor at Carleton University, is globally recognized for her interdisciplinary approach that bridges engineering and public policy to inform urgent, effective and equitable climate action. Her pathbreaking work highlights the critical importance of effective and inclusive institutions and participatory research to reduce climate vulnerability and enhance the feasibility of climate technologies. She was a lead author for the Intergovernmental Panel on Climate Change's Working Group II.

*Department of Civil and Environmental Engineering*  

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*Carleton University*

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**Tom Gleeson** is a deeply interdisciplinary and collaborative scholar of groundwater science. He is committed to bridging the gaps between scientific research, resource management, and community engagement, with a focus on groundwater sustainability and environmental justice. He loves new ideas and experiences, food and yoga, and helping people and the planet.

*Department of Civil Engineering*  

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*University of Victoria*

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**Jinguang Hu's** innovative approaches to biomass conversion and sustainable energy have established a significant new research field: sunlight-driven Biomass Photorefining with green hydrogen co-production. His studies on enzyme-assisted biomass processing and nanocellulose modification, along with pioneering work on biomass and bitumen co-processing, have advanced renewable fuel and material research globally. Professor Hu's ground-breaking work bridges academic innovation and industrial applications to address critical sustainability and environmental challenges worldwide.

*Department of Chemical  
and Petroleum Engineering*

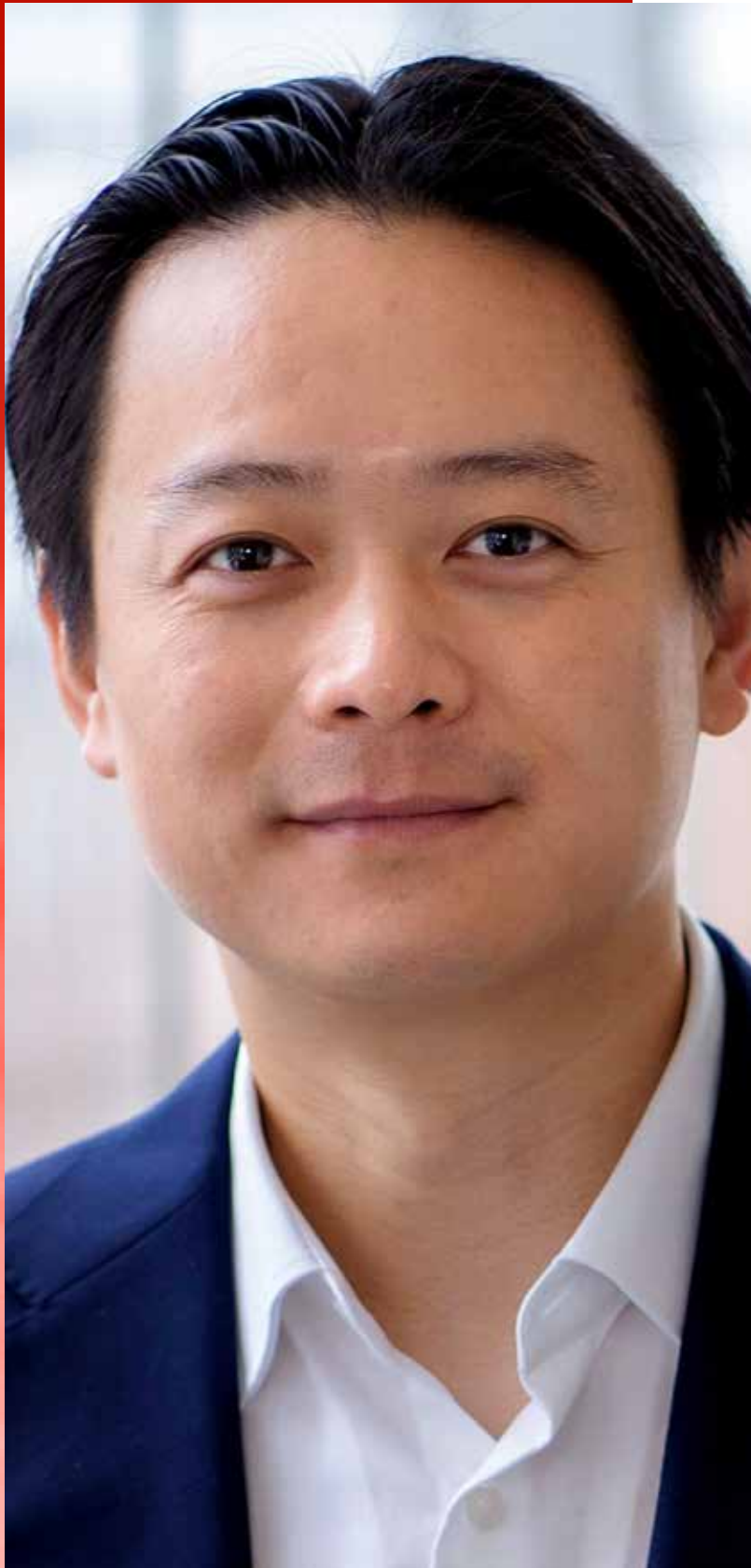
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*University of Calgary*

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**Xi Huang** pioneers a new research domain by defining ion channel functions in cancer. While ion channels are drug targets in treating human diseases, their functions are largely unknown in cancer. Dr. Huang's seminal, systematic, interdisciplinary, and globally recognized research revealed how ion channels regulate brain tumour initiation, progression, metastasis, and response to therapy. He invented a first-in-class ion channel-targeting agent with near-term prospect to benefit brain cancer patients.

*Developmental, Stem Cell & Cancer Biology Program*  
*The Hospital for Sick Children*

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**Alex Ketchum** (she/her) is an Associate Professor at McGill University's Institute for Gender, Sexuality, and Feminist Studies (IGSF) and Director of the Just Feminist Tech and Scholarship Lab. Ketchum is the author of *Engage in Public Scholarship!: A Guidebook on Feminist and Accessible Communication*, *Ingredients for Revolution: A History of American Feminist Restaurants, Cafes, and Coffeehouses*, and the forthcoming *Digital Queers*, and *High Tech Gays: A History of LGBTQ+ Cyber Activism and How to Organize Inclusive Events and Conferences*. She is also co-editor of *Queers at the Table: An Illustrated Guide to Queer Food with Recipes*.

***Institute for Gender, Sexuality, and Feminist Studies***  
***McGill University***

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**Miranda Kirby**, Canada Research Chair in Quantitative Imaging, develops advanced CT and MRI tools and artificial intelligence approaches to study lung disease. Her internationally recognized innovations in medical imaging have improved understanding of how lung disease begins and progresses. She leads global efforts to standardize imaging measurements, helping translate cutting-edge imaging techniques into clinical care that improves outcomes for people with chronic lung conditions.

*Department of Physics*

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*Toronto Metropolitan University*

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**Jude Kong**, Canada Research Chair in Community-Oriented AI and Mathematical Modeling at the University of Toronto, pioneers equitable, mathematical and AI-driven solutions for global health crises. He founded and directs AI4PEP, ACADIC, AIMMLab, and REASURE2, advancing community-led innovation across the Global South and Canada. With 151+ publications and multiple awards, including the 2025 DLSPH's Excellence in Research, he shapes health policy, empowers underrepresented STEM scholars, and drives inclusive, Southern-led scientific collaboration.

***Dalla Lana School of Public Health***  
***University of Toronto***

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**Diana Lewis** is a member of Sipekne'katik First Nation and Associate Professor/ Canada Research Chair (Tier II), Indigenous Environmental Health Governance, Department of Geography, Environment & Geomatics at the University of Guelph. Dr. Lewis is Director of the IndigenERA Lab. Her research focuses on promoting the understanding of Indigenous worldviews and advocating for Indigenous-led approaches to give communities baseline health data, and sovereignty over the data in environmental decision-making.

*Department of Geography, Environment & Geomatics*  

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*University of Guelph*

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**Carmen Logie** is a Canada Research Chair (Tier 2) in Global Health Equity and Social Justice with Marginalized Populations. She is a global leader in HIV research and advancing sexual health equity. Her original, highly interdisciplinary research program engages innovative approaches to knowledge creation and mobilization, informing policy and practice and generating positive impacts for marginalized populations in Canada and across diverse global contexts. With a prolific research funding and publication record, Dr. Logie has emerged as an internationally recognized expert in stigma and global health equity research.

***Factor-Inwentash Faculty of Social Work***

***University of Toronto***

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**Xiaonan Lu**, a Tier-I Canada Research Chair in Food Safety, is an outstanding researcher with an exceptionally wide range of research contributions in food safety. He is engaged in pioneering research that integrates molecular microbiology, analytical chemistry, engineering, and mathematics, allowing him to be the forefront of helping to address the pressing need for new approaches to detect, monitor, control and understand the chemical and microbiological hazards in the food supply chain.

***Department of Food Science and Agricultural Chemistry***  

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***McGill University***

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**Matthew S. Macauley**, Tier 2  
Canada Research Chair in Chemical  
Glycoimmunology and Raymond U.  
Lemieux Chair of Carbohydrate Chemistry,  
is an internationally recognized expert in  
Applied Chemistry. His research program  
seeks to understand the biological roles  
of carbohydrates and how they control  
immune cells, which has led him to important  
insights into Alzheimer's disease and cancer.  
Dr. Macauley's Lab innovative tools are  
being extensively used by research groups  
worldwide.

*Department of Chemistry*

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*University of Alberta*

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**Finlay Maguire** is an Assistant Professor at Dalhousie University and Pathogenomics Lead at Toronto's Shared Hospital Laboratory. A leading expert in genomic epidemiology and data science, he has significantly contributed to national and international responses to public health emergencies including SARS-CoV-2, avian influenza, and antimicrobial resistance. Through his research and leadership in multinational capacity-building, he translates genomic insights into real-world clinical decision-making and public health practice on a global scale.

*Departments of Computer Science and  
Community Health & Epidemiology*

*Dalhousie University*

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**Sara Mahshid**, a Canada Research Chair and internationally renowned pioneer in diagnostic technologies, has developed groundbreaking nano-biosensing devices that detect pathological states through innovative blood tests. Her work is powered by artificial intelligence and advanced nature-inspired disease-sensing nanomaterials. With several patents, numerous high-impact publications, and leadership roles in international collaborative networks, she is at the forefront of translating fundamental research into bedside applications for cancer diagnostics and therapeutics, as well as infectious diseases.

***Department of Bioengineering***

***McGill University***

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**Erin A. Maloney** is a Canada Research Chair and Full Professor of Psychology at the University of Ottawa. Internationally recognized for her work on mathematical cognition, she connects research and practice to improve educational outcomes for children around the globe. Her contributions span curriculum development, public outreach, and award-winning scholarship. Legally blind, she advances accessibility and inclusion through innovative initiatives and her leadership in Women in Cognitive Science+ Canada.

*School of Psychology*

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*University of Ottawa*

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**Marie-France Marin** is a professor in the Department of Psychology at the Université du Québec à Montréal and a researcher at the Centre de recherche de l'Institut universitaire en santé mentale de Montréal. Canada Research Chair in Hormonal Modulation of Cognitive and Emotional Functions, her work documents the hormonal, cognitive, and environmental factors that contribute to a person's susceptibility to stress- and fear-related psychopathologies.

*Département de psychologie*  

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*Université du Québec à Montréal*

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**Florian Martin-Bariteau** is one of Canada's leading experts on legal and ethical issues related to technology, with a particular interest in artificial intelligence, blockchain, quantum technologies and sciences, and cybersecurity. As the University of Ottawa Research Chair in Technology and Society at the University of Ottawa, his research addresses our society's growing dependence on digital innovations by establishing initiatives that prepare Canadians for the technological challenges of the 21st century.

***Faculty of Law, Common Law Section***

***University of Ottawa***

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**Courtney Mason** is a leading Canadian scholar of land use management, parks and protected areas. His research program examines the integration of traditional ecological knowledge into conservation practices to foster reconciliation, promote environmental resiliency and sustainable development. His interdisciplinary and community-based research influences government policy and planning of conservation lands and resources; it is significant at grassroots levels for rural communities throughout Canada and is globally relevant.

*Departments of Natural Resource Science  
and Tourism Management Departments*

*Thompson Rivers University*

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**Amanda Melin** is a Canada Research Chair and Professor of Biological Anthropology. Her internationally recognized research focuses on primate dietary and sensory ecology. She integrates multidisciplinary lab and field-based approaches to understand the molecular basis of dietary adaptations and diseases, and to improve our knowledge of human health and evolution. She has published widely on these topics, trained dozens of STEM professionals, and is innovating new methods for in situ genomics.

*Department of Anthropology and Archaeology*  

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*University of Calgary*

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**Lisa Monchalin** is a leading scholar in criminology, renowned for reshaping understandings of colonial impacts on Indigenous injustice and over-incarceration. Her seminal book, *The Colonial Problem*, influences education globally. Her research exposes systemic inequalities affecting Indigenous Peoples and drives efforts to reduce over-incarceration. Beyond academia, she has advised national organizations and speaks internationally, bridging scholarship and advocacy to champion meaningful reform in justice systems.

*Department of Criminology*

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*Kwantlen Polytechnic University*

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**Heather Murphy**, Canada Research Chair in One Health (Tier II), is a leading expert on waterborne diseases. She combines microbiology, engineering, risk assessment, and epidemiology to safeguard water supplies to prevent disease and improve human health. Dr. Murphy's research focuses on quantifying and reducing the burden of waterborne disease with a focus on vulnerable populations. Her work has led to development of tools and policies that save lives.

*Department of Pathobiology*

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*University of Guelph*

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**Isla Myers-Smith** is an international research leader who has made major impacts on Arctic ecosystem science and ecology. She is internationally known for her Arctic greening research, as the global expert on tundra vegetation responses to climate change, including the process of shrubification. Her research is impactful, interdisciplinary and inclusive and she works collaboratively to conduct research internationally and within the Canadian North.

*Department of Forest and Conservation Sciences*  

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*The University of British Columbia*

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Northern Ontario-based environmental microbiologist **Nadia Mykytczuk** is an award-winning expert on bioleaching and mine remediation. Utilizing aspects of microbiology and biotechnology, she studies microbial communities in extreme or disturbed habitats, their adaptability to stressors, and how their abilities can be harnessed to extract value from mine wastes and improve our environment. Working across sectors and disciplines, she advances biotechnology to deliver sustainable mining practices, enabling our transition to global clean energy.

***Goodman School of Mines***

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***Laurentian University***

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**Delphine Nakache** is a lawyer and Full Professor in the Faculty of Law, French Common Law Section, at the University of Ottawa, where she holds a University Research Chair on Migrant Protection and International Law. Her research focuses on improving protection for the most precarious groups of refugees, temporary migrants and immigrants. Her work, published in English and French, bridges academic research and public policy.

***Faculty of Law, Common Law Section***  

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***University of Ottawa***

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**Sarah Olutola** is a public writer, novelist, and academic. As an Associate Professor, her current research concerns African and African diasporic literature, critical race studies, and popular media culture. As a public intellectual, she has written for publications such as *The Walrus*, CBC, and *The Washington Post*. As a creative writer publishing under the pen name “Sarah Raughley,” she has published novels and short stories for readers worldwide.

*Department of English*

*Lakehead University*

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**Steven Rayan** is a world-leading expert in algebraic geometry, mathematical physics, and quantum science. Having received his doctorate from the University of Oxford, Dr. Rayan is Full Professor of Mathematics at the University of Saskatchewan and Director of the Centre for Quantum Topology and Its Applications (quanTA). Featured in Scientific American and other high-profile venues, he uses mathematical perspectives to unlock the full potential of quantum computing and anticipate the next phase of this potentially transformative technology.

***Department of Mathematics & Statistics***

***University of Saskatchewan***

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**Jessica Riddell** is a leading intellectual on the intersection between hope, the humanities, and higher education. She is one of Canada's most prolific public scholars on the role universities play in a civil, just society and regularly convenes conversations about how education shapes creative democracy. As an interdisciplinary researcher, she's engaged in knowledge creation in diverse fields from Shakespeare to transformative learning, inclusive high-impact practices to systems- and design thinking.

*Department of English*

*Bishop's University*

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**Hassan Rivaz's** ground-breaking research in the field of AI-driven ultrasound imaging has allowed this modality to transcend its limitations. By developing explainable models and integrating multimodal learning, his research has made ultrasound substantially more capable in both diagnosis and interventions. His work has also made ultrasound easier to use and less subject to users' interpretations, so that it can be used in regions where expert clinicians are scarce.

*Department of Electrical and Computer Engineering*  

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*Concordia University*

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**Angela Roberts** is a Canada Research Chair in Data Analytics and Digital Health in Cognitive Aging and Dementia. Her interdisciplinary research uses digital health technologies and artificial intelligence to examine behaviours in real-world contexts. Dr. Roberts is committed to community-engaged research and knowledge mobilization aimed at extending cognitive healthspan and improving the diagnosis and management of cognitive and communication changes in neurodegenerative conditions such as Alzheimer's and frontotemporal dementias, amyotrophic lateral sclerosis, and Parkinson's disease.

*Department of Computer Science and School  
of Communication Sciences and Disorders*

*Western University*

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**Supriya Routh** is the Canada Research Chair in Labour Law & Social Justice at the Peter A. Allard School of Law, the University of British Columbia. His interdisciplinary research agenda includes theoretical conceptualizations of the law of work, regulatory exclusion of informal workers in the Global South, deliberative lawmaking, and social justice and sustainable human development. Supriya's current research examines non-Eurocentric normative ideas on the relationship between livelihoods and sustainability.

***Peter A. Allard School of Law***

***The University of British Columbia***

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**Travis Salway** works to improve the health and wellbeing of 2S/LGBTQ+ populations by addressing health disparities and leading inclusive solutions. He created MindMapBC, a tool for finding 2S/LGBTQ-affirming mental healthcare, and has contributed to guidelines for respectful and sensitive research with transgender and Two-Spirit people. Renowned for his advocacy, Salway played a key role in strengthening Canada's anti-conversion therapy legislation and continues to monitor policy effectiveness while educating the public on these critical issues.

***Faculty of Health Sciences***

***Simon Fraser University***

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**Bharati Sethi** is a Canada Research Chair in Care Work, Ethnicity, Race and Aging at Trent University. She is renowned for her community-based arts-informed research projects that aim to promote the social, political, and economic inclusion of immigrants and refugees into Canadian society. Bharati has received prestigious academic and community awards in recognition of her pioneering work in fostering the resettlement of newcomers in small towns and rural regions.

*Department of Political Studies*

*Trent University*

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**Angelique Slade Shantz** is an internationally recognized scholar whose research focuses on the role of business in addressing two of the most important questions society currently faces: 1) how to support economic growth such that all can live above a social foundation, and 2) how to do so without going beyond an ecological ceiling that exceeds planetary resources. Her research has been recognized with a Canada Research Chair in Social Entrepreneurship.

*Department of Strategy,  
Entrepreneurship and Management*  

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*University of Alberta*

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**Tammara Soma** is a food system scholar and practitioner who integrates considerations of food system sustainability, climate resilience, Indigenous food sovereignty, and equity into land use planning and policy. Dr. Soma is internationally known for her efforts to build the nascent field of food system planning, advance food loss and waste prevention policies, as well as her work on the societal implications of novel agricultural technologies.

***School of Resource and Environmental Management***  
***Simon Fraser University***

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**Allyson Stevenson** is an internationally recognized Métis historian of the Sixties Scoop, Métis communities, and Indigenous Women's political activism. Stevenson combines archival research, oral history, and decolonial approaches to generate critical perspectives on Indigenous peoples' engagement with the Canadian state. Her monograph *Intimate Integration: The Sixties Scoop and the Colonization of Indigenous Kinship* received the Canadian Historical Association's Clio Prize, Prairie Region and the 2022 Prose Award Finalist, Association of American Publishers in the North American History Category.

***Department of Indigenous Studies***  
***University of Saskatchewan***

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**Lee-Hwa Tai** is Full Professor in the Department of Immunology and Cell Biology of the *Université de Sherbrooke* and Director of Cancer Research in the *Centre de Recherche-CHUS*. Professor Tai spearheads transformative cancer immunology research, developing translational models for viro-immunotherapy and innovative cancer vaccines. Committed to meeting the challenges of treating refractory cancers, Professor Tai's advocacy initiatives drive patient-centric advances in cancer research, fostering hope for improved therapeutic outcomes.

*Département d'immunologie et biologie cellulaire*  
*Université de Sherbrooke*

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**Karina Vernon** is a Professor of English at the University of Toronto Scarborough. Her rigorous archival research and public intellectual work has made a groundbreaking contribution to Canadian literature by defining a new field of Black prairie writing. Her recovered archive transformed public understandings of the prairies, and is extensively taught and written about in national and international contexts. Vernon's publications redefined principles for engagement with Black communities, art, and archives.

*Department of English*

*University of Toronto Scarborough*

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**Stéfanie von Hlatky** is the Canada Research Chair in Gender, Security and the Armed Forces, Full Professor, and Fellow with the Pierre Elliott Trudeau Foundation. Her research leadership on gender equality and defence has shaped policy innovation in the Canadian military and at NATO, bolstered by her Oxford University Press book *Deploying Feminism* (second edition in 2025) and her role as the Canadian representative on the NATO Civil Society Advisory Panel.

*Department of Political Studies*

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*Queen's University*

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**Shannon Walsh** is a filmmaker and writer whose work explores the affective and political stakes of social justice, grief, and global crises. Her films have screened globally, prompting dialogue across disciplines and communities. Author of *The Documentary Filmmaker's Intuition* (2024), she writes widely on inequality, gender and visual methods. Her work has been recognized with a Guggenheim Fellowship, a MacDowell residency, and the 2023 Governor General's Award in Visual and Media Arts.

*Department of Theatre & Film*  

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*The University of British Columbia*

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**Bo Wang** is a pioneering researcher in artificial intelligence for biomedicine, developing generative and foundation models that drive breakthroughs in genomics, medical imaging, and clinical decision-making. He is a tenured Associate Professor at the University of Toronto, SVP at Xaira Therapeutics, and Chief AI Scientist at UHN. His work bridges cutting-edge machine learning and real-world healthcare, earning him honors such as the Gairdner ECR and a Canada Research Chair.

*Departments of Computer Science and  
Laboratory Medicine & Pathobiology*

*University of Toronto*

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**Sheena Wilson** is an internationally renowned scholar of Energy Humanities, a discipline that emerged from the Petrocultures Research Group she co-founded. Wilson's intersectional and interdisciplinary climate justice research exposes how the extractivist worldview that produces environmental devastation, also allows for the exploitation of gendered, classed and racialized peoples, ontologies and epistemologies. Wilson's diverse community-based collaborations inform her scholarship, policy advising and public intellectual work on epistemic justice and planetary health.

*Faculté Saint-Jean*

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*University of Alberta*

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**Ma'n H. Zawati** is an Associate Professor at McGill University and the Research Director of the Centre of Genomics and Policy. Internationally recognized for his scholarly contributions in the fields of data governance and professional liability, his cross-disciplinary research focuses on the ethico-legal implications of human genomics. Prof. Zawati's engagement with policymakers and international comparative research have influenced national and international norms and have directly impacted policies and legislation.

*Department of Human Genetics*

*McGill University*

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**Sohrab Zendehboudi** is a globally recognized expert in energy sustainability and process systems engineering. A Full Professor and research lead at Memorial University, his research focuses on carbon management, hydrogen production, and advanced multiscale modeling and optimization. With over 300 publications and numerous awards, including 2025 CSChE D.G Fisher Award and MUN's 2024 President's Award, his work addresses critical global challenges, advancing clean energy technologies, promoting net-zero carbon strategies, and fostering innovation in engineering.

***Department of Process Engineering***  
***Memorial University of Newfoundland***

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