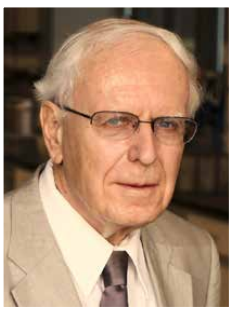
ROYAL SOCIETY OF CANADA | CLASS OF 2024

Fellows

ABIZADEH, Arash | Department of Political Science, McGill University

Arash Abizadeh is R.B. Angus Professor of Political Science and Associate Member of the Department of Philosophy at McGill University. He received his BA(Hon) from the University of Winnipeg, MPhil from Oxford as a Rhodes scholar, and PhD from Harvard. His research focuses on democratic theory; identity, nationalism, and cosmopolitanism; immigration and border control; social and political power; and 17th and 18th century philosophy, especially Hobbes and Rousseau.

ACADEMY OF SOCIAL SCIENCES



BAŽANT, Zdeněk | Department of Civil and Environmental Engineering, Northwestern University

Zdeněk Bažant obtained transformational scientific contributions shaping frontiers of solid mechanics and engineering, especially concrete, rock, ice, and aircraft composites. He discovered the size-effect law for quasibrittle fracture and size-effect method for fracture energy testing. He developed the microplane material model, crack-band theory, nanopore adsorption-based concrete creep law capturing hygrothermal effects, and Gauss-Weibull and fishnet probability distributions of strength of heterogeneous materials. These are practice impacting results, likely of permanent value.

ACADEMY OF SCIENCE

BÉLAND, Daniel | Department of Political Science, McGill University

Daniel Béland's work has illuminated public policy debates in Canada while reshaping the international scholarship on the role of ideas, policy feedback, territorial politics, and federalism. Widely cited internationally, his work has helped move the study of ideas to the forefront of the international field of comparative public and social policy research.

ACADEMY OF SOCIAL SCIENCES

BELLOT, Céline | École de travail social, Université de Montréal

Céline Bellot is a recognised expert for her work examining the prosecution of marginalized and racialized groups, including homeless people, as well as profiling issues. Her collaborative and participatory research has contributed to legislative changes and the development of policies and intervention practices. Her publications and achievements have been recognised through various scientific awards.

ACADEMY OF SOCIAL SCIENCES

BRENNAND, Kristen | School of Medicine, Yale University

Kristen Brennand is the Elizabeth Mears and House Jameson Professor of Psychiatry and Professor of Genetics at Yale University School of Medicine. Her mission is to unravel the mysteries of the human genome within a collaborative, inclusive, and supportive training environment. Her research combines expertise in human stem cell models, genomic engineering, and neuroscience to identify the mechanisms that underlie brain development, traits, and disease, towards developing novel, personalized approaches to improve health and prevent disease.

ACADEMY OF SCIENCE

BURACK, Jacob | Department of Educational and Counselling Psychology, McGill University

Jacob Burack's scholarship is driven by a commitment to promoting scientifically rigorous approaches to advancing humanistic and universal understandings of human development, regardless of ability level and/or background, within narratives that are strengths-based, empowering, and inclusive. Within this framework, he and his students study unique styles of attention in autistic and other neurodivergent populations and the impact of identification with ancestral culture in promoting academic success, social adaptation, and overall well-being among First Nations adolescents.

ACADEMY OF SOCIAL SCIENCES

CAI, Lin | Department of Electrical and Computer Engineering, University of Victoria

Lin Cai is a world-renowned technology innovator, widely recognized for her seminal contributions to network topology control, connectivity theory, and vehicular networking techniques. Her groundbreaking contributions are highly influential in wireless product development and standardization. She is a CAE Fellow, EIC Fellow, IEEE Fellow, and NSERC Steacie Fellow. She serves the Board of the IEEE Women-in-Engineering and IEEE Communications Society, and is Vice President of the IEEE Vehicular Technology Society.

ACADEMY OF SCIENCE

CARSTAIRS, Catherine | Department of History, University of Guelph

Catherine Carstairs is a nationally and globally renowned scholar and historian whose work focuses on health and inequity. Her award-winning work demonstrates how racism, colonialism, gender inequity, ageism and class have shaped our past and created health inequalities today. With a longstanding record of international and interdisciplinary collaborations, her research has had a major impact on the discipline of history and generated wide-spread media interest.

ACADEMY OF ARTS AND HUMANITIES

CASTEEL, Sarah | Department of English, Carleton University
Sarah Phillips Casteel is a prize-winning scholar of Black and Jewish diaspora literature and visual art. Promoting cross-cultural perspectives on aesthetic responses to atrocity, her groundbreaking, internationally recognized research has opened up the study of such neglected topics as Black experience under Nazism and Jewishness in the Caribbean literary imagination. Bridging disciplinary divides, Casteel is leading a major reorientation of Jewish and Holocaust studies towards questions of race and colonialism.

ACADEMY OF ARTS AND HUMANITIES

CHARLES, Anthony | School of the Environment and Sobey School of Business, Saint Mary's University
Anthony Charles is an internationally-recognized environmental researcher, whose leadership of transdisciplinary partnerships worldwide has created new avenues for building sustainability through people-centred conservation and participatory governance of natural resources and biodiversity. His influential fishery systems approach has transformed how we understand and manage fisheries, coasts and oceans, bringing a holistic perspective that fully integrates humans into the picture – highlighting social, cultural, economic, community and institutional aspects.

ACADEMY OF SOCIAL SCIENCES

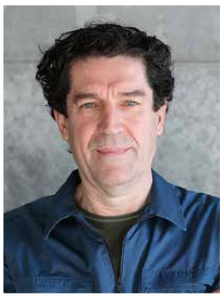
CHEN, Aicheng | Department of Chemistry, University of Guelph
Aicheng Chen, Tier 1 Canada Research Chair in Electrochemistry and Nanoscience, is an internationally recognized electrochemist. He has made seminal contributions to understanding the fundamental relationships between nanomaterials and their activities, leading to the discovery of advanced electrocatalysts and photocatalysts to address critical global challenges. Chen pioneered the development of dynamic graphene-based nanomaterials toward a sustainable hydrogen economy, robust environmental remediation, and high-performance sensors to ensure food quality and safety.

ACADEMY OF SCIENCE

CHENG, Li | Department of Mechanical Engineering, Hong Kong Polytechnic University

Li Cheng, Chair Professor at the Hong Kong Polytechnic University and a Fellow of the Canadian Academy of Engineering, is a world-leading scholar who is distinctly known for his seminal contributions in acoustics, structural vibration and wave mechanics. His pioneering work in the modelling of vibroacoustic systems, acoustic/elastic wave manipulation and control, fluid-structure-sound interaction and structural health monitoring has significantly advanced knowledge in these areas and created impactful engineering applications.

ACADEMY OF SCIENCE



CHUPIN, Jean-Pierre | École d'architecture, Université de Montréal

Jean-Pierre Chupin is a scientific leader in the field of architecture, both for his theoretical work on analogical thinking, competitions and architectural quality, and for the creation of open-access databases of immeasurable cultural and historical value. His initiatives have had a decisive impact in setting up inter-university architecture teams and in engaging citizens and professionals in creating built environments of the highest quality in Canada.

ACADEMY OF ARTS AND HUMANITIES

CLARKE, Kamari | Centre for Criminology and Sociolegal Studies, University of Toronto

Kamari Clarke is a Distinguished Professor of Transnational Justice. A cutting-edge sociolegal theorist known for her pioneering research in the anthropology of international justice, Clarke has authored three monographs, including the groundbreaking *Fictions of Justice* (Cambridge, 2009) and award winning *Affective Justice* (Duke, 2019). She has also co-edited six books, with topics ranging from bold controversies in international law, transformations in contemporary methodologies, and contemporary dilemmas in the the Black Atlantic world.

ACADEMY OF SOCIAL SCIENCES

COLEMAN, Simon | Department for the Study of Religion, University of Toronto

Simon Coleman is a pioneer in developing both the anthropology of Christianity and the study of urban forms of religious expression. A leading analyst of religion in plural cultural contexts, he has challenged conventional anthropological conceptions of the operations of ritual in contemporary societies. His internationally recognized, timely work has opened up research into Pentecostalism as a globalizing phenomenon, and introduced important new paradigms in the study of pilgrimage.

ACADEMY OF SOCIAL SCIENCES

COLLIN-VÉZINA, Delphine | School of Social Work, McGill University

As a distinguished researcher and clinical psychologist, Delphine Collin-Vézina has made exceptional contributions to the field of research and services on childhood and adolescent trauma. Her innovative research program aims to better understand the impact of adverse and traumatic events in the lives of children and young people, as well as their experiences with services for them, and has contributed to significant changes in social policy.

ACADEMY OF SOCIAL SCIENCES

COMACCHIO, Cynthia | Department of History, Wilfrid Laurier University

Cynthia Comacchio's award-winning studies on childhood and youth in Canada have made significant inroads into the historical cultures of the young. She is especially interested in how self-formation is mediated by shifting class, gender, sexuality, and racial prescriptions, and influenced by new technologies and media. Her inaugural application of interdisciplinary and transnational frameworks, regarding age and generational relations, place her in the top rank of Canadian social historians whose work is internationally recognized.

ACADEMY OF ARTS AND HUMANITIES

COOREN, François | Département de communication, Université de Montréal

François Cooren's research interests span three sub-fields of communication: corporate communication, the study of social interactions and, more generally, communication theories. He is primarily interested in the so-called "self-organizing" phenomena, and the ways in which organizations exist and act. He adopts a "constitutive" view, demonstrating it is within and through communication that organization occurs, whether in entrepreneurial, associative or humanitarian contexts.

ACADEMY OF SOCIAL SCIENCES

DANCYGIER, Barbara | Department of English Languages and Literatures, The University of British Columbia

Barbara Dancygier is Professor and Distinguished University Scholar at the Department of English Language and Literatures, University of British Columbia, and past President of the International Cognitive Linguistics Association. Her research interests lie in cognitive linguistics and poetics, focusing on multimodal communication, linguistic constructions, and post-truth phenomena in public communication. She has also developed new analytical tools to explore the language of literary genres.

ACADEMY OF ARTS AND HUMANITIES

DAVIS, Leith | Department of English, Simon Fraser University

Leith Davis is a Professor of English at Simon Fraser University whose work aims to broaden literary studies by including voices from the geographical and political margins. With six books published and three more underway, she has contributed to topics spanning cultural memory, media history, digital humanities and eighteenth-century literature. Her work demonstrates how the debates of the past continue to shape contemporary issues of identity, inclusivity and memory.

ACADEMY OF ARTS AND HUMANITIES

de BEER, Jeremy | Faculty of Law, University of Ottawa
Jeremy de Beer is internationally recognized for his research on intellectual property and open collaborative innovation. Through large-scale, transdisciplinary, global partnerships, his work connecting researchers in Canada and across the African continent is simultaneously breaking new conceptual ground, shaping global innovation regulations, and practically influencing Canadian law reform. By aligning IP law with sustainable development goals, he is ensuring that the benefits of innovation are shared equitably throughout society.

ACADEMY OF SOCIAL SCIENCES

DENBURG, Judah | Department of Medicine, McMaster University
Judah Denburg's pioneering research and leadership in the fields of allergy, autoimmunity, asthma and immune-inflammatory disease have resulted in a new generation of diagnostics and therapies for millions of people. He created and led a globally renowned and inter-disciplinary Canadian research network called AllerGen NCE, mobilizing Canada's leading experts to set standards in understanding and treating allergic diseases and reducing their devastating impact nationally and internationally.

ACADEMY OF SCIENCE

DIEDERICHS, Mark | Department of Geological Sciences and Geological Engineering, Queen's University
Mark Diederichs is an expert in engineering geology, rock mechanics and rock engineering. He has been a strong advocate promoting the integration of geological principles, fundamental geomechanics and rock engineering application, thereby elevating the state of art and practice in deep mining, open pit mineral extraction, tunnelling and underground cavern construction for transportation, water transfer, hydroelectric generation, deep mine access, and research enabling safe deep underground storage of nuclear waste.

ACADEMY OF SCIENCE

DOBRE, Octavia | Department of Electrical and Computer Engineering, Memorial University of Newfoundland

Octavia Dobre's contributions to the advancement of wireless communications and signal intelligence algorithms are world-renowned. Her ground-breaking research has had direct impact on interconnected consumer, industrial, and defence systems. She is a Tier-1 Canada Research Chair and a Fellow of the IEEE, and was the inaugural Chair of the IEEE Women in Communications Engineering Standing Committee and founding Editor-in-Chief of the IEEE Open Journal of the Communications Society.

ACADEMY OF SCIENCE

DROLET, Marie-Josée | Département d'ergothérapie, Université du Québec à Trois-Rivières

A Full Professor in the Department of Occupational Therapy at the Université du Québec à Trois-Rivières, Marie-Josée Drolet is an internationally renowned professor-researcher in the field of applied ethics in occupational therapy and health. A philosopher and occupational therapist by training, she is highly sought locally, nationally and internationally for her unique expertise in the field of ethics and the high quality and originality of her work and thinking. As she has published in English and French with fellow researchers from across North America, Europe and Oceania, her work is widely known.

ACADEMY OF ARTS AND HUMANITIES

DUCHESNEAU, Michel | Faculté de musique, Université de Montréal
Michel Duchesneau is an internationally-recognized specialist whose excellence can be seen in the creation and development of institutions that stimulate research in musicology, his management of a journal and a collection of scientific books, and the specific development of "sociomusicology", which he applies to French music of the 19th and 20th centuries and its text manifestations.

ACADEMY OF ARTS AND HUMANITIES

DUFF, Patricia | Department of Language & Literacy Education, The University of British Columbia
Patricia Duff is a Distinguished University Scholar and internationally recognized leader in applied linguistics and multilingual education. Her award-winning scholarship on case study research methods, Chinese language learning, and academic English discourse socialization has catalyzed new lines of research in diverse geopolitical, disciplinary, and ethnolinguistic global contexts. Her foundational research on the complex experiences of transnational learners has transformed the theory and methods used in research on multilingualism worldwide.

ACADEMY OF SOCIAL SCIENCES

DULVY, Nicholas | Department of Biological Sciences, Simon Fraser University
Beyond fundamental discoveries, novel approaches and methods in fish ecology and conservation science, Nicholas Dulvy led a massive 20-year global effort to develop a new comprehensive view of the health of ocean biodiversity. He convened scientists worldwide to develop data, tools, and strategies for safeguarding marine biodiversity. His science and communications have transformed understanding of how fisheries, climate change and international trade are driving marine biodiversity loss, and the socioeconomic underpinnings of conservation progress.

ACADEMY OF SCIENCE

ENGLISH, Ann | Department of Chemistry and Biochemistry, Concordia University

Ann English is a chemist working at the interface of bioinorganic chemistry and redox biology. Combining cutting-edge enabling technologies such as mass spectrometry with computational analyses, her investigations of redox reactions between hydrogen peroxide and metalloproteins have uncovered unprecedented mechanisms of peroxide signalling and heme trafficking within cells. Additionally, her studies are unravelling how nitric oxide reacts with hemoglobin and other vital biomolecules to regulate biological processes including blood flow.

ACADEMY OF SCIENCE

FARAH, Alain | Département des littératures de langue française, de traduction et de création, McGill University

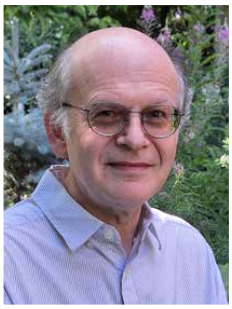
Alain Farah is a professor and writer internationally recognized both for his scholarly contributions on recent avant-garde literature in France and for his literary works. His latest novel, *Mille secrets mille dangers* (Le Quartanier, 2021), rewarded with the most prestigious prizes in the country, has confirmed that he is one of the major voices in the cultural landscape both in Quebec and in the whole of the French-speaking world.

ACADEMY OF ARTS AND HUMANITIES

GEORGE, Susan | Departments of Medicine and Pharmacology, University of Toronto

Susan George is an internationally recognized molecular pharmacologist who has made significant contributions to our understanding of neurotransmiter G-protein coupled receptors and their role in addiction, depression and neuropsychiatric disorders. Her research also pioneered the discovery of novel receptors, launching new research areas within the fields of physiology and pharmacology, and providing targets for drug discovery. Her research has been recognized by the Prix Galien and Order of Canada.

ACADEMY OF SCIENCE



GOETSCHEL, Willi | Departments of Germanic Languages and Literatures and Philosophy, University of Toronto

An internationally acclaimed philosopher, literary historian, and leader in the field of German Jewish thought, Willi Goetschel has advanced research on the deep nexus between thought and literary imagination. Situated at the interface between philosophy and literature, in particular in modern Jewish thought, his work has helped to recover marginalized approaches to critical thinking thereby articulating emancipatory strategies that re-imagine the terms of difference, alterity, and identity anew.

ACADEMY OF ARTS AND HUMANITIES

GUIDOTTI, Tee Lamont | University of Alberta

Tee Lamont Guidotti has shaped the medical field of occupational and environmental medicine in Canada by scholarship and institution building and is today a global thought leader in occupational and environmental health, sustainability, and risk science. His scholarly work has touched every part of the emerging field, addressing foundational issues. For these achievements, he has achieved international recognition and assumed a position of leadership in science and public affairs.

SPECIALLY ELECTED FELLOW

GUO, Baining | Microsoft Research

Baining Guo is a world-leading computer graphics researcher whose work focuses on deep neural network models for 3D graphics and imaging, statistical models for textures and appearances, and geometric modeling. He is widely acknowledged for his groundbreaking research on vision transformers, texture synthesis, and 3D shape deformation. He has invented graphics and video gaming technologies used by tens of millions of people worldwide.

ACADEMY OF SCIENCE

HEBLE, Ajay | College of Arts, University of Guelph
Ajay Heble is an internationally renowned scholar, a visionary arts leader, and an innovative community builder whose remarkable achievements demonstrate the power of art to change lives and to improve communities. Dr. Heble led development of a ground-breaking new field of interdisciplinary research and scholarly inquiry: critical studies in improvisation. He is the founding director of the International Institute for Critical Studies in Improvisation (IICSI), a partnered research institute.

ACADEMY OF ARTS AND HUMANITIES

HEYES, Cressida | Department of Political Science, University of Alberta
Cressida Heyes is a globally recognized scholar in feminist philosophy. Her work in the field has established it as a legitimate area of the discipline, and simultaneously redefined the topics and methods philosophy addresses. She combines theoretically ambitious analysis of the relation of subjects and structures with readings of everyday topics from popular culture, and thus exemplifies the most compelling intersectional feminist scholarship in the humanities.

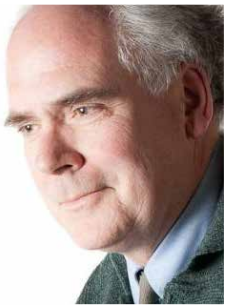
ACADEMY OF ARTS AND HUMANITIES

HILL, (William) Barry | McMaster University
Engineer, agriculturalist, entrepreneur, historical interpreter, teacher and organist, Barry Hill continues to contribute to his community as a dedicated volunteer and advisor. In 1993, Barry changed careers to rebuild the family farm and became engaged with local planning and economic development initiatives. He also led several agricultural organizations and continues to contribute his expertise at two universities. He is Warden at H.M Chapel Royal of the Mohawk.

SPECIALLY ELECTED FELLOW

HILL, Lawrence | College of Arts, University of Guelph
Lawrence Hill is the award-winning author of eleven books of fiction and nonfiction, including *The Book of Negroes*, *The Illegal*, and *Beatrice and Croc Harry*. A member of the Order of Canada and a Professor of Creative Writing at the University of Guelph, he is writing a novel about the African-American soldiers who helped build the Alaska Highway in northern British Columbia and Yukon during World War Two.

ACADEMY OF ARTS AND HUMANITIES



HOWES, David | Department of Sociology and Anthropology, Concordia University
In law, David Howes has made significant contributions to Canadian legal history and constitutional studies, and been a staunch advocate for the practice of cross-cultural jurisprudence. In anthropology, Dr. Howes is internationally renowned as a pioneer of the anthropology of the senses and leading theorist of the interdisciplinary field of sensory studies. Recent books include: *The Sensory Studies Manifesto* (2022), *Sensorial Investigations* (2023) and *Sensorium* (2024).

ACADEMY OF SOCIAL SCIENCES

HUANG, Aiyun | Faculty of Music, University of Toronto
Aiyun Huang enjoys a musical life as a soloist, chamber musician, researcher, teacher, and producer. Globally recognized since winning the 2002 First Prize and Audience Prize of the Geneva International Music Competition. Born in Kaohsiung, Taiwan, Aiyun has called Canada home since 1990. She currently directs the Technology and Performance Integration Research (TaPIR) Lab and heads the percussion program at the Faculty of Music, University of Toronto.

ACADEMY OF ARTS AND HUMANITIES

ILYAS, Ihab | Cheriton School of Computer Science, University of Waterloo

Ihab Ilyas is a distinguished computer scientist and a world leader in data management, data quality and data integration. He is especially known for his pioneering research in artificial intelligence for managing and cleaning data at scale. He has made numerous impactful contributions in academia and industry including founding startups and leading large teams in top tech companies. He is a fellow of the ACM and the IEEE.

ACADEMY OF SCIENCE

ISHAK, Waguih | Department of Electrical Engineering, Stanford University

Waguih Ishak created and led photonics and electronics research teams to develop key photonic components and systems including more than 20 Lightwave instruments, the world's first commercialized VCSEL lasers, the development/commercialization of the optical mouse, the invention/commercialization of the laser mouse, the development of the >100Gb/s parallel optical computer interconnects, and the 40Gb/s active optical cables.

ACADEMY OF SCIENCE

JENSTAD, Janelle | Department of English, University of Victoria

Janelle Jenstad has shaped the emerging field of geohumanities as the creator and director of the Map of Early Modern London, one of the most important digital humanities projects in Renaissance studies. The multilayered, detailed digital map that she envisioned and developed stands apart as a pre-eminent example of interdisciplinarity, collaboration, reach and impact. The map consistently serves 7.7 million pages annually to 200,000 visitors from nearly 140 countries.

ACADEMY OF ARTS AND HUMANITIES

JETTE, Nathalie | Department of Clinical Neurosciences, University of Calgary

Nathalie Jette, a University of Calgary Professor of Neurology, is an internationally recognized clinician-scientist and health services researcher. Her highly cited research focuses on using big data to understand health outcomes, improve access to equitable care and develop tools to optimize the dissemination of evidence-based practice. Her work has enhanced the lives of people with epilepsy globally through her influence on healthcare delivery and leadership with prominent organizations (e.g., the International League Against Epilepsy and World Health Organization).

ACADEMY OF SCIENCE

KAMWA, Innocent | Department of Electrical and Computer Engineering, Université Laval

Innocent Kamwa is recognized for his outstanding and awarded contributions to adaptive power grid control schemes and synchronous generator testing and standards. He pioneered synchrophasors-based wide-area control, a game changing technology adopted by Hydro-Quebec to operate electric network closer to its limits. New technologies developed in his lab are being used by electric utilities worldwide and are seen today as turning points in power grid modernization for digital energy transition.

ACADEMY OF SCIENCE

KARP, Jeff | Harvard Medical School, Brigham and Women's Hospital

Jeff Karp, Distinguished Chair at Brigham and Women's Hospital, Professor at Harvard Medical School, and Head of Innovation at Geoversity, is renowned for accelerating medical innovation to patients through his groundbreaking work in drug delivery, stem cell therapies, and medical devices. He has published over 165 papers, holds over 100 patents, and has co-founded 12 companies. Dr. Karp ignites conscious living through his book *LIT: Life Ignition Tools: Use Nature's Playbook to Energize Your Brain, Spark Ideas, and Ignite Action* (2022) and empowers it further with his passionate mentorship.

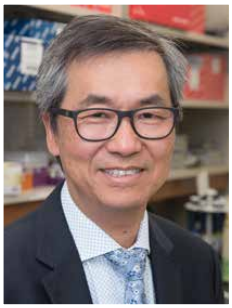
ACADEMY OF SCIENCE

KAWAKAMI, Kerry | Faculty of Health, York University
Kerry Kawakami, the Walter Gordon Research Chair and Professor of Psychology, has led groundbreaking research on unconscious biases that has profoundly changed how we understand systemic inequalities in society and our approach to studying them. Through innovative methods, her research identifies implicit racism and sexism and, more uniquely, offers strategies to reduce these biases, significantly impacting Canada's potential to build just and inclusive communities.

ACADEMY OF SOCIAL SCIENCES

KEE, Hae-Young | Department of Physics, University of Toronto
Hae-Young Kee is a world-leading theoretician renowned for her exceptional contributions to the field of quantum materials. Her ground-breaking discoveries have not only spurred exploration for new materials but have also extended the boundaries of knowledge into the realm of quantum matter. Kee's remarkable contributions have garnered prestigious accolades, including the Sloan Fellowship, APS Fellowship, CIFAR Quantum Materials Fellowship, Tier I and II Canada Research Chairs, and CAP/DCMMP Brockhouse Medal.

ACADEMY OF SCIENCE



KIM, Richard | Department of Medicine, Western University
Richard Kim is Professor and holds the Wolfe Medical Research Chair in Pharmacogenomics at Western University. Dr. Kim received his medical degree from University of Saskatchewan and postdoctoral fellowship training at Vanderbilt University. The goal of his research is that of better understanding the molecular basis of why patients differ in response to medications and utilize the latest genomic technologies to provide precision medicine-based drug therapy for our patients.

ACADEMY OF SCIENCE

LEE, Charles | The Jackson Laboratory for Genomic Medicine
Charles Lee made a revolutionary discovery in 2004: Genes don't always occur in two copies per cell. This ground-breaking discovery uprooted the field of human genetics, transforming our understanding of disease mechanisms, human evolution and leading to the development of new genetic diagnostic tests. He has written more than 190 publications which have collectively been cited more than 100,000 times. From 2017 to 2023, he served as president of the Human Genome Organization.

ACADEMY OF SCIENCE

LEE, Kang | Department of Applied Psychology and Human Development, University of Toronto
Kang Lee is a Professor at the University of Toronto and a Tier 1 Canada Research Chair in Developmental Neuroscience and Moral Development. He is an international authority on the development of dishonesty and racial bias in early childhood and has made transformative theoretical, methodological, and empirical contributions to developmental science. He has also made direct and far-reaching impacts on educational, legal, and clinical practices.

ACADEMY OF SOCIAL SCIENCES

LeFEVRE, Jo-Anne | Department of Cognitive Science, Carleton University
Jo-Anne LeFevre is Chancellor's Professor of Cognitive Science and Psychology. Her extensive research on mathematical cognition and learning is being applied to improve the lives of Canadian children through the development of assessment tools that support equity in mathematics. In 2023, she received the Donald O. Hebb Award from the Canadian Society for Brain, Behaviour, and Cognitive Science in recognition of her sustained contributions to research, training, and leadership.

ACADEMY OF SOCIAL SCIENCES

LI, Ren-Ke | Department of Surgery, University of Toronto
Ren-Ke Li is a Senior Scientist at University Health Network and a Professor in the Department of Surgery at University of Toronto. He is the Canadian Research Chair in Cardiac Regeneration (Tier-1) and Fellow of Canadian Academy of Health Sciences. His pivotal contributions include discovering stem cell therapy for cardiac regeneration and developing conductive biomaterials to treat arrhythmia. He has published over 270 papers and has four granted patents.

ACADEMY OF SCIENCE

LUNEAU, Marie-Pier | Département des arts, langues et littératures, Université de Sherbrooke
Marie-Pier Luneau is an internationally-renowned specialist whose work focuses on printed media, the sociology of the author, and popular literature, in particular "romance" novels. The studies she has authored or co-authored have received critical acclaim and have all opened up new fields of research. Professor Luneau has thus become a leading figure in literary research, particularly for her highly innovative study approaches to books and publishing.

ACADEMY OF ARTS AND HUMANITIES

LUPIEN, Mathieu | Department of Medical Biophysics, University of Toronto
Mathieu Lupien, a French-Canadian scientist, significantly expanded the realm of cancer and epigenetics research to recognize epigenomic reprogramming as a hallmark of cancer. His seminal studies in functional epigenomics and genome indexing led to the discovery of new classes of non-coding DNA elements and associated epigenetic variations to reveal their role in disease etiology. His groundbreaking work leads the adoption of epigenomics technology in clinical settings to benefit cancer patients.

ACADEMY OF SCIENCE

MacDONALD, Margaret | Department for the Study of Religion, Saint Mary's University

Margaret MacDonald has conducted ground-breaking work on early Christian communities and received international recognition through research chairs, translation of her monographs into Italian and Spanish, and numerous leadership roles. She currently holds the Santamarian Chair for the Faculty of Arts. A pioneer in social-scientific interpretation of the letters of Paul, her work opened new pathways of research in dialogue with modern questions about power, families, and constructions of gender.

ACADEMY OF ARTS AND HUMANITIES

MAROIS, Christian | Herzberg Astronomy and Astrophysics Research Centre, National Research Council Canada

Over the past two decades, Christian Marois has revolutionized our view of the universe by pioneering the direct imaging of exoplanets. His ingenious invention of high-contrast techniques resulted in the landmark imaging of the first exosolar system, and his innovative imaging techniques continue to give planetary scientists a clearer lens for scientific discovery. He is now developing novel technologies to drive the search for Earth-like exoplanets and life.

ACADEMY OF SCIENCE

MARSHALL, Deborah | Department of Community Health Sciences, University of Calgary

Deborah Marshall has made significant contributions to lead and shape the field of patient-oriented research, patient preferences and the science of patient engagement in research. Her highly cited research on innovative methods to engage patients, measure quantitatively what matters to patients and the trade-offs in healthcare decisions have had global impact on research practices, patient-centred healthcare and outcomes, and health policy. Her research findings have influenced the integration of patient voices to improve healthcare decision-making.

ACADEMY OF SOCIAL SCIENCES

MASON, Georgia | Department of Integrative Biology, University of Guelph
Georgia Mason is an internationally recognized leader in animal welfare research who is transforming how we treat other species. The world authority on the effects of captivity on animal behaviour and health, her fundamental research investigates animal emotions, moods and overall well-being in innovative, rigorous ways. Her discoveries have helped change attitudes, guidelines and even laws to better protect animals worldwide.

ACADEMY OF SCIENCE

MAYR, Suzette | Department of English, University of Calgary
Suzette Mayr is a Full Professor who specializes in Creative Writing at the University of Calgary. Mayr examines through her fiction the lives of LGBTQ2S+ and racialized people in the Canadian west. Her novel *The Sleeping Car Porter* was awarded the 2022 Giller Prize and was a finalist for the Dublin Literary Award and the Governor General's Literary Award for Fiction.

ACADEMY OF ARTS AND HUMANITIES

McCORMICK, Roderick | Faculty of Education and Social Work, Thompson Rivers University
Roderick McCormick comes from the Mohawk (Kanienkehaka) Nation and holds a British Columbia Research Chair in Indigenous Health. His research has attracted more than $50 million in funding in the areas of Indigenous health and mental health, suicide prevention, capacity building, and community wellness. As a global expert in his field, Dr. McCormick is regularly asked to provide advice to Indigenous communities, provincial and national governments, and international organizations.

ACADEMY OF SOCIAL SCIENCES

McGOWAN, Mark G. | Department of History, University of Toronto

Historian Mark G. McGowan is internationally recognized as the leading expert on Irish migration and settlement in Canada. His original and innovative research methodology has resulted in pioneering publications on the Irish diaspora in the North Atlantic world, sectarian relations, religious education, and Irish Famine orphans. His research has prompted diplomats, scholars, educators, and religious leaders, to seek him as an advisor, research collaborator, and principal investigator on special projects.

ACADEMY OF ARTS AND HUMANITIES

MISRA, Manjusri | School of Engineering, University of Guelph

Manjusri Misra is an established leader in sustainable materials, with life-long contributions to the advancement of biopolymers and biocomposites. She is recognized globally for innovative material design for functional performance of bioproducts. Her novel materials reduce global dependence on fossil polymers, greenhouse gas emissions and waste, fostering a circular economy and contributing to the UN's Sustainable Development Goals. Her dedication to technology transfer for commercialization has led to award-winning applications in manufacturing.

ACADEMY OF SOCIAL SCIENCES

MOORE, G.W. Kent | Department of Chemical and Physical Sciences, University of Toronto

G.W. Kent Moore's innovative research has transformed our understanding of the impacts of climate change in polar and mountainous regions. His exceptional and sustained record of impactful and highly interdisciplinary research has provided critical new insights into the evolving interactions between the ocean, atmosphere and sea ice in a changing climate. In addition, he has pioneered a new area of research at the intersection of meteorology and high-altitude human physiology.

ACADEMY OF SCIENCE

MUNOZ, Douglas | Department of Biomedical and Molecular Sciences, Queen's University

Douglas Munoz is a transformational leader in the field of systems neuroscience, and an ambassador for Canadian neuroscience on the global stage. A Tier I Canada Research Chair in Neuroscience from 2001 to 2022, his award-winning research on how the brain controls eye movements has led to over 200 top-tier highly influential publications. Furthermore, he has translated this work to develop new diagnostic tools for a variety of brain disorders.

ACADEMY OF SCIENCE

NADER, Karim | Department of Psychology, McGill University

Karim Nader is a renowned neuroscientist whose groundbreaking discovery of memory reconsolidation has revolutionized memory science and fundamentally transformed behavioural neuroscience. His research on memory reconsolidation challenged established theories by showing that old memories can be modified upon retrieval. This discovery has paved the way for innovative therapeutic approaches for anxiety disorders, including post-traumatic stress disorder (PTSD), and drug addiction.

ACADEMY OF SCIENCE

NEWMAN, Carey | Department of Visual Arts, University of Victoria

Artist and scholar Hayalthkin'geme – Carey Newman, makes regional, national, and international impact by combining art and Kwakwaka'wakw Knowledges to address Indigenous and environmental injustice. His projects, like The Witness Blanket and Seedling, transform conversations around reconciliation and decolonization across social, institutional and political paradigms, driving innovation and collaboration that challenge status quo approaches to research in the arts, climate, leadership, transsystemic law, collections management, conservation, technology and more.

ACADEMY OF ARTS AND HUMANITIES

NIELSEN, Torsten | Department of Pathology and Laboratory Medicine, The University of British Columbia

Torsten Nielsen is a clinician-scientist pathologist who is working to translate the vast amount of molecular information about cancer gained from new genomic technologies into practical advances that improve health. In sarcomas he has developed new, faster and more accurate diagnostics and made discoveries that have led to new targeted therapies. For breast cancer, he has developed tests that identify women who can safely avoid radiation and chemotherapy.

ACADEMY OF SCIENCE

OGILVIE, Gina | School of Population and Public Health, The University of British Columbia

Gina Ogilvie is a Professor and Tier 1 Canada Research Chair in the Global Control of HPV (human papillomavirus)-Related Disease and Cancer at the University of British Columbia. Her career is dedicated to eliminating cervical cancer in Canada and globally. She is internationally recognized for her research on reduced dosing of the HPV vaccine, improving HPV vaccine uptake, and innovative cervical screening methods, which have transformed health policy globally.

ACADEMY OF SCIENCE

OSINSKI, Gordon | Department of Earth Sciences, Western University

Gordon Osinski is a geologist and Professor at Western University. His research focuses on understanding the evolution of the surface of the Earth and other planetary bodies and the origin of life. He has conducted fieldwork on six continents, from the Arctic to Antarctica. He is the Principal Investigator of the Canada's first lunar rover mission and is a member of the Science Team for the Artemis III mission, the first human mission to the Moon in over 50 years.

ACADEMY OF SCIENCE

PACKIRISAMY, Muthukumaran | Department of Mechanical, Industrial and Aerospace Engineering, Concordia University

Muthukumaran Packirisamy, Concordia Research Chair and Director of Micro-Nano-Bio-Integration-Center at Concordia University, is a world leader on multi-disciplinary area of micro-nano integrated Lab-on-Chips for applications in life sciences. As a highly accomplished researcher, inventor and prolific scholar, his technological breakthroughs and experimental innovations are used worldwide. Outstanding examples include intra-cellular-plasmonics and nano-interactions based early cancer diagnosis. Packirisamy is an Alumnus of the College of New Scholars of the RSC and Fellow NAI, RSC(UK), INAE, ASME, CAE, CSME, EIC and IEI.

ACADEMY OF SCIENCE

PAPADOPOULOS, Vassilios | Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences, University of Southern California

Vassilios Papadopoulos has made significant contributions to the field of steroid hormone biosynthesis and regulation. His work pioneered the pharmacology of steroidogenesis and neurosteroidogenesis with direct impact on the understanding and treatment of endocrine, reproductive, neurological and psychiatric diseases. He also contributed to the success of Universities and Academic Health Sciences Centers by invigorating outstanding and interactive academic environments and training the next generation of scientists and health professionals.

ACADEMY OF SCIENCE

PASSOW, Uta | Department of Ocean Sciences, Memorial University of Newfoundland

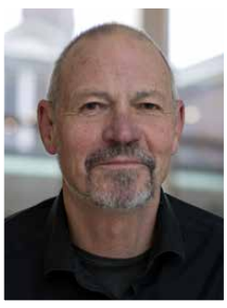
Uta Passow has made significant contributions to our understanding of the ocean's role in removing carbon from the atmosphere, therewith influencing climate, and the distribution of oil spilled into our waters. Her discovery that marine snow efficiently transports oil to the deep seafloor was unexpected and has changed oil spill response planning worldwide. In 2022, she received the prestigious A.G. Huntsman Award for Excellence in the Marine Sciences.

ACADEMY OF SCIENCE

PAULTRE, Patrick | Département de génie civil et génie du bâtiment, Université de Sherbrooke

Patrick Paultre, a Professor at the Université de Sherbrooke, is a world-renowned expert in structural dynamics and earthquake engineering. He held a Canada Research Chair for fourteen years and is the author of three award-winning books on structural analysis and design. His work has led to changes in the building codes of several countries and to improvements in the resistance of buildings to seismic shocks. He has received numerous scientific awards (e.g. prix Armand-Frappier) and civilian honours (Chevalier de l'Ordre national du Québec).

ACADEMY OF SCIENCE



PHILLIPS, Jim | Faculty of Law, University of Toronto

Jim Phillips, Professor of Law and History, University of Toronto, is a leading figure in the field of Canadian legal history. Phillips has been an intellectual leader in the expansion of legal scholarship beyond traditional doctrinal limits. His work ranges over intellectual history, socio-legal studies, case studies, and comparative legal history. Phillips' research has made the history of law a dynamic tool for interrogating Canada's past, present, and national identity.

ACADEMY OF SOCIAL SCIENCES

POINAR, Hendrik | Department of Anthropology, McMaster University

Hendrik Poinar is a world-renowned evolutionary geneticist specializing in ancient DNA. He has unearthed important information about the preservation and degradation of organic molecules in the fossil record and how best to access them to address meaningful questions about the past. He is credited with the birth of ancient (patho)genomics via the reconstruction of the genomes of causative agents responsible for the Black Death and Plague of Justinian.

ACADEMY OF SCIENCE

PRESCOTT, Cindy | Department of Forest and Conservation Sciences, The University of British Columbia

Cindy Prescott is a Professor in the Department of Forest and Conservation Sciences at the University of British Columbia. Her research spans the interface between forest ecology and forest management, advancing forest science and ensuring that forest management decisions are based on solid scientific evidence. Her research has challenged several widely held beliefs, which she tested through her own experiments and through critical analysis of existing evidence.

ACADEMY OF SCIENCE

RANKIN, Lisa | Department of Archaeology, Memorial University of Newfoundland

Lisa Rankin has significantly advanced our understanding of North Atlantic archaeology and Labrador Inuit history, bringing Indigenous agency to the complexities of Inuit-European contacts. Her ground-breaking approach to community-based research is recognized globally for its impacts on Indigenous communities, scholars and policy-makers. Lisa's collaborative study of the deep-past inspires and educates Inuit youth and instills pride in heritage, while training new generations of northern archaeologists and bolstering local community economies.

ACADEMY OF SOCIAL SCIENCES

RHODES, Ryan | Department of Exercise Science, Physical and Health Education, University of Victoria

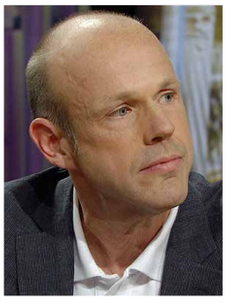
Ryan Rhodes is an international leader in the field of exercise and health psychology, who has created influential new knowledge that addresses improving family health around the world. His research advances our understanding of early family development of physical activity, from the onset of parenthood to parenting practices that help promote activity in children – all with the goal to prevent disease early in life and improve lifelong health.

ACADEMY OF SOCIAL SCIENCES

RUBINSTEIN, John | Molecular Medicine Program, The Hospital for Sick Children

John Rubinstein has pioneered methods in electron cryomicroscopy (cryo-EM), allowing the technique to reveal biomolecular structures at unprecedented resolution. He has also used cryo-EM to reveal how cells energize membranes and produce the energy currency ATP. His work has applications ranging from design of new antibiotics for tuberculosis to understanding how neurons communicate with each other in the brain.

ACADEMY OF SCIENCE



SAINT-MARTIN, Denis | Département de science politique, Université de Montréal

An internationally renowned expert and innovator, Denis Saint-Martin is proficient in the comparative analysis of the growing reliance of public institutions on consultocracies, whose expertise is shifting the traditional foundations of democratic decision-making. An intellectual dedicated to democratic governance integrity, he also stresses the fundamental importance of ethics in political regulation. His work and speeches, which have earned him recognition and awards, have had a decisive influence on how public policies and associated practices are analysed.

ACADEMY OF SOCIAL SCIENCES

SAUVÉ, Sébastien | Département de chimie, Université de Montréal

Sébastien Sauvé is a Full Professor of Environmental Chemistry and outgoing Vice-Dean of Research at the Université de Montréal, and a correspondent of the *Académie d'agriculture de France*. His work focuses on contaminated soils, the circular economy, blue-green algae, ultra-trace analysis by mass spectrometry, and the impact of emerging contaminants on health and the environment. He regularly contributes as an expert to the media. He received the ACFAS Michel Jurdant Environmental award in 2020. He is the Chief Editor of the journal *Frontiers in Environmental Chemistry*.

ACADEMY OF SCIENCE

SCHMIDT, Louis | Department of Psychology, Neuroscience & Behaviour, McMaster University

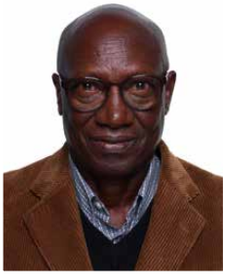
Louis Schmidt is the Science Research Chair in Early Determinants of Mental Health and a Pickering Award recipient. He is an internationally recognized expert in socioemotional development who has championed the importance of viewing personality development and developmental risk through individual, familial, and cultural lenses. His innovative interdisciplinary approach has transformed our understanding of socioemotional development across the lifespan, reduced stigma around mental illness, and challenged cultural stereotypes.

ACADEMY OF SOCIAL SCIENCES

SELTZER, Margo | Department of Computer Science, The University of British Columbia

Margo Seltzer's creativity and foresight underly her pioneering contributions to Computer Systems including novel data storage systems; data provenance systems that document how digital data has been created and processed, support computational reproducibility, and enable system-level anomaly detection; and interpretable machine learning models that provide transparency in high-stakes decision making. She is a visionary leader, caring mentor, and dedicated community builder.

ACADEMY OF SCIENCE



SEMUJANGA, Josias | Littératures de langue française, Université de Montréal

Josias Semujanga's research focuses on the relationship between literature, linguistics, anthropology and history in the development of a transcultural poetics of the novel. His main areas of research are literary genre theory, the novel, social discourse and the history of criticism and genocide narratives. He has published numerous leading works on Francophone literatures and narratives from Africa and the Caribbean.

ACADEMY OF ARTS AND HUMANITIES

SHARKEY, Keith | Department of Physiology and Pharmacology, University of Calgary

Keith Sharkey has made outstanding contributions to understanding the neural control of the gastrointestinal tract and the brain-gut connection. His innovative research on enteric glia, and enteric neuroplasticity is recognized internationally and has led to new insights into the etiology of inflammatory bowel disease. He has made transformative discoveries on the role of the endocannabinoid system in the brain-gut axis. His findings will improve our ability to treat gastrointestinal disorders.

ACADEMY OF SCIENCE

SHIM, Brigitte | John H. Daniels Faculty of Architecture Landscape and Design, University of Toronto

Brigitte Shim has produced an exceptional body of design work that is committed to craft, tectonics, site and ecology. She is one half of a collaborative partnership addressing built work that tackles multiples scales from architecture, landscape, interiors, furniture and hardware – all developed to a high standard, with craft, rigour, sense of place, mastery of proportions and placemaking. She is recognized for an ongoing commitment to advocacy, mentorship and teaching.

ACADEMY OF ARTS AND HUMANITIES

SLINGERLAND, Edward | Department of Philosophy, The University of British Columbia

Edward Slingerland is Distinguished University Scholar and Professor of Philosophy at the University of British Columbia, where he also holds appointments in the Departments of Psychology and Asian Studies and is Director of the Database of Religious History (religiondatabase.org). Dr. Slingerland is the author of several academic monographs, translations and edited volumes, two trade books, and approximately fifty book chapters, reviews, and articles in top academic journals in a wide range of fields.

ACADEMY OF ARTS AND HUMANITIES

STEPHENS, David A. | Department of Mathematics and Statistics, McGill University

David Stephens is a world leader in Bayesian statistics and causal inference. In addition to designing efficient computational techniques and sophisticated analytical tools for static and dynamic data, he brought crucial statistical expertise to the resolution of major issues in biostatistical and health research. His work on causal inference has also led to insights in causal mechanisms of complex diseases and better treatment protocols.

ACADEMY OF SCIENCE

STRADIOTTO, Mark | Department of Chemistry, Dalhousie University

Mark Stradiotto is a world-leader in the field of metal catalysis for assembling organic molecules, including the active pharmaceutical ingredients in medicines. His game-changing research has resulted in the development of the commercialized 'DalPhos' (DALhousie PHOSphine) catalysts, which are used widely in addressing important conceptual and practical challenges in the preparation of bioactive molecules, offering high performance and practicality, while encompassing considerations of sustainability.

ACADEMY OF SCIENCE

SUN, Shuhui | Institut national de la recherche scientifique, Center for Energy, Materials and Telecommunications

Shuhui Sun is an internationally renowned expert in clean energy technologies. He has made important contributions to overcoming critical challenges in the clean energy sector, particularly in green hydrogen production, hydrogen fuel cells, and high-energy, safe and long-life batteries. He serves as Executive Editor-in-Chief and an editorial board member for over ten international scientific journals. He is a Fellow of the Canadian Academy of Engineering.

ACADEMY OF SCIENCE

TOUYZ, Rhian | Department of Medicine, McGill University

Rhian Touyz, a clinician scientist, has spent her career unraveling molecular and vascular mechanisms of hypertension and cardiovascular disease. She is the Executive Director and Chief Scientific Officer of the Research Institute of McGill University Health Centre, the Canada Research Chair of Cardiovascular Medicine, and the McGill University and British Heart Foundation Emeritus Chair. She also directed the Cardiovascular Research Institute, Glasgow University, UK. She trained at Wits University, South Africa.

ACADEMY OF SCIENCE

URTASUN, Raquel | Department of Computer Science, University of Toronto

Raquel Urtasun is the worldwide leader in self-driving innovation, having spent the majority of her 25-year-long career pioneering the application of AI to build ground-breaking self-driving solutions that are safer, more efficient and sustainable. She has invented a revolutionary AI-first approach to the problem and is advancing cutting edge technologies that have driven extraordinary breakthroughs across all aspects of self-driving and radically changed the way autonomous driving systems work.

ACADEMY OF SCIENCE

VACHON, Brigitte | Department of Physics, McGill University
Brigitte Vachon is a distinguished scholar in subatomic physics, renowned for her groundbreaking investigations of particle collisions at the high energy frontier. Her innovative contributions to the development and application of novel instruments have driven significant advancements and led to major discoveries in the field. As an internationally recognized leader, she has played a pivotal role in shaping future research programs in subatomic physics, both nationally and internationally.

ACADEMY OF SCIENCE

VEITCH, Jennifer | Construction Research Centre, National Research Council Canada
Jennifer Veitch is one of the world's most influential environmental psychologists. Her ground-breaking lighting research of the past 30 years at the National Research Council of Canada has replaced anecdote and myth with quantitative, research-based evidence. This has significantly changed international lighting standards and the global research agenda, and provided critical evidence for the widespread adoption of healthier, more productive and energy-efficient indoor lighting environments at work and home.

ACADEMY OF SOCIAL SCIENCES

VERBEKE, Alain | Haskayne School of Business, University of Calgary
Alain Verbeke, the McCaig Chair in Management at the Haskayne School of Business, University of Calgary, is a renowned scholar in international business strategy. He has profoundly influenced academic thinking and managerial practice on governance of new resource combinations in multinational enterprises. Several of his novel concepts, including location-bound firm-specific advantages, subsidiary-specific advantages, bounded reliability, bifurcation bias, and regional strategy focus, are now widely used in multinational management thinking.

ACADEMY OF SOCIAL SCIENCES

VIRAG, Balint | Department of Mathematics, University of Toronto

Balint Virag is one of the world's foremost experts in probability theory. He has made groundbreaking contributions in a wide range of areas, including geometric group theory, random analytic functions, random matrix theory, and KPZ universality. The elegance and depth of his ideas continues to have a profound influence on current research activity throughout the field of probability.

ACADEMY OF SCIENCE

VOCADLO, David | Departments of Chemistry and Molecular Biology and Biochemistry, Simon Fraser University

David Vocadlo is a renowned chemical biologist who creatively uses chemistry to uncover the biological roles of carbohydrates. His pioneering research has yielded surprising discoveries, driven revision of dominant paradigms, and broadened our understanding of one of Nature's key building blocks. His work is illuminating the roles of carbohydrates in dreaded diseases, including cancer, Parkinson's, and Alzheimer's – where his research is being translated to drive commercial development of innovative therapeutics.

ACADEMY OF SCIENCE

WAY, Lucan Ahmad | Department of Political Science, University of Toronto

Lucan Ahmad Way is Distinguished Professor of Democracy at the University of Toronto. Called one of "the most prolific and respected scholars of democracy and dictatorship" by Foreign Affairs, Way has helped reshape both scholarly and popular understanding of the nature of authoritarianism and the threats to democracy during its current moment of peril.

ACADEMY OF SOCIAL SCIENCES

WEINSTOCK, Daniel | Department of Philosophy, McGill University

Daniel Weinstock holds the Katharine A. Pearson Chair in Civil Society and Public Policy at McGill University, where he holds appointments in the Faculty of Law, the Department of Philosophy, the Max Bell School of Public Policy, and the School of Population and Global Health. He has published widely in a broad range of topics in moral, political, and legal philosophy. In 2023, he was inducted into the Order of Canada.

ACADEMY OF ARTS AND HUMANITIES

WELLINGER, Raymund | Département de microbiologie et infectiologie, Université de Sherbrooke

Raymund Wellinger arguably is one of the most creative and impactful innovators in telomere research worldwide. He developed gold-standard methods for telomeric DNA analyses, and his work repeatedly forced the field into unanticipated new directions. His foundational contributions also prompted the merger of the fields of telomere biology, DNA repair and DNA recombination. Further, his discoveries with research on telomerase RNA yielded breakthrough concepts for ribonucleoparticle composition and regulation.

ACADEMY OF SCIENCE

WILHELM, Steven | Department of Microbiology, The University of Tennessee

Steven Wilhelm's research has advanced the study of microbes in aquatic systems, including the role(s) of viruses as drivers of marine and freshwater biogeochemistry. His work established the factors that control the physiological ecology of toxigenic cyanobacteria in fresh waters, the bioavailability of trace elements in seawater, and the use of molecular tools to characterize microbial community function across aquatic systems. He has made contributions in biogeochemistry, molecular ecology, oceanography and limnology.

ACADEMY OF SCIENCE

WILKINSON, Lori | Department of Sociology and Criminology, University of Manitoba

Lori Wilkinson is an internationally acclaimed researcher and advocate for immigrant populations. Her applied research in migration and refugee settlement has instigated policy changes in Canada that have facilitated the successful resettlement of refugees over the past twenty-five years. Her pioneering work on youth migration was a catalyst for policy reform that continues to impact how Canadian and international governments provide resettlement assistance.

ACADEMY OF SOCIAL SCIENCES

WRIGHT, Stephen | Department of Ecology and Evolutionary Biology, University of Toronto

Stephen Wright is a world leader in the application of genomics to the study of plant evolution. A pioneer in the nascent field of evolutionary genomics, Wright provided fundamental insights into the pace and intensity of natural selection across genomes and the genomics of adaptation. He helped solve the evolutionary puzzle of how and why sex chromosomes degenerate, and some organisms self-fertilize.

ACADEMY OF SCIENCE

College Members

ALARCON, Emilio | Department of Biochemistry, Microbiology and Immunology, University of Ottawa
Emilio Alarcon is a husband, father, immigrant, and a person with Autism. He is also a science communicator and fierce advocate for inclusion, diversity, equity, accessibility, and social justice. As an Associate Professor at the University of Ottawa and the University of Ottawa Heart Institute, his research program bridges fundamental and applied sciences to redefine the translational use of biomaterials in medicine for patients with failing organs and tissues.

ANDREWS, Nathan | Department of Political Science, McMaster University
Nathan Andrews is an internationally recognized expert on the global political economy of resource extraction and development. A widely sought-after consultant for organizations including the African Development Bank, Geneva Centre for Security Sector Governance, and Lheidli T'enneh First Nation in Northern BC, Andrews' innovative, award-winning work on corporate governance, the social licence to operate, stakeholder engagement, and hybrid security governance has had broad impact on research, policy, and practice.

ARETAKIS, Stefanos | Department of Computer and Mathematical Sciences, University of Toronto
Stefanos Aretakis is an Associate Professor in the Department of Computer and Mathematical Sciences at the University of Toronto Scarborough. He strives to prove rigorous mathematical theorems that provide fundamental insights into the structure of the natural world. He pioneered a groundbreaking discovery of a novel instability of black holes, known as the Aretakis instability. Recently, he uncovered new observational signatures for maximally charged/maximally rotating black holes.

ARJMAND, Mohammad | School of Engineering, The University of British Columbia

Mohammad Arjmand is a renowned and award-winning researcher in the fields of nanotechnology and polymer engineering. He is an Assistant Professor at the University of British Columbia, where he leads the Plastic Recycling Research Cluster. Dr. Arjmand's research focuses on synthesizing multifunctional nanomaterials, developing their assemblies, and creating polymer nanocomposites. He is a highly cited and well-funded researcher with strong collaborations across various industries in Canada.

AUGER-MÉTHÉ, Marie | Department of Statistics & Institute for Oceans and Fisheries, The University of British Columbia

Marie Auger-Méthé is a highly original interdisciplinary researcher whose work in the development and application of novel statistical methods provides impactful insights to the ecology, movement, health, and behaviour of animals, advancing fundamental scientific knowledge that is crucial in formulating effective wildlife management and conservation policies. Her research brings new insights into the responses of ecologically important species, particularly charismatic marine species, to global environmental changes.

BLAIN-MORAES, Stefanie | School of Physical and Occupational Therapy, McGill University

Stefanie Blain-Moraes (PhD, PEng) is an Associate Professor at McGill University and the Canada Research Chair (Tier II) in Consciousness and Personhood Technology. She has spearheaded major scientific advances in the assessment of human consciousness and in the creation of technologies that support the personhood of minimally communicative individuals. She is an award-winning teacher, and actively engages in public outreach through the arts, media, and partnerships with community organizations.

CHERNOVOL, Olha | Faculty of Law, University of Ottawa
Olha Chernovol is a Ukrainian citizen who left Kyiv in March 2022 due to the Russian invasion of Ukraine. Over the past several years, she has worked primarily on matters related to integrity due diligence, anti-corruption, anti-money laundering and financing terrorism. Since 2020, she has been a member of the Ukrainian National Bar Association, and she has seven years of experience in legal practice in different areas of law.

CLARE, Elizabeth | Department of Biology, York University
Elizabeth Clare is a global leader in biodiversity science. She popularized the use of DNA in feeding ecology and food web analysis, pioneered the use of DNA filtered from the air for targeted species monitoring and demonstrated how planetary air quality networks can monitor global biodiversity. She is a popular science communicator volunteering for multiple STEM mentoring groups and hosts the BioAudio podcast for university students.

COELHO, Leandro | Département d'opérations et systèmes de décision, Université Laval
Leandro C. Coelho is world-renowned expert and a Full Professor of logistics optimization at Université Laval. He has several years of experience in industrial projects in Canada and abroad related to logistics challenges, particularly in mobility and greenhouse gas emissions. He holds the Canada research chair in integrated logistics and is interested in applying logistics and optimization techniques for the benefit of business and society.

CORBIN, Joel | Metrology Research Centre, National Research Council Canada
Joel C. Corbin is an internationally recognized researcher in aerosol and climate science. By developing innovative techniques to measure and understand wildfire- and combustion-related air pollution, his research addresses the grand challenge of understanding the future of Canada's changing air quality and climate. At the same time, Dr. Corbin's results guide policymakers on decisions that mitigate climate warming and reduce the toxicity of the air we breathe.

DINH, Cao Thang | Department of Chemical Engineering, Queen's University

Cao Thang Dinh is an Assistant Professor and Canada Research Chair (Tier II) in the Department of Chemical Engineering at Queen's University. A laureate of the 2023 Falling Walls Science Breakthrough of the Year, Dr. Dinh is recognized as an emerging leader in carbon capture and conversion. His groundbreaking work on stable electrochemical systems for converting carbon dioxide into fuels and chemicals has laid the foundation for the rapid advancement of this technology.

DUBOIS, Elizabeth | Department of Communication, University of Ottawa

As the University Research Chair in Politics, Communication and Technology, Elizabeth Dubois is internationally recognized for her pioneering research, public policy engagement, and creative knowledge mobilization activities. Her award-winning research responds to pressing societal and policy needs related to topics such as political bots and artificial intelligence, the flow of political (dis)information, public opinion development, digital literacy, citizenship, and elections. Dr. Dubois received her doctorate from the University of Oxford.

DUERDEN, Emma | Department of Education, Western University

Emma Duerden is a Canada Research Chair in Neuroscience and Learning Disorders and leads the Developing Brain research program. An Associate Professor at the University of Western Ontario, she earned her Bachelor's degree from McGill University (Psychology), trained at the Montreal Neurological Institute for her Master's (Neuroscience), completed her PhD at the Université de Montreal (Neuroscience) and her postdoctoral training at the Hospital for Sick Children (Developmental Paediatrics). Her research focuses on early life adversity and brain development.

ERTZ, Myriam | Département des sciences économiques et administratives, Université du Québec à Chicoutimi
Professor of Marketing, Director of LaboNFC *(Laboratoire de recherche sur les Nouvelles Formes de Consommation)*, and Tier 2 Canada Research Chair in Technology, Sustainability and Society, Myrian Ertz's world-class contributions have deepened our understanding of responsible consumption and marketing, collaborative consumption and the collaborative economy, the circular economy, digital marketing, and of technology and innovation, including Industry 4.0.

ESTILL, Laura | Department of English, St. Francis Xavier University
Laura Estill is a Tier 2 Canada Research Chair in Digital Humanities and Professor of English at St. Francis Xavier University. Her research explores the reception of early modern English drama from its early print, manuscript, and performed contexts to today's online and classroom environments. Estill's award-winning research and teaching demonstrates how to use digital tools to ask questions about our past, our society, and our thinking and learning.

FAROOQUE, Aitazaz | Canadian Centre for Climate Change and Adaptation, University of Prince Edward Island
Aitazaz Farooque is serving as a Professor and Director at the Canadian Centre for Climate Change and Adaptation, University of Prince Edward Island. Aitazaz's research focuses on the development of climate-smart technologies for Canadian agriculture. Aitazaz has co-authored over 150 peer-reviewed articles and delivered many keynote/invited talks at international forums. Aitazaz has received various national awards in recognition of his exceptional contributions. Aitazaz has garnered over $18M in research funding and trained a significant number of highly qualified personnel.

GREEN, Stephanie | Department of Biological Sciences, University of Alberta

Stephanie Green is an internationally recognized expert on biodiversity conservation in aquatic ecosystems. Dr. Green combines field, lab, and modeling techniques to investigate how human-mediated stresses such as biological invasion and climate change alter marine and freshwater food webs. Her collaborative, multidisciplinary research with scientists, policy makers, and non-profit organizations in over 20 countries has been recognized with the Earth Leadership Fellowship and a Sloan Research Fellowship in Ocean Sciences.

HILLIER, Sean | School of Health Policy & Management, York University

Sean Hillier is a Mi'kmaw scholar, member of the Qalipu First Nation and York Research Chair in Indigenous Health Policy & One Health. He is an internationally recognized thought leader in Indigenous health policy. He engages respectfully with Indigenous communities and their ways of knowing in developing and reforming health and research policies, especially in relation to HIV and One Health, to improve health outcomes for Indigenous Peoples.

HOSSEIN, Caroline | Department of Global Development Studies, University of Toronto Scarborough

Caroline Shenaz Hossein is Associate Professor of Global Development Studies at the University of Toronto Scarborough and founding member of the Diverse Solidarity Economies Collective (DISE), amplifying the solidarity economies of marginalized populations. She holds a Canada Research Chair Tier 2 in Africana Development & Feminist Political Economy and an Ontario Early Researcher Award. She has seven published books, including such titles as, *The Banker Ladies, Politicized Microfinance* and *Beyond Racial Capitalism.*

HUG, Laura | Department of Biology, University of Waterloo
Laura Hug, Associate Professor and Canada Research Chair at the University of Waterloo, is an internationally recognized scholar in environmental microbiology. Dr. Hug's work using multi omics approaches on landfill microbiomes has contributed to real-world solutions for anthropogenic environmental impacts. Dr. Hug's work was featured in major news outlets including the *New York Times* and *The Atlantic*, and she appeared as a science expert for *TFO* and *BBC Radio*.

JANTCHOU, Prévost | Département de pédiatrie, Université de Montréal
Prévost Jantchou is a clinical researcher at CHU Sainte-Justine and a Professor in the Department of Paediatrics in the Faculty of Medicine at the Université de Montréal. His research programme focuses on inflammatory bowel disease, environmental risk factors and improving the quality of patient care. He has set up a programme to develop and support medical students' research skills. Founding president of the INSPIRE Foundation, his mission is to increase diversity in medicine and research.

JENABIAN, Mohammad-Ali | Département des sciences biologiques, Université du Québec à Montréal
Mohammad-Ali Jenabian is a Full Professor and the holder of the CIHR Canada Research Chair in Immuno-Virology at the Université du Québec à Montréal (UQAM). Recognized for his multidisciplinary translational research and insights into the mechanisms of immune dysregulation and accelerated aging, as well as viral persistence in people living with HIV, this basic research scientist is a leading authority in the field of viral immunology.

KADDOUM, Georges | Département de génie électrique, École de technologie supérieure
Georges Kaddoum, a globally celebrated authority in the field of wireless communications, is highly acclaimed for his groundbreaking contributions to adaptive modulation and resource management. His prolific portfolio of over 300 publications and 13,400+ citations underscore his profound influence in the field. Professor Kaddoum's dedication to mentoring and his key editorial roles in esteemed IEEE journals vividly demonstrate his unwavering commitment to advancing the frontiers of wireless communications.

KHO, Michelle | School of Rehabilitation Science, McMaster University

Michelle Kho is Canada's most academically accomplished physiotherapist and clinician-scientist in critical care. A leading thinker in rehabilitation science following critical illness, she has made novel scientific contributions with global impact. Dr. Kho has spearheaded ambitious international clinical trials and advanced new rehabilitation research methods to improve the recovery of critical illness survivors. Committed to excellence in clinical scholarship, her methodological expertise informs national and international practice guidelines.

KING, Kayla | Departments of Zoology and Microbiology & Immunology, The University of British Columbia

Kayla King is a Professor and Canada Excellence Research Chair at UBC. She is an expert on the ecology and contemporary evolution of host-parasite interactions. Her research seeks to understand how host and parasite species coevolve, as well as to study the impact of biodiversity and environmental conditions on parasite transmission and virulence over time. Her findings have helped advance our understanding of adaptation and wildlife health in a changing world.

KOUSSENS, David | Faculté de droit, Université de Sherbrooke

David Koussens is a Full Professor in the Faculty of Law at the Université de Sherbrooke. A multidisciplinary jurist, he has held the Law, Religion, and Secularism Research Chair since 2012. His work, which has earned him international recognition and numerous awards in Canada and abroad, explores the evolution of the legal models of secularism and the management of religious pluralism in liberal democracies. He has published *L'épreuve de la neutralité* (Bruylant, 2015) and *Secularism(s) in Contemporary France* (Springer, 2023).

LEMIRE, Mélanie | Département de médecine sociale et préventive, Université Laval

Mélanie Lemire is renowned for her community-based research projects dealing with environmental contaminants, oceanic change, and nutrition in relation to the health of Indigenous peoples and coastal populations. She is the designated expert for Canada on the Human Health Assessment Group of the Arctic Monitoring and Assessment Programme (HHAG-AMAP). Dedicated to finding solutions for a healthier, fairer and more sustainable planet, her work is used to develop programmes and policies at the local, federal and international level. She is also co-founder of the *Mange ton Saint-Laurent* collective, which advocates for innovative solutions which would bring the exceptional resources of the St. Lawrence River back to the plates of Eastern Canada.

LEWIS, Stephen | Department of Psychology, University of Guelph

Stephen Lewis is a Research Leadership Chair and Professor in the Department of Psychology at the University of Guelph. His research program centres people's lived experience of non-suicidal self-injury and related mental health difficulties. An internationally renowned researcher and advocate, he challenges dominant theoretical and clinical paradigms with a resulting impact reaching far beyond academia to shape social media policy, create practical training, and empower individuals to work toward recovery.

LI, Xia | Department of Chemical and Materials Engineering, Concordia University

Xia Li is an Associate Professor of Chemical and Materials Engineering, Concordia University Research Chair in high-energy rechargeable batteries, and Associate Director of the Concordia Collaborative Centers on Energy and its Transition (C2ET). Dr. Li's research focuses on developing advanced materials for energy storage devices such as lithium-/sodium-based batteries and solid-state batteries, with the goal of understanding the synthesis-structure-performance relationship and applying that fundamental understanding to new battery technologies.

LIVERNOIS, Jonathan | Département de littérature, théâtre et cinéma, Université Laval

Considered one of the most relevant minds of his generation, Jonathan Livernois is an essayist, researcher and Full Professor at Université Laval. His work on the literary and intellectual history of nineteenth- and twentieth-century Quebec explores the complex relationship between literature and politics, and appeals to both academic and lay audiences. A history columnist for Radio-Canada and a regularly invited expert in the media, he is the author and co-author of several books, including the award-winning essay *Entre deux feux. Parlementarisme et lettres au Québec.*

MAGNAN, Marie-Odile | Département d'administration et fondements de l'éducation, Université de Montréal

Marie-Odile Magnan is a Full Professor in the Faculty of Education at the Université de Montréal. She holds the Chair in Ethnic Relations and is Director of the FRQSC Inclusion and Ethnocultural Diversity in Education team. Her research, recognised internationally for its impact on the transformation of school institutions, focuses on EDI policies and practices of educational staff, as well as on academic inequalities from primary to post-secondary education, as recounted by young people and staff from racialized groups.

MAMMEI, Juliette | Department of Physics and Astronomy, University of Manitoba

Juliette Mammei is an Associate Professor in the Department of Physics and Astronomy at the University of Manitoba, where she is internationally recognized in the field of parity-violating electron scattering. She studies nuclear and nucleon structure and tests the Standard Model of Particles and Interactions. Dr. Mammei is dedicated to improving First Nations student outcomes and is an advocate for nuclear physics education and equity, diversity, and inclusion within Canada.

McCARTNEY, Shelagh | School of Urban and Regional Planning, Toronto Metropolitan University

An award-winning architect and scholar, Shelagh McCartney's innovative partnership-based work addresses complex housing issues across Canada to build community wellness. She is best known for collaborations with First Nations in Northern Ontario and the NWT to co-create housing solutions that support community wellbeing and self-determination, resulting in the first regional First Nations led housing strategy in Canada. She was elected Fellow of the Royal Architectural Institute of Canada in 2021.

MILLER, Matthew | Department of Biochemistry and Biomedical Sciences, McMaster University

Matthew Miller is an internationally-renowned expert in viral pandemics and vaccinology at McMaster University. He has made significant contributions to pandemic preparedness and the development of broadly-protecting vaccines and therapeutics against pathogens like influenza virus and SARS-CoV-2. His unique approaches to therapeutic development, including inhaled delivery of vaccines and therapeutics to treat and prevent respiratory infections, has been paradigm-shifting.

MIRON, Véronique | Department of Immunology, University of Toronto

Véronique Miron is the John David Eaton Chair in Multiple Sclerosis (MS) Research at Unity Health Toronto and Full Professor at the University of Toronto. She conducts world-leading research on how the insulation surrounding nerve fibres in the central nervous system, called myelin, is supported in health and degenerated or malformed in common neurological conditions like MS or cerebral palsy. Her findings delineate new pathways to treat neurological conditions.

NOORI, Narges | Department of Art and Design, University of Alberta

Narges Noori is an author and illustrator whose children's picture books focus on empowering women. With over eight years as an instructor at Kabul University's fine arts faculty and a background in graphic design, she dedicated her career to education and art. Her work includes illustrating for various publishers and creating influential books for young readers. Amidst the Taliban's rise, she received a fellowship from the Artists at Risk Program and is now in residence at the University of Alberta.

PEARSE, Linda | Department of Music, Mount Allison University

Linda Pearse fuses insight from the performance of early art music with archival research to create intercultural artistic works and scholarly publications that offer opportunities for impactful public-facing outreach. As the Canada Research Chair in Music, Contact, and Conflict, Pearse's interdisciplinary research network cultivates nuanced understandings of musical and sonic entanglements between early modern cultures, and related aspects of identity and intercultural relationship in ways that resonate with contemporary issues.

PLANTE, Isabelle | Didactique, Université du Québec à Montréal

Isabelle Plante is a Full Professor in the Department of Didactics at UQAM, where she studies how the psychosocial and school adjustment of young people impacts the schooling experience of elementary and high-school boys and girls. As holder of the Canada Research Chair on Gender Differences in School, her publications, engagement activities with schools and regular media appearances have produced significant scientific, educational and social benefits.

PRASAD, Ajnesh | EGADE Business School, Technologico de Monterrey

Ajnesh Prasad is a Canadian social scientist and the GIEE Chair in Leadership and Organizational Effectiveness at Tecnologico de Monterrey's EGADE Business School in Mexico City, Mexico. A past holder of a Canada Research Chair, he is an internationally recognized scholar in the area of equity, diversity, and inclusion in organizations. An engaged and prolific researcher, his scholarship leverages contemporary social thought to identify strategic paths by which to undo institutionalized cultural inequalities and make organizations more inclusive spaces.

PUGH, Trevor | Department of Medical Biophysics, University of Toronto

Trevor Pugh is a world-leading cancer researcher and clinical molecular geneticist at the forefront of precision medicine. As holder of the Canada Research Chair in Translational Genomics, he uses genome sequencing to understand causes of cancer, guide treatment of patients, and detect early disease using blood tests. Key to this work are global collaborative networks that enable knowledge gained from treating each patient to improve the treatment of everyone.

RASH, Joshua | Department of Psychology, Memorial University of Newfoundland

Joshua Rash is a leader in Clinical Health Psychology whose research has made a profound impact on people living with chronic conditions. His innovative work bridges many fields, including Psychology and Medicine where he has made enduring contributions to the well-being of people with pain, mental health and substance use concerns. His research has influenced government agencies, and improved equitable access to an integrated continuum of mental health services.

REID, Andrea | Institute for the Oceans and Fisheries, The University of British Columbia

Andrea Reid is a Nisga'a citizen and scientist engaged in community-partnered work on fish and fisheries, critically examining their pasts and envisioning just futures. Her research and teaching, based out of the Nass River Valley, centre approaches that are intergenerational, land-based, and relational. Dr. Reid is a Canada Research Chair in Indigenous Fisheries Science, leading the Centre for Indigenous Fisheries at The University of British Columbia.

ROBINSON, Dylan | School of Music, The University of British Columbia

Dylan Robinson is a world-recognized authority on Indigenous music, public art, and performance and their engagements with settler colonial politics of reconciliation and redress. His interdisciplinary scholarship, curatorial work, and facilitation of collaborative gatherings have cut new trail in understanding Indigenous sonic culture and other expressive arts and their work in the world. His research and practice have guided global conversations about Indigenous cultural heritage and artistic production.

ROGERS, Maria | Department of Psychology, Carleton University

The long-term outcomes of psychological disorders in childhood are significant, including unsustainable employment, lower socio-economic status, and poorer overall physical health. Maria A. Rogers, Canada Research Chair in Child and Youth Mental Health and Well-being, is internationally recognized for her community-engaged research that advances the study of neurodevelopmental and mental health disorders in early life stages. Rogers' scholarly and clinical work directly and positively impact Canada's children and youth.

SADARANGANI, Manish | Department of Pediatrics, The University of British Columbia

Manish Sadarangani is an international expert in translational vaccinology, whose work uniquely encompasses laboratory, clinical and epidemiologic research. His scientific expertise enables him to respond quickly to changing priorities to tackle diverse knowledge gaps rapidly and produce high quality research findings to inform policy. Specifically, his research improves understanding of immune responses to vaccination, identifies high-risk groups to target immunization programs, and evaluates vaccine effectiveness to inform evidence-based policy.

SALAMI, Oluwabukola | Department of Community Health Sciences, University of Calgary

Bukola Salami is a Professor at the Department of Community Health Science, University of Calgary. She has been involved in over 90 studies totalling around $250 million. She is a nationally and internationally recognized leader in Black peoples health and immigrant health whose work has contributed to the creation of the first mental health clinic for Black Canadians in Western Canada and the first fully interdisciplinary university-based mentorship program for Black youths in Canada.

SEOW, Hsien | Department of Oncology, McMaster University

Hsien Seow is the Canada Research Chair in Palliative Care and Health System Innovation and a Professor in the Department of Oncology, McMaster University. He publishes healthcare and policy research focused on improving care for patients with serious illness. He is the co-author of *Hope for the Best, Plan for the Rest: 7 keys for navigating a life-changing diagnosis*, and the co-host of *The Waiting Room Revolution* podcast.

SHAH, Jai | Department of Psychiatry, McGill University
Jai Shah is Associate Professor at the Douglas Hospital and McGill University. Working with a range of stakeholders, he is an international leader in understanding trajectories from early phases of mental health problems to severe mental illnesses such as psychosis. His efforts have advanced transdiagnostic perspectives and clinical staging in psychiatry, and are influencing the design of early intervention and youth mental health service systems in Canada and beyond.

SHARIFF, Azim | Department of Psychology, The University of British Columbia
Azim Shariff is a Professor and Canada 150 Research Chair in the Department of Psychology at the University of British Columbia. He is one of the world's leading young scholars in the areas of social psychology. He has gained international acclaim for his research, which delves into subjects such as the connection between religion and morality, and the way that people emotionally and intellectually react to emerging technologies.

SHASTRI, Bhavin | Department of Physics, Engineering Physics & Astronomy, Queen's University
Bhavin Shastri, a Canada Research Chair in Neuromorphic Photonic Computing, explores new forms of computing by integrating photonics, artificial intelligence, and quantum information. He serves as Co-Director of NUCLEUS, a pan-Canadian photonic computing program funded by NSERC CREATE. He received the 2022 SPIE Early Career Award and the 2020 IUPAP Young Scientist Prize in Optics "for his pioneering contributions to neuromorphic photonics," a term he co-coined.

SHERREN, Kate | School for Resource and Environmental Studies, Dalhousie University

Kate Sherren is a Professor of Environmental Social Science at Dalhousie University focusing on the human dimensions of natural resource management and landscape change. Dr. Sherren's innovative approach leverages theory and visual methods to tackle a range of critical sustainability challenges such as sustainable agriculture, renewable energy, coastal adaptation and urban form. A compelling communicator committed to mobilizing research, she enriches important societal conversations with social science insights.

SKIBSRUD, Johanna | Department of English, University of Arizona

Johanna Skibsrud is the author of numerous works of fiction, poetry and non-fiction including the Scotiabank Giller Prize winning novel *The Sentimentalists* and, most recently, the essay collection *Fool* (Routledge 2024) and a poetry collection, *Medium* (Book*hug 2024). Born in Nova Scotia, she completed her PhD in English Literature at the *Université de Montréal* and is currently Professor of English and Creative Writing at the University of Arizona.

STARK, Heidi Kiiwetinepinesiik | School of Indigenous Governance, University of Victoria

Heidi Kiiwetinepinesiik Stark's innovative approaches to Indigenous law and governance have advanced the restoration of Indigenous political authority and jurisdiction. Centring Anishinaabe political thought, her work transforms our understandings of treaty and promotes a radical ethic of relationality for how we live together as treaty partners, as communities within which conflict and harms arise and as humans in relation with the environment.

TWOREK, Heidi | Department of History & School of Public Policy and Global Affairs, The University of British Columbia

Heidi Tworek is Canada Research Chair, Professor of History and Public Policy, and Director of the Centre for the Study of Democratic Institutions at the University of British Columbia, Vancouver. Multi-award-winning author of one book and over 45

journal articles and book chapters, Tworek researches the global history and policy of communications and media. She is a Senior Fellow at the Centre for International Governance Innovation.

WHITE, Martha | Department of Computing Science, University of Alberta

Martha White is an Associate Professor of Computing Science at the University of Alberta and a Fellow of Amii. She holds a Canada CIFAR AI Chair, a Tier 2 Canada Research Chair in Reinforcement Learning and received IEEE's "AIs 10 to Watch: The Future of AI" award in 2020. Her research focus is on developing algorithms that learn to adapt continually, with a focus on more sustainable systems.

ZHANG, Ning | Department of Electrical and Computer Engineering, University of Windsor

Ning Zhang is an Associate Professor and Canada Research Chair in Internet of Vehicles at University of Windsor. He is internationally renowned for his outstanding contribution to the performance analysis and optimization of connected vehicles and wireless networks. His research has been widely recognized in the global research community. His accomplishments include being an IEEE Distinguished Lecturer, a Highly Cited Researcher, and the recipient of numerous best paper awards.