College Members

AFOLABI, Taiwo | Faculty of Media, Art and Performance, University of Regina

Taiwo Afolabi is an interdisciplinary artist-researcher of African descent with internationally recognized expertise in applied theatre focusing on social justice, human rights, decolonization, and anti-racism education among Indigenous, immigrants, and marginalized communities. Through global theatre initiatives/publications, his practice-based research encompasses issues of public health education, Sustainable Development Goals, African theatre, ethnography, and arts/health research. He was the founding artistic director of Theatre Emissary International, currently the Director of the Centre for Socially Engaged Theatre, and a CRC in Socially Engaged Theatre.

RSC College

AKBARI, Mohsen | Department of Mechanical Engineering, University of Victoria

Mohsen Akbari, an internationally renowned researcher, has made groundbreaking contributions to tissue engineering and disease modeling using advanced materials. His innovations include a handheld bioprinter, self-filling microwell arrays for tumor organoids, and smart microcarriers for cell manufacturing. With over 130 journal papers and book chapters to his name, his work has been featured on the covers of 11 prestigious journals and recognized by +50 media outlets worldwide.

RSC College

AL ABOUD, Odae | School of Mathematics and Statistics, Carleton University

Odae Al Aboud is a leading professor specializing in information theory, coding theory, and combinatorics. His extensive research in these domains has greatly influenced the field and has been recognized for its significant contributions. His comprehensive knowledge also spans the realms of data science and policy-making, where he employs cutting-edge modeling, machine learning, and artificial intelligence techniques to extract invaluable insights from complex datasets. By combining his passion for driving innovation and shaping evidence-based policies, He brings a wealth of knowledge and experience to positively influence society.

RSC College

ALLARD-TREMBLAY, Yann | Department of Political Science, McGill University

Yann Allard-Tremblay, a member of the Huron-Wendat First Nation, is an Assistant Professor in Political Science at McGill University. His transdisciplinary research explores the decolonization of Indigenous political theory. Centering Indigenous lifeways and political practices in his scholarship, he challenges ongoing colonial dynamics in political thought that silence and distort Indigenous views.

RSC College

ARRIETA, Marie-Claire | Departments of Physiology & Pharmacology and Pediatrics, University of Calgary

Marie-Claire Arrieta is an Associate Professor and Research Excellence Chair in the Departments of Physiology and Pharmacology, and Pediatrics at the University of Calgary. She is an international emerging leader at the intersection of the human microbiome field. Her research program studies the establishment of the microbiome during early life and its influence in pediatric immune, metabolic and neurological development. Her group's work is disseminated in top journals, meetings and through responsible and effective communication with the public.

RSC College

BAULCH, Helen | School of Environment and Sustainability, University of Saskatchewan

Helen Baulch is an award-winning instructor and researcher. Her work centers water security, most notably water quality, and she works with decisionmakers to guide research, and advance efforts to address the growing water quality crisis in Canada. Her focus is on issues of nutrient pollution and blooms, with broader interdisciplinary and transdisciplinary research and teaching aimed at understanding pathways towards more sustainable agricultural and environmental management practices.

RSC College

BAZALOVA-CARTER, Magdalena | Department of Physics and Astronomy, University of Victoria

Magdalena Bazalova-Carter is Tier 2 Canada Research Chair in Medical Physics and Associate Professor at the University of Victoria. An internationally recognized leader, she integrates physics and medicine to advance scientific knowledge and health care applications of novel cancer radiotherapy technologies. Her research is leading to radiotherapy with better treatment outcomes, less damage to healthy tissues, lower cost and greater global accessibility.

RSC College

BECK, Lauren | Centre for Early Modern Visual Culture, Mount Allison University

Lauren Beck's research exposes the coloniality of our visual culture that shapes and constrains our identities through social and mass media of any period. She pioneers new ethnographic material means of de-centering the western epistemologies and perspectives that uphold white supremacy and patriarchy to shine light on marginalized peoples and their agency—from women and people of colour to Indigenous peoples—and to amplifying their voices and experiences.

RSC College

BERARDI, Umberto | Faculty of Engineering and Architectural Science, Toronto Metropolitan University

Umberto Berardi, Canada Research Chair in Building Science, is transforming the building industry by using new technology (phase change materials and aerogels) to develop sustainable building facades that are more resilient and energy efficient. A Fellow of the International Association of Advanced Materials, and a multi-award winner, he is celebrated for developing super-insulating materials that guarantee a high thermal resistance at a fraction of the thickness of traditional materials.

RSC College

BOVY, Jo | Department of Astronomy and Astrophysics, University of Toronto

Jo Bovy is elected to the Fellowship in recognition of his contributions to our understanding of the history, structure, dynamics, and content of the Milky Way galaxy.

RSC College

BROWN, Carissa | Department of Geography, Memorial University of Newfoundland

Carissa Brown is making internationally acclaimed research advances in ecology and biogeography, specifically climate change impacts on species distributions and fire in the boreal forest. She focuses on plant systems that are currently experiencing notable changes to their climate, developing models that predict how these changes will impact vegetation dynamics. Her research in the subarctic on the treeline expansion is crucial to the ecology of northern ecosystems and dependent communities.

RSC College

BURCHELL, Ann | Department of Family and Community Medicine, University of Toronto

Ann Burchell is Canada Research Chair in Sexually Transmitted Infection (STI) Prevention, Scientist at Unity Health Toronto, and Associate Professor in the University of Toronto Department of Family and Community Medicine. She leads Lana School of Public Health. She leads internationally-recognized research on how to improve STI prevention and care, and reduce complications from STIs. Her findings are incorporated in national and international STI prevention and control guidelines.

RSC College

CARON-HUOT, Simon | Department of Physics, McGill University

Simon Caron-Huot is a theoretical physicist internationally renowned for his contributions to particle physics. A Canada Research Chair, his work aims to illuminate the mathematical laws which the Universe appears to follow at the shortest of distances. He pioneered analytic techniques to exploit self-consistency to describe strongly interacting systems, established the consistency of scattering amplitudes, and is known for developing an "inversion" formula that captures the critical exponents of diverse scale-invariant systems.

RSC College

CARTER, Christine | School of Music, Memorial University of Newfoundland

Christine Carter is an internationally recognized clarinetist and recording artist. Known for visionary interdisciplinary projects, she has performed at prestigious venues around the world, from Carnegie Hall to the Sydney Opera House. An Associate Professor at Memorial University, Dr. Carter is also a sought-after expert in performance psychology. As a researcher and workshop presenter, she has helped thousands of musicians worldwide become more effective on stage and in practice.

RSC College

CHAKRAVARTY, Mallar | Department of Psychiatry, McGill University

Mallar Chakravarty is an award-winning computational neuroscientist. His foundational contributions in neuroimaging have been used to study neuroanatomy, population-level brain variation, and model systems of brain disease by integrating techniques from data science, neuroscience, and molecular biology. His multi-scale and -disciplinary approach have demonstrated novel associations between behavior, whole brain phenotypes, and their putative cellular and molecular underpinnings. His internationally recognized research has resulted in >330 publications and >25,000 citations.

RSC College

COLOMBO, Stefanie | Department of Animal Science & Aquaculture, Dalhousie University

Stefanie Colombo, Dalhousie University's Tier I Canada Research Chair in Aquaculture Nutrition, directly impacts Canadian farmed seafood by developing novel solutions in fish nutrition. Through development of environmentally sustainable feeds, her work helps to minimize aquaculture's environmental footprint and maintain nutrient benefits for the fish and consumers. She is fundamentally influencing the food Canadians eat, increasing omega-3 content in salmon fillets for the benefit of consumers.

RSC College

CÔTÉ, Marceline | Department of Biochemistry, Microbiology, and Immunology, University of Ottawa

Marceline Côté is the Tier II Canada Research Chair in Molecular Virology and Antiviral Therapeutics and an internationally recognized leader in the field of viral entry inhibitors. Her work has revealed critical factors involved in viral infection and virus entry and has identified novel broad-acting inhibitors that could be used for the development of urgently needed broad spectrum antiviral therapies.

RSC College

CRANSTON, Emily D. | Departments of Wood Science and Chemical and Biological Engineering, The University of British Columbia

Emily D. Cranston is a Professor and President's Excellence Chair in Forest Bioproducts at the University of British Columbia. She is a world-leading nanoscientist. Her research is expanding the use of nanocellulose, a renewable and sustainable bio-based resources like wood pulp, in technologies that offer environmentally friendly alternatives to petrochemical-based materials and plastics. Cranston is highly cited, highly funded, and has won prestigious awards typically reserved for late career scientists.

RSC College

CROMPTON, Constance | Department of Communication, University of Ottawa

As the Canada Research Chair in Digital Humanities, Constance Crompton is internationally recognized for her innovative research methods, bringing together computational, digital methods and social justice. Her award-winning research has significant implications for scholars and accessing digital knowledge–the development of sustainable and interconnected humanities-backed data shapes not only what Web-using scholars and citizens can know about the past, but also how to make evidence-based decisions for the future.

RSC College

DIMITROPOULOS, Gina | Faculty of Social Work, University of Calgary

Gina Dimitropoulos is an Associate Professor of Social Work and cross appointed to the Departments of Psychiatry and Pediatrics at the University of Calgary. She is a global expert on eating disorders and youth mental health. She has pioneered innovative treatments and novel psychotherapies for youth with eating disorders and mental health issues across community and clinical contexts. Her treatment development and knowledge mobilization approaches centre youth and families are co-creators in the research process. She fosters national and international partnerships to drive research with a translational impact on policy and practice. She is leading studies on early interventions, transitions in care, shared interventions and family-based treatments for youth and emerging adults with eating disorders.

FIEST, Kirsten | Department of Critical Care Medicine, University of Calgary

Kirsten Fiest leads an internationally recognized research program as an Associate Professor of Critical Care Medicine at the Cumming School of Medicine at the University of Calgary. She has over 200 publications, 10,000 citations, and an H-index of 50. She is leading the field in integrating families into patient care in the ICU, improving care for critically ill patients and their families.

HEOFFROY, Marie-Claude | Department of Psychiatry, McGill University

Marie-Claude Geoffroy is a professor in Educational and Counselling Psychology at McGill University, Canada Research Chair (II) and psychologist. Her research focuses on youth mental health, suicide risk and protective factors, developmental origins, and most importantly, suicide prevention. Her work contributes to raising awareness about the current youth mental health crisis and building hope. She has had an impact on the government of knowledge, practice of psychology and public health.

GHARZEDDIN, Sofiah | Department of Biology, Carleton University

Kifah Gharzeddin is a crop breeder with focus on agronomically improving legumes yield to enhance food production in the face of poverty. Dr. Gharzeddin's research has contributed to food access and legume crops diversity in Syria. His career features highly productive partnerships with research institutes and government agencies disseminating environmental agricultural practices worldwide including regions with challenging climate. Pressing on under conditions of war, Gharzeddin's contribution for farmers has been widely recognized.

GIWA, Sulaimon | School of Social Work, Memorial University of Newfoundland

Sulaimon Giwa has an international reputation for his community-engaged research in forensic social work, race and sexuality, and the effects of structural racism on racialized and LGBTQ2S+ people. Among other innovative contributions, he has raised awareness of the marginalization of LGBTQ2S+ newcomers and improved organizational capacity to meet their needs. His efforts have influenced the policies and practice of several partner organizations including the Association for New Canadians.

GREEN, Jessica | Department of Political Science, University of Toronto

Jessica Green is an international leader in global governance and climate policy. Working as an interdisciplinary scholar at the environment at the nexus of international law, international relations and public policy, she produces groundbreaking research examining the origins of private authority in environmental governance, the effectiveness of carbon markets, and the role of international trade and finance institutions in creating the conditions for rapid decarbonization.

GREER, Amy | Department of Population Medicine, University of Guelph

Amy Greer, Canada Research Chair (Tier II) in Population Disease Modelling and Associate Professor is an internationally recognized scholar dedicated to improving global infectious disease preparedness and response. Her research focuses on the interaction of epidemiology, ecology, and mathematics. The impact of her work is felt across sectors and borders preparing governments and industry to act quickly and decisively when the next outbreak hits human or animal populations.

GROSSMANN, Igor | Department of Psychology, University of Waterloo

Igor Grossmann is a USERN Prize winner, Fellow of the Society for Personality and Social Psychology, and one of the world's leading experts on wisdom, judgment, and cultural evolution. As the founder of the Behavioral and Social Science Forecasting Collaborative and host of the Outlook podcast, he builds interdisciplinary initiatives across a spectrum of disciplines and translates his internationally lauded research into accessible knowledge dissemination activities relevant to our global community.

HARRISON, Joe | Department of Biological Sciences, University of Calgary

Joe Harrison is a Professor in the Department of Biological Sciences and Canada Research Chair in Biofilm Microbiology and Genomics at University of Calgary. He has made major contributions to the field of microbiology, biochemistry, and molecular genetics through the study of biofilms. His discovery of heat-sensing enzymes and biofilm susceptibility to toxic metals inform new approaches in chronic infectious diseases treatments.

HARTLING, Lisa | Department of Pediatrics, University of Alberta

Lisa Hartling holds a Canada Research Chair (Tier 1) in Knowledge Synthesis and Translation; and is a Distinguished Investigator with the Stollery Science Lab. She is internationally recognized for integrating the best available scientific evidence to support decision-making in health. She produces evidence-based resources that are used globally by front-line healthcare providers, policy-makers, and parents and families.

HERBERT, David | Department of Chemistry, University of Manitoba

David Herbert is a Professor in the Department of Chemistry at the University of Manitoba, where his scholarship addresses the critical issue of sustainability in molecular materials through ligand design and synthetic and mechanistic approaches. Both inside and outside the lab, he is a strong advocate for science communication and promoting research opportunities to equity-seeking people, including through outreach that connects high school students with socially meaningful research.

KAKURU, Doris | School of Child and Youth Care, University of Victoria

Doris Kakuru is a Professor in Child and Youth Care at the University of Victoria's Faculty of Human and Social Development. She is a leading scholar on African girlhoods. She works on various themes in the broad area of children's geographies and their bearing on social justice and child protection. Her current work focuses on adolescent sexual and reproductive health and rights, young motherhood, and violence against children and youth.

KELETA-MAE, Hulu | Department of Communication Arts, University of Waterloo

Naila Keleta-Mae is a Dorothy Killam Fellow, the Canada Research Chair in Race, Gender, and Performance (Tier II), an Associate Professor in the Department of Communication Arts at the University of Waterloo, and a multidisciplinary artist. She is the Principal Investigator of Black Girl Free—a research-creation project that brings together artists, academics, students, general publics, and private and public sector partners to examine Black expressive culture through research, scholarship, and art.

KIVELL, Tracy | Department of Human Origins, Max Planck Institute for Evolutionary Anthropology

Tracy Kivell is a Canadian palaeoanthropologist and Director of the Department of Human Origins at the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany. Her research combines comparative anatomy, biomechanics, high-resolution imaging, and the study of living apes to address fundamental questions about human evolution, including the emergence of bipedalism and tool use in our hominin lineage. Kivell has worked on renowned human fossils from South Africa to Indonesia.

LANGLOIS, Valérie S. | Centre Eau Terre Environnement, Institut national de la recherche scientifique

Valérie S. Langlois is a Full Professor at the Centre Eau Terre Environnement of the Institut national de la recherche scientifique and holds the Canada Research Chair in Ecotoxicogenomics and Endocrine Disruption, a rapidly expanding field. She is the Principal Investigator of the interdisciplinary Canalyse des perturbateurs endocrinines, Vice-President of the North American Society for Comparative Endocrinology and Co-Chair of the Scientific Advisory Committee on Pest Control Products of the Health Canada Pest Management Regulatory Agency.

LIU, Jian | Faculty of Applied Science, The University of British Columbia

Jian Liu is an Associate Professor at UBC and an internationally renowned emerging leader in energy storage technologies. He has made original contributions to developing transformative interface engineering, materials, and chemistry for lithium-ion batteries, supercapacitors, and next-generation batteries for electric vehicles and grid storage. He works closely with industry, community, and government to translate fundamental research into made-in-Canada battery technology for the clean energy transition.

LUBY, Brittany | Department of History, University of Guelph

Brittany Luby, of Anishinaabe descent, was raised on Treaty #3 lands in what is currently known as Northwestern Ontario. She is an associate professor of history at the University of Guelph who seeks to stimulate public discussion of Indigenous issues through her work. Her picture books include *Mi'maanda aiin-gkendmaanh/This is How I know*, illustrated by Joshua Mangeshig Pawis-Steckley and *Encounter*, illustrated by Michaela Goade. Her monograph *Dammed* received the 2021 Governor-General's Award for Scholarly Research.

McIVOR, Onowa | Department of Indigenous Education, University of Victoria

Onowa McIvor is maskêkow-ininiw (Swampy Cree) and Scottish-Canadian. She is a lifelong learner of nêhinawêwin (her maternal language) and a leader in Indigenous HIV/AIDS and 2SSBNC territories Dr. McIvor is a Professor and President's Research Chair in Indigenous Education at the University of Victoria. She leads the national NIDOWIM Research Partnership, a seven-year project working to understand and enhance Indigenous adults' contributions to reviving Indigenous languages in Canada.

NOLETTE, Nicole | Département d'étude théâtrales, University of Waterloo

Nicole Nolette is Canada Research Chair in Minority Studies (Tier II, SSHRC). Her areas of research include French-Canadian minority studies, theatre studies, and Translation studies. Her first monograph was two major Canadian theatre research awards. She has already established herself as a leader in the field: she is president of the Société québécoise d'études théâtrales and co-editor of the distinguished publication Theatre Research in Canada/Recherches théâtrales au Canada.

NOSYK, Bohdan | Faculty of Health Sciences, Simon Fraser University

Bohdan Nosyk, St. Paul's Hospital CANFAR Chair in HIV/AIDS Research, is a leading population health scientist in HIV/AIDS and substance use disorders. His innovative use of data-intensive methods from economics, statistics and epidemiology has informed health policy and clinical practice both nationally and internationally. His research team's focus is on the performance and sustainability of health systems in serving as a means of reducing health and social inequities.

OGBOGU, Ubaka | Faculty of Law, University of Alberta

Ubaka Ogbogu is a professor, multidisciplinary legal scholar, and a leading expert on the ethical and regulatory aspects of health research and technologies. His scholarly activities have shaped and influenced academic discourse and governance policies on challenging moral, legal and social questions surrounding research, development and responsible adoption of next-generation health technologies. His research supports the delivery of safe and innovative health technologies to Canadians.

ORGIU, Emanuele | Centre Énergie, Matériaux, Télécommunications, Institut national de la recherche scientifique

Emanuele Orgiu is a device physicist who has made seminal contributions to the field of organic polaritonics, quantum materials and hybrid materials for electronics. His work on organic and quantum materials is internationally recognized and has led to new fundamental discoveries in the unravelling of the physics of charge transport in strongly coupled semiconductors and hybrid molecular/quantum material structures as well as their applications in photonics and electronics.

PALMATER, Pamela | Department of Politics and Public Administration, Toronto Metropolitan University

Pamela Palmater, Chair in Indigenous Governance and award-winning Mi'kmaw lawyer, shapes national conversations on the legal, political, and social issues facing Indigenous peoples in Canada. Committed to engaging with First Nations leadership and grassroots organizations, her leadership has directly influenced legislative change pertaining to anti-discrimination in the Indian Act as well as recommendations in the National Inquiry into Missing and Murdered Indigenous Women and Girls and numerous UN reports.

PAPERNOT, Nicolas | Department of Electrical and Computer Engineering, University of Toronto

Nicolas Papernot is an Assistant Professor in the Department of Electrical & Computer Engineering and the Department of Computer Science at the University of Toronto and holds a Canada CIFAR AI Chair at the Vector Institute for Artificial Intelligence. He is a pioneer in the field of adversarial examples against deep learning models, and a leader in methods of preserving and proving privacy in deep learning models.

PAQUET, Mireille | Department of Political Science, Concordia University

Mireille Paquet is Associate Professor of Political Science and Concordia University Research Chair on the New Politics of Immigration. She leads the Équipe de recherche sur l'immigration au Québec et ailleurs (ERIQA, Quebec and international research team). A political scientist recognized by her peers, her innovative research contributes to the study of two important themes in the Canadian context: federalism and the relationship between immigration and politics.

PHILLIPS, Aaron | Department of Physiology & Pharmacology, University of Calgary

Aaron Phillips is an Associate Professor in the Departments of Physiology and Pharmacology, Clinical Neurosciences, and Biomedical Engineering, at University of Calgary. He leads an internationally recognized research program that developed a therapy for treating spinal cord injury using advanced research techniques, bioinformatics, and control engineering. He has had success commercially through these discoveries. He also serves on the Board of Directors for Big Brothers Big Sisters Calgary.

PULLEN SANSFAÇON, Annie | École de travail social, University of Ottawa

Annie Pullen Sansfaçon (PhD Ethics, Social work, DeMontfort University, UK) is Professor at the University of Montreal's School of Social Work and she holds the Level 1 Canada Research Chair Reflexive Partnership Research for Empowerment of Vulnerable Youth. In her work, she examines the experiences of gender diverse youth as well as proposes clinical and methodological reflections to facilitate the empowerment of those groups and to confront oppressions and facilitate social change.

PUTERMAN, Eli | School of Kinesiology, The University of British Columbia

Eli Puterman is an Associate Professor in the School of Kinesiology at the University of British Columbia in Vancouver, British Columbia, Canada. He is the Canada Research Chair in Physical Activity and Health since 2015. Dr. Puterman's research program develops and implements physical activity and exercise programs in collaboration with and for hard-to-reach and high-stress individuals to determine how such programs can improve mental and physical wellbeing.

ROBINSON, Darryl | Faculty of Law, Queen's University

Darryl Robinson is recognized internationally as one of the most influential scholars in the evolving field of international criminal justice. His work, which advocates more humanitarian and sensitive legal responses, was awarded the Antonio Cassese Prize for its innovative ideas. His ideas have shaped international law and transnational jurisprudence on modern crimes against humanity, head of state immunities, command responsibility, and complementarity between jurisdictions.

RULE, Nick | Department of Psychology, University of Toronto

Nick Rule is Professor of Psychology and presently serves as Dean of the University of Toronto Mississauga. His pioneering work on accuracy and bias in interpersonal perception and nonverbal behaviour demonstrates how people's impressions of each other effect meaningful social, political, judicial, and business outcomes, garnering awards from the International Social Cognition Network, International Academy for Interpersonal Research, Foundation for Personality and Social Psychology, and Canada Research Chairs, among others.

SEMENIUK, Christina | Department of Integrative Biology, University of Windsor

Christina Semeniuk is an internationally recognized predictive ecologist who applies integrative methodologies to theories of adaptive capacity in complex systems to forecast human and wildlife responses to rapid environmental change. Her pioneering contributions are developing leading-edge interdisciplinary solutions for conservation science within coupled human-animal systems in conflict over resources. She embraces social justice and EDI measures to innovate responsible scientific and knowledge exchange to ensure successful conservation for all.

STODDART, Mark C.J. | Department of Sociology, Memorial University of Newfoundland

Mark C.J. Stoddart has made innovative contributions to the sociology of climate change for over a decade. His ground-breaking research includes eco-politics, media and communication, social movements, policy networks, tourism, and oil and energy. His work is praised for its broad impact on research, policy and practice. By making important connections across local, national, and international levels of analysis, his work is lauded as "essential reading" for pursuing social-ecological sustainability.

TANENTZAP, Andrew | School of the Environment, Trent University

Andrew Tanentzap is Canada Research Chair in Climate Change and Northern Ecosystems at Trent University, arriving from the University of Cambridge where he was Professor of Global Change Ecology. He is internationally recognised for work at the interface of evolutionary biology, ecology and biogeochemistry, making fundamental discoveries in understanding how environmental change impacts both biodiversity and the ways people receive from nature, including carbon sequestration, food production, and drinking water.

THÉRIAULT, Julie Mireille | Département des sciences de la Terre et de l'atmosphère, Université du Québec à Montréal

Julie Mireille Thériault is a Professor and Canada Research Chair in Extreme Winter Weather Events at the Université du Québec à Montréal. Her work aims to identify the weather factors, including precipitation, that lead to high-impact events. She combines modeling, measurements and theory to study these factors in unprecedented ways. Her achievements have led to key advances in precipitation measurement and to improving our understanding of rain-snow transitions, freezing rain formation and climate change in northern environments.

TREMBLAY, Marie-Ève | Division of Medical Sciences, University of Victoria

Marie-Ève Tremblay is the Canada Research Chair in Neurobiology of Aging and Cognition. She is a world expert on microglia, the brain's immune cells. Her research aims to develop innovative therapies promoting healthy microglia and healthy cognitive aging. She strongly advocates equity, diversity and inclusion, and collaboration via training. With her international research team, she has contributed to multi-disciplinary endeavours across fields, including reproduction, development, neuroscience, nutrition, immunometabolism, and aging.

WILLIAMS, Monnica | Department of Psychology, University of Ottawa

Monnica Williams is a board-certified registered psychologist and Canada Research Chair in Mental Health Disparities. Her clinical work and research focus on the mental health of communities of color, culture, trauma, and obsessive-compulsive disorder. Her original contributions include novel forms of assessing mental health, innovative interventions for reducing racism, and innovative treatments for trauma due to racism. Her breakthroughs and important achievements have been well-recognized with numerous distinctions and awards.

WUNCH, Debra | Department of Physics and School of the Environment, University of Toronto

Debra Wunch is an atmospheric physicist who plays a leading role in the development and use of remotely sensed measurements of greenhouse gases. She has fostered the development of a global network of instruments that occupies a critical niche between in-situ and space-based measurements of carbon dioxide and methane. Her research on greenhouse gas emission sources and natural sinks provides new insights into the global carbon cycle.

YU, Aiping | Department of Chemical Engineering, University of Waterloo

Aiping Yu is an outstanding researcher working on nanomaterials for renewable energy and polymer composites. She champions the commercialization of proprietary technologies for industrial applications. Her publications have reached citation levels in the top 60 from Google Scholar. She was recognized nationally by NSERC Steacie Memorial Fellowship and RSC Rutherford Memorial Medal. She is among the World's Top 2% Scientist published by John Ioannidis at Stanford in 2022.

ZHANG, Gaixia | Department of Electrical Engineering, École de Technologie Supérieure

Gaixia Zhang is an Associate Professor and Marcelle-Gauvreau Engineering Research Chair at École de technologie supérieure (ETS). She is an internationally renowned emerging leader in nanotechnology and sustainable energy. She made major contributions in industrial research developing next-generation clean energy devices (fuel cells, batteries, and electrolyzers), aiming to address energy shortage and climate change in a cost-effective way. She authored over 150 publications and ten book chapters and holds four patents.