

Annual Report 2023



The Enduring Mission of the RSC

In order to establish the foundation for multiple initiatives, the Royal Society of Canada elects Fellows and Members while also presenting awards to highlight specific exceptional achievements. After rigorous evaluation and review of their accomplishments, leading individuals may be elected to one of the Society's three Academies—the Academy of Arts and Humanities, the Academy of Social Sciences, and the Academy of Science. There are currently 2,594 RSC Fellows. As a complement to the Academies, the RSC established The College of New Scholars, Scientists and Artists in 2014. The College recognizes individuals who have begun demonstrating leading scholarly, research or artistic excellence within 15 years of having completed their post-doctoral program or its equivalent. Members of the College are elected for a period of seven years. There are currently 367 Members of the College.

In addition to Fellows and Members of the College, the RSC includes Institutional Members from throughout Canada that play key roles in advancing inclusive excellence for the benefit of Canada and the world. The RSC administers over 20 prestigious awards, most of which are awarded to those at various career stages in recognition of outstanding achievement.

As emphasized in our by-laws, the RSC recognizes leaders in order to help them build a better future in Canada and around the world. For this reason, the RSC fulfills its mandate successfully to the extent that it recognizes excellence and then mobilizes the membership to make significant and substantial contributions of knowledge, understanding, and insight through engagement with the larger society.

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Cover Art

Amanda Lam, *Four Seasons*, (2020)

Sculpture, mix-media

“*Four Seasons*” is a series of sculptural multimedia pieces that portrays facemasks as a symbol of the COVID-19 pandemic and its impact on our perception of time. Inspired by isolation and the demand for designer masks, Amanda repurposed materials to create unique and fashion-forward masks representing Winter, Spring, Summer, and Autumn. Each mask evokes the emotions and sensations of the corresponding season, inviting viewers to reflect on the pandemic’s profound effects on society. The series embodies resilience, creativity, and innovation in a thought-provoking tapestry of art, fashion, and societal commentary.

THE ROYAL SOCIETY OF CANADA

The Society was incorporated under an Act of Parliament of Canada in 1883 and is dedicated to fostering the highest level of learning and research in all areas of scholarship, making available to its members broad and varied knowledge to evaluate and advise on social, cultural, economic, and scientific issues for the benefit of Canada and promoting Canadian scholarship and accomplishments internationally through active exchanges with other national academies.

The Royal Society of Canada is a Charitable Organization, (Charitable Reg. #10793 5991 RR0001). Donations and Sponsorships from both private and corporate entities enable the Royal Society of Canada to pursue its core mission and mandate.

Thank You to Our Members and Partners

The RSC could not do all that it does without the support of membership dues, partnerships and those who choose RSC for their charitable giving.

We are especially grateful for the services of many volunteers who contribute their time and expertise.

For ways to get involved or to support the RSC through a contribution, please contact us or view our website.

Financial Statements

The financial statements have been prepared in accordance with Canadian accounting standards for not-for-profit organizations. RSC is committed to financial transparency. We publish our full Audited Financial Statements on our website at <https://rsc-src.ca/en/resources>.



Board of Directors • Nov 2022 - Nov 2023

President | Alain G. Gagnon

Vice-President Designate (Academy of Arts and Humanities) | Sheila Embleton

Vice-President (Academy of Social Sciences) | Barbara Neis

Vice-President (Academy of Science) | Michel Tremblay

Vice-President (RSC College) | Frank Deer

Secretary | Gary Libben

Chair, Finance Committee | Vijaya Raghavan

Institutional Member Representative | Ralph Nilson

Members-at-Large | Jennifer Brennan, Christina Tessier

FROM THE PRESIDENT



Dear RSC Members and Colleagues,

The RSC Annual Report is an occasion for our community to look briefly over our collective shoulder. These pages attest to achievements over the course of a year, and they lay the groundwork for the years to come. I have had the good fortune to become RSC President at a time when many initiatives—and in particular our work to support Canada and Canadians during the pandemic—have been at full steam. Being a member of the RSC leadership team has sometimes required a sprint in order to keep up!

And yet we know that life is more marathon than sprint, and this year's Annual Report takes a somewhat longer view on a few fronts. The resulting impression is one of nimbleness and adaptation, as well as accumulating strength and capacity.

For instance, in these pages you will read of the collective impact of over 700 Canadians due to voluntary efforts over the past three and a half years to help Canada emerge from the pandemic as a better society than we were going into it. As this report goes to press, we are on the cusp of publishing a peer-reviewed study on harm reduction—the 32nd peer-reviewed study on aspects of the pandemic since June 2020, which averages to one peer-reviewed study per month over the past three years.

Colleagues will also recall that, in June 2020, we published “Restoring Trust: COVID-19 and the Future of Long-Term Care”, the first in our COVID-19 series. This fall, a team led by Dr. Carole Estabrooks is revisiting the 2020 report to assess legislative evolution in response to the report's recommendations for urgent action. In other words, while some work is done, and ought to be celebrated, much more work lies ahead.

A second indication of increasing impact: earlier this fall our community celebrated 198 scholars and artists who have been recognized this year for their outstanding scholarly and research achievements. While not seeking to measure the advancement of our mission through the number of people we recognize, it is noteworthy that, in recent years, the RSC has made considerable steps forward in diversifying the forms of recognition we employ to celebrate excellence across disciplines and across generations. This year's Abella Prize winners, for example, augur auspiciously for the future of Canada and our commitment to fairness and equality.

Like our work in promoting independent expertise, our commitment to inclusive excellence is the result of sustained volunteer commitments. A similar spirit infuses our bilateral and multilateral work in international engagement, which is the third pillar in our strategic plan. Through the G7 and G20 processes and associated research summits including the 2023 G7 Research Summit on Healthy Aging in Niagara Falls, we are preparing the terrain for Canada's G7 presidency in 2025. Recent events have further highlighted the urgency of working together to defend liberal democracy, and we are committed to doing this work in a spirit of solidarity and co-construction.

The RSC community can and should continue to take pride in the work we are accomplishing due to our commitment to working together and to working alongside the professional staff at Walter House. As President, and on behalf of the Board and Council, I would like to acknowledge the administrative team for their steady counsel, their positive disposition, and their steadfast commitment to our organizational objectives.

We know that with achievement comes expectation. As 2024 arrives with heightened hopes for the RSC, we are prepared to embrace them, together.

A handwritten signature in blue ink that reads "Alain-G. Gagnon". The signature is written in a cursive style.

Alain-G. Gagnon
President

FROM THE EXECUTIVE DIRECTOR

Dear RSC Members and Colleagues,

2023 arrived with two goals in mind: to strengthen our team and to build our home. In pursuing these objectives, we have been accompanied by institutions and individuals from throughout Canada.

From The Canadian Academy of Health Sciences to Let's Talk Science, from Les fonds de recherche du Québec to the Globe and Mail and Canadian Science Publishing, the RSC is fortunate to be energetically supported by some of our country's finest leaders and institutions. This support has enabled the growth of our impact, as well as the flourishing of the place we call home.



Many of you will recall that the foundational gift of Dr. Bill Leiss (RSC President 1999-2001) enabled the acquisition of Walter House just over 10 years ago. Thanks to strong oversight from the Finance Committee, we have managed our finite resources judiciously over the past decade, and we took our time to establish the vision for the future of Walter House.

Following several years of planning, a comprehensive set of renovations at Walter House is now underway. When complete in 2024, the RSC's home in Ottawa will be a premier location for scientific meetings as well as for social gatherings celebrating the communities of our 63 institutional members and our organizational partners around the world.

As we finalized the blueprints, we heard from Sheila Embleton about conversations that were begun by her father, Tony, a long-time and much beloved RSC Fellow who was at one time RSC Treasurer. We are humbled and grateful that, thanks to the inspiration of Tony and the support of Sheila and family, the Embletons have pledged \$100,000 toward the renovations of Walter House.

Once the upfits are complete, the RSC's spirit of openness and community-building will be manifest through the spaces at Walter House which will hold ongoing events in partnership with organizations that support the vision of a better country informed by independent expertise. Long live Walter House!

The capacities of the team at Walter House are an inspiration. Led by Linda Clauson, this team—like any high-performing collective—benefits from a combination of experience and new ideas. Russel MacDonald and Amelia Domaradzki are at the forefront of RSC programmes, while Chris Dragan coordinates our membership and awards processes. In September, Paige Beveridge began her tenure with the RSC from her home-base in Vancouver. As Paige arrived, we bid a fond farewell to Erika Kujawski who, after 14 years of service with the RSC, moved to new shores. We are very grateful and proud of Erika's accomplishments at the RSC, and we are excited to follow Paige in her vision to build on Erika's legacy of communicating our collective impact.

As we execute the vision for Walter House with an outstanding team of professionals, we will continue to maintain our focus on serving our members and the community, who inspire us at each step along the way.

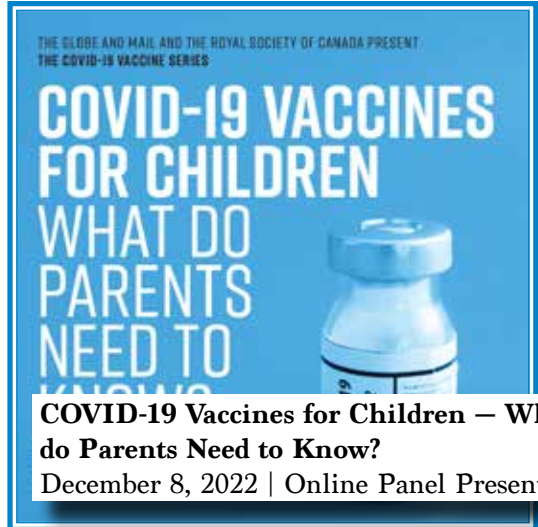
A handwritten signature in black ink that reads "Darren Gilmour". The signature is fluid and cursive, written in a professional style.

Darren Gilmour
Executive Director

EVENTS & ACTIVITIES



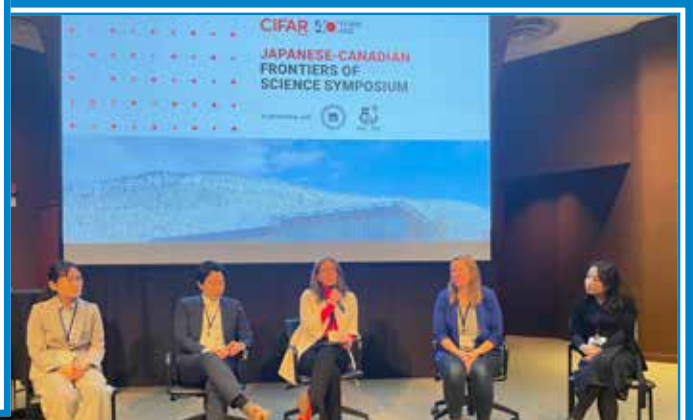
Let's Talk Science on Parliament Hill
November 15, 2022 | Ottawa



COVID-19 Vaccines for Children – What do Parents Need to Know?
December 8, 2022 | Online Panel Presentation



Innovation in Achieving Health Equity in Rural Nova Scotia
January 27 | RSC Atlantic



Japanese-Canadian Frontiers of Science
March 6-9 | Banff



Compassionate Global Citizens: A Multifaith Panel
March 28 | RSC Atlantic



Indigenous Engagement
May 4 | RSC College
Webinar Series

Kisha Supernant
Director, Institute of Prairies and Indigenous Archeology, Associate Professor, University of Alberta



Reimagining Public Health
June 20, 29 | RSC Atlantic Open Academy



Let's Talk Science Visionary Symposium Series
October 20, 2022 | Let's Talk Space Exploration
November 17, 2022 | Parlons d'exploration spatiale
December 1 | Let's Talk Misinformation
February 9 | Let's Talk the Future of Medicine
April 27 | Parlons alimentation
May 11 | Let's Talk Food



Strengthening Health Care in Canada Post COVID-19 Pandemic
May 10 | RSC COVID Task Force Webinar



H5N1: Evolving Situation, Evolving Research
June 19 | Ottawa



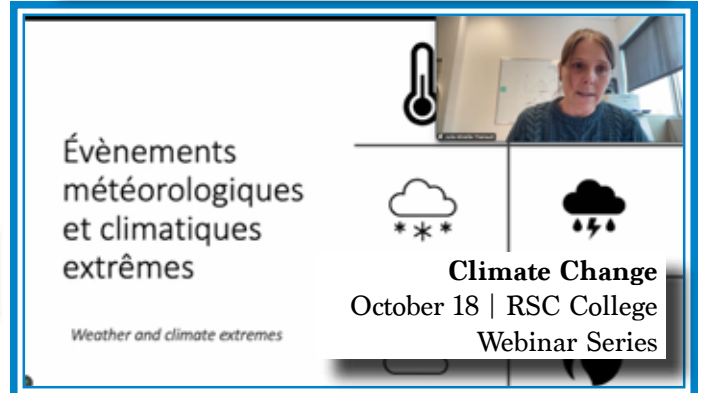
Discussion on the Future and Challenges of Doing Research in French in Canada
May 12 | SRQ Québec



Lessons from Canada's Response to the COVID-19 Pandemic and the Path Forward: Launch of a Series in the BMJ
July 25 | Online Panel Presentation



Working Together to Improve the Health and Well-Being of the Elderly
October 5 | RSC Dialogues @ Massey



Climate Change
October 18 | RSC College Webinar Series

G7 RESEARCH SUMMIT: ONE HEALTH

ONE HEALTH G7 RESEARCH SUMMIT

NOV. 21-23, 2022 | LAKE LOUISE, AB

SOMMET DE LA RECHERCHE DU G7
UNE SEULE SANTÉ



As we begin charting next steps toward global recovery from the pandemic, it is critical that we embrace our interdependence as nations, as well as the interdependence of environmental health and all species including humans. The RSC hosted a 2022 G7 Research Summit on One Health in Lake Louise, Alberta, on November 21 to 23.



The G7 Research Summit on One Health began with a reception in the evening of Monday, November 21. On Tuesday, the three areas of focus were: a One Health approach to climate change and biodiversity loss, mitigating a planet in crisis; learning from Indigenous relationships with the natural world; and addressing globalization and polarization: towards multilateral One Health solutions for a changing world. Discussions continued on the morning of November 23, and the summit concluded over lunch.



Panel 1: A One Health approach to climate change and biodiversity loss, mitigating a planet in crisis



Panel 2: Learning from Indigenous relationships with the natural world



Panel 3: Addressing globalization and polarization: towards multilateral One Health solutions for a changing world



CELEBRATION OF EXCELLENCE AND ENGAGEMENT
#COEE2022 NOV 23-26
PRESENTED BY THE UNIVERSITY OF CALGARY



Celebration of Excellence & Engagement

In 2013, the RSC resumed the practice of moving its annual gathering around the country, beginning in Banff in partnership with the University of Calgary. Seven cities and two virtual events later, last year's conference was held in Calgary, once again in partnership with the University of Calgary. The COEE blends symposia and sessions on urgent themes, with ceremonies recognizing the inductees and award winners, the annual general meeting, opportunities to meet colleagues and network, and scholarly programming included topics on COVID-19, climate change, One Health and more.



The RSC would like to thank our partners whose support made the 2022 Celebration of Excellence & Engagement possible.

Presenting Partner



Excellence Partners



Engagement Partner



Supporting Partner



Media Partner



RSC TASK FORCE ON COVID-19

Impact Summary: The RSC Task Force on COVID-19

In March 2020, the RSC President and the Board of Directors created the RSC Task Force on COVID-19. It had one goal: to help Canada become a better society coming out of the COVID-19 pandemic than it was going into it. In April 2020, a strategic partnership was established with The Globe and Mail – the only partnership between a national academy and a national newspaper in the world – in order to extend the reach of independent expertise.

A guiding principle of the Task Force has been the need for experts from all research areas of the arts, humanities, social sciences, and sciences. We need to work across disciplines to tackle complex problems. To date, over 700 experts from 100 institutions, as well as dozens of independent artists, have volunteered to prepare peer-reviewed reports, op-eds, and virtual content to enhance Canadians' access to independent expertise. They have produced nearly 200 open-access publications for the Task Force. These include peer-reviewed Policy Briefings, the Engaging Creativities website devoted to art in the pandemic, collections of essays, and a collection of stories on Indigenous Health and Wellness. In keeping with longstanding RSC practices, participants have not had to be members of the RSC in order to lead or engage in initiatives.

As of September 2023, there have been 350,000 briefing downloads and over 100 op-eds published in the Globe and Mail. 10,000 Canadians visited Engaging Creativities. Several COVID-19-themed art projects initially exhibited online were subsequently exhibited in galleries across Canada. In addition, the RSC has arranged over 25 meetings between Task Force experts and public officials to discuss research and possible next steps.



*Tom Marrie
Chair (2020-2021)*



*Tracy Vaillancourt
Chair (2022-2023)*

Virtual Town Halls and Webinars

In December 2020, with the imminent arrival of COVID-19 vaccines, the Editorial Board of the Globe and Mail stated, “It would really help to have some top scientists and physicians leading a national conversation, to explain to Canadians how the vaccines were approved, how they work, what the dangers are and for whom, and how and why any downsides are vastly outweighed by the benefits.”

In order to address this need, beginning in January 2021, The RSC and The Globe and Mail organized a series of virtual Town Halls on COVID-19 vaccines open to all Canadians. Over 10,000 Canadians participated.

In addition to webinars with The Globe and Mail, the RSC has organized over 100 hours of webinar programming open to the public. More than 5,000 Canadians have engaged online with this content.

Open Access

All publications generated through the Task Force are freely available on the RSC website. All peer-reviewed publications are freely available in English and French, and a partnership with Canada's first and only multidisciplinary science journal, FACETS, has strengthened the reach, impact, and citation rate of publications.

RSC Policy Briefings on the Website of the RSC

Report		Publication Date	English Downloads	French Downloads
1	Long-term-Care	20/7/2	15,717	1,413
2	Civil Liberties	20/9/25	1018	258
3	Mental Health	20/10/9	1069	78
4	Open Drug Discovery	20/10/16	300	15
5	Federal Basic Income	20/10/23	1,466	74
6	Representations of Science	20/10/30	917	98
7	Indigenous Health & Wellness	20/12/11	1,868	63
8	Economic Recovery	20/12/17	1,123	124
9	Correctional Services	21/1/26	816	46
10	Epidemiology of COVID-19	21/2/4	867	60
11	Homelessness	21/2/12	503	78
12	Archiving Research	21/2/25	445	82
13	Mental Health and Policing	21/3/4	403	70
14	Public Health History	21/3/11	523	85
15	Immigration	21/3/25	1,219	83
16	Future of Higher Education	21/3/29	778	171
17	Enhancing Vaccine Acceptance	21/4/30	945	113
18	Impacts in Racialized Communities	21/5/18	2268	49
19	Intellectual & Developmental Disabilities	21/6/1	1066	129
20	Intellectual & Dev. Disabilities - Accessible	21/6/1	93	20
21	Mental Health & Policing Vol. 2	21/6/17	315	25
22	Excess Mortality	21/6/29	13,953	275
23	Impact on Language & Literacy	21/8/17	1,007	113
24	Children and Schools during COVID-19	21/8/24	3,570	87
25	Protecting Expert Advice for the Public	22/2/2	593	26
26	Investing in Canada's Nursing Workforce	22/5/12	1,040	144
27	One Health: Emerging Zoonoses	22/6/15	1,862	140
28	The impact on Intensive Care Units	22/6/28	469	19
29	Wastewater Surveillance	22/8/8	840	0
30	Impacts on Women in Canada	22/11/10	883	56
31	Strengthening Healthcare Post COVID	23/4/26	634	21
Total Downloads from RSC Website			62,585	

RSC Policy Briefings in FACETS

Report	Publication Date	Downloads	Altmetrics (Dimensions)	Citations (Dimensions)
Long-term-Care	20/8/27	24,655	74	96
Civil Liberties	20/11/12	22,868	40	34
Drug Discovery	20/12/17	2,074	6	2
Mental Health	20/12/22	5,143	11	16
Representations of Science	21/3/25	9,449	233	24
Federal Basic Income	21/3/25	3,679	40	4
Mental Health and Policing	21/3/25	3,697	18	3
Correctional Services	21/4/8	6,340	11	11
Remembering is Honoring	21/4/19	2,781	9	8
History of Public Health	21/4/29	1,734	7	3
Immigration	21/5/13	8,030	68	12
Epidemiology: the pre-vaccine era	21/5/20	4,075	13	9
The Future of Higher Education	21/6/3	6,356	7	3
Seeking Shelter: Homelessness	21/6/10	7,888	9	14
Vaccine Acceptance in Canada	21/7/22	6,009	4	18
COVID-19 and Intellectual and Developmental Disabilities	21/8/12	3,408	12	11
Mental Health and Policing Vol. 2	21/8/19	2,606	7	6
Children and Schools: Mental health of Children and Youth	21/29/9	38637	123	29
Children and Schools: Teachers and Teaching	21/11/11	20753	115	22
Children and Schools: Learning and Achievement of Vulnerable Children and Youth	21/14/10	66819	52	29
Children and Schools: School Recess and Pandemic Recovery	21/4/11	2884	13	6
Children and Schools: School Closures	21/4/11	7888	4	16
Children and Schools: Curatorial Thinking	21/9/23	952	7	0
Protecting Expert Advice for the Public	22/3/31	1,015	10	2
Canada's Nursing Workforce	22/8/4	11,844	21	5
Impact on Intensive Care Units	22/12/1	1,790	5	2
Wastewater Surveillance	22/12/15	2,099	13	5
One Health Approach to Emerging Zoonoses	23/1/13	2,701	18	3
Health Care in Canada Post-COVID-19 Pandemic	14/8/23	273	2	0
Total Downloads from FACETS		287,813		

Vaccine Town Halls with The Globe and Mail

January 21, 2021

The Globe and Mail and The Royal Society of Canada present | The COVID-19 Vaccine Series

HOW NEW VACCINES PROTECT AGAINST COVID-19



February 18, 2021

The Globe and Mail and The Royal Society of Canada present | The COVID-19 Vaccine Series

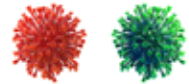
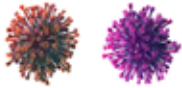
WHAT DO COVID-19 VACCINES MEAN FOR ME?



March 23, 2021

The Globe and Mail and The Royal Society of Canada present
The COVID-19 Vaccine Series:

VARIANTS ARE HERE. NOW WHAT?



April 29, 2021

THE GLOBE AND MAIL AND THE ROYAL SOCIETY OF CANADA PRESENT | THE COVID-19 VACCINE SERIES

COVID-19 VACCINE ROLLOUT: WHERE ARE WE NOW?



June 2, 2021

THE GLOBE AND MAIL AND THE ROYAL SOCIETY OF CANADA PRESENT | THE COVID-19 VACCINE SERIES

I'VE TAKEN THE VACCINE. NOW WHAT?



December 8, 2022

THE GLOBE AND MAIL AND THE ROYAL SOCIETY OF CANADA PRESENT THE COVID-19 VACCINE SERIES
LE GLOBE AND MAIL ET LA SOCIÉTÉ ROYALE DU CANADA PRÉSENTENT SÉRIE SUR LES VACCINS CONTRE LA COVID-19

COVID-19 VACCINES FOR CHILDREN WHAT DO PARENTS NEED TO KNOW? LES VACCINS CONTRE LA COVID-19 POUR LES ENFANTS QUE DOIVENT SAVOIR LES PARENTS?



October 4, 2021



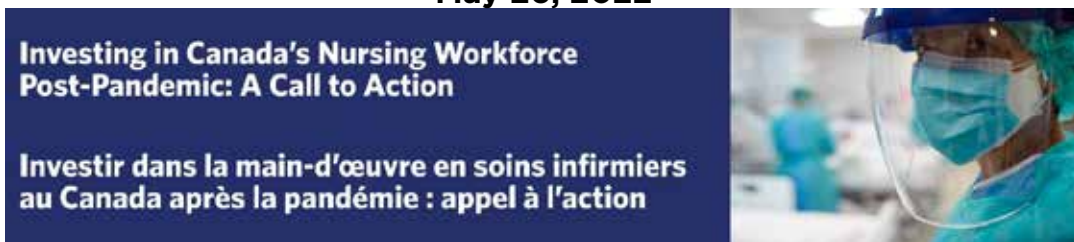
December 6, 2021



February 11, 2022



May 26, 2022

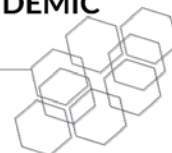


May 10, 2023



July 25, 2023

LESSONS FROM CANADA'S RESPONSE TO THE COVID-19 PANDEMIC AND THE PATH FORWARD: LAUNCH OF A SERIES IN THE BMJ



Publications

Items with an italicized lead author indicate the output of a Working Group.

*indicates publication in FACETS

	Lead Author	Title	Date	
1.	Gaffield, Chad	The First Global Pandemic in the Digital Age	04/19/20	
2.	Redelmeier, Don	Public Perception of Risk	04/23/20	
3.	Fenton, Brock	Bats, SARS CoV Viruses, and Humans	04/27/20	
4.	Graham, Janice	Return to a New Normal	05/06/20	
5.	Turnbull, Jeff	Helping Canada's Most Vulnerable Communities	05/07/20	
6.	Illes, Judy	Hidden Risks of Pre-Traumatic Stress	05/07/20	
7.	Tuohy, Carolyn	Narratives of the Crisis	05/08/20	
8.	Dietsch, Peter	Economic Recovery	05/11/20	
9.	Babiuk, Lorne	Research Investments	05/12/20	
10.	Ungar, Michael	Long-Term Impact of Stress	05/19/20	
11.	Armstrong, Pat	Nursing Homes and Skills	05/21/20	
12.	Straus, Sharon	Unintended Consequences	05/22/20	
13.	Brunham, Bob	Vaccine Development	05/25/20	
14.	McGrath, Patrick	Family Mental Health	05/26/20	
15.	Ray, Saibal	Supply Chains	05/27/20	
16.	Lewis, Mark	Mathematical Modeling	05/28/20	
17.	Murray, Stuart	Protesting State Power	05/29/20	
18.	Heller, Monica	Communication	06/01/20	
19.	Wathen, Nadine	Impossible Choices	06/03/20	
20.	Palmater, Pam	Disproportional Impact on Indigenous Women	06/04/20	
21.	Flood, Colleen	Choices in LTC	06/10/20	
22.	O'Campo, Patricia	Intimate Partner Violence	06/11/20	
23.	Hrudey, Steve	All Hands on Deck	06/14/20	
24.	Hrudey, Steve et al.	Wastewater-based epidemiology	06/15/20	
25.	Richmond, Chantelle	With So Much at Risk, We Couldn't Just Wait for Help	06/17/20	
26.	Ungar, Michael	Resilience of Institutions	06/20/20	
27.	Ricciardelli, Rose	Decarceration	06/23/20	
28.	Loeb, Mark	Masks	07/01/20	
29.	Orford, Neil	Syndemics	07/02/20	
30.	<i>Estabrooks et al.</i>	<i>COVID-19 and The Future of Long-Term Care</i>	07/03/20	
31.	Kaushic, Charu	Immune response	07/06/20	
32.	Mahon, Mike	Regional Universities	07/07/20	
33.	Vaillancourt, Tracy	The Kids are Going to be Okay	07/09/20	
34.	Flood, Colleen	Governance Vulnerabilities	07/09/20	
35.	Roos, Noralou	Paths to Benefits	07/09/20	

	Lead Author	Title	Date	
36.	Adams, Tracey	Harsh Realities and New Opportunities	08/05/20	
37.	Bricker, Darrell	Breaking Through Anxiety Barriers	08/06/20	
38.	Holmes, Bev	Opportunities to Strengthen Health Research	08/06/20	
39.	*Estabrooks et al.	Restoring Trust	08/27/20	
40.	DeGagne, Mike	Institutional Racism	09/10/20	
41.	Loeb, Mark	Aerosol versus Droplets	08/12/20	
42.	Lajoie, Susanne	Educational Technologies	09/02/20	
43.	Vaillancourt, Tracy	Mental Health of Children	09/10/20	
44.	Rutty, Christopher	Vaccine Legacy	09/14/20	
45.	*Flood et al.	Reconciling Civil Liberties and Public Health	09/25/20	
46.	Duhamel, Karine	Resilient, but not Invulnerable	10/05/20	
47.	Jones, Eshyllt	21st Century's Forgotten Pandemic	10/06/20	
48.	Werker, Janet	The Journey to Literacy	10/09/20	
49.	McGrath et al.	Supporting Mental Health of the People of Canada	10/09/20	
50.	Bubela et al.	Open Drug Discovery of Anti-Virals	10/16/20	
51.	Segal et al.	Federal Basic Income	10/23/20	
52.	Caulfield et al.	Public Representations of COVID-19 Science	10/30/20	
53.	*Jones, Eshyllt	Public Health History	10/30/20	
54.	Esses, Vicki	Combatting Complacency	11/06/20	
55.	*Flood et al.	Civil Liberties	11/12/20	
56.	Wane, Njoki	Histories of Inequities	11/12/20	
57.	Walcott, Rinaldo	Data or Politics?	11/12/20	
58.	Owusu-Bempah, A	Race, Policing and Social Unrest	11/12/20	
59.	McKenzie, Kwame	Race and ethnicity data collection	11/12/20	
60.	Mawani, Renisa	Health, Colonialism and Racism in Canada	11/12/20	
61.	Kobayashi, Audrey	Colonialism as Precondition of uneven COVID-19	11/12/20	
62.	Jean-Pierre, Johanne	Effect on Black Communities in Québec	11/12/20	
63.	Ibrahim, Awad	Black immigrants	11/12/20	
64.	James, Carl	Racial Inequity	11/12/20	
65.	Dei, George J. Sefa	Systemic Racism	11/12/20	
66.	Allen, Upton	Factors Predictive of Infection	11/12/20	
67.	Orford, Neil	Reshaping Education	11/16/20	
68.	Fisman, David	Flying Blind: Time to Do Better	11/19/20	
69.	Straus, Sharon	An inquiry of inquiries	11/23/20	
70.	McCabe, Chris	Investing Toward the Future	11/30/20	
71.	Delatolla, Rob	Reading the Entrails	11/30/20	
72.	McGrath, Patrick	Prioritizing those with Disabilities for the Vaccine	12/04/20	
73.	Lovell, George	Columbus and Pandemic Contagion	12/09/20	
74.	Richmond et al.	Our Strength is in our Stories	12/10/20	

	Lead Author	Title	Date	
75.	Ambtman-Smith, V	Time for Unseen Medicine	12/10/20	
76.	Cassidy-Matthews, C	Urban Indigenous Epidemiological Training	12/10/20	
77.	Duhamel, Karine	Urban Indigenous Services	12/10/20	
78.	Keewatin, Miranda	Communication Barriers	12/10/20	
79.	King, Malcolm	Relationship with Self-Determination	12/10/20	
80.	Mushquash, Chris	We leaned into our responsibilities	12/10/20	
81.	Richardson, Lisa	Anishwabe Health's Mobile Healing Unit	12/10/20	
82.	Richmond, Chantelle	Grieving During COVID-19	12/10/20	
83.	Rowe, Robyn	Fear and Shame in a time of COVID-19	12/10/20	
84.	Snook, Jamie	Make your own tracks	12/10/20	
85.	*Bubela et al.	Open Drug Discovery	12/17/20	
86.	McCabe et al.	Economic Recovery	12/17/20	
87.	Harmon, Shawn	Serious Adverse Events Following Immunization	12/17/20	
88.	*McGrath et al.	Mental Health and COVID-19	12/22/20	
89.	Loewen, Peter	Public Opinion Toward Vaccines	01/05/21	
90.	Taddio, Anna	CARDs	01/05/21	
91.	Girard, Catherine	New ways forward in Canadian Arctic research	01/12/21	
92.	Harmon, Shawn	The Role of Employers in Vaccine Rollout	01/14/21	
93.	Steenbeek, Audrey	Vaccine Acceptance Among Homeless Youth	01/18/21	
94.	Wright, Julia	Margin of Safety	01/19/21	
95.	LeBaron, Genevieve	Modern Slavery in Supply Chains	01/21/21	
96.	McElhaney, Janet	The elderly who are frail and vaccines	01/25/21	
97.	Fyshe, Alona	The Upside of Online	01/25/21	
98.	Pakes, Barry	Wiping the alcohol swab away	01/25/21	
99.	Rvachew, Susan	Child Well Being as we Emerge from the Pandemic	01/26/21	
100.	Ricciardelli et al.	Correctional Services During and Beyond COVID-19	01/26/21	
101.	*Sligl et al.	Epidemiology of COVID-19 in Canada in 2020	02/04/21	
102.	Bramadat, Paul	Religion, Trust and Vaccine Acceptance	02/05/21	
103.	Afreen, Asma	Heritage Languages	02/05/21	
104.	Loewen, Peter	Vaccine Preferences	02/05/21	
105.	McMurtry, Meghan	High Needle Fear	02/09/21	
106.	Li, Guofang	Second-Language Learning	02/09/21	
107.	Byers-Heinlein, Krista	Benefits of Being Raised Bilingually	02/10/21	
108.	*Turnbull et al.	Seeking Shelter: Homelessness and COVID-19	02/16/21	
109.	Trilokekar, Roopa	International Students	02/16/21	
110.	Taddio, Anna	Building Knowledge to Promote Good Health	02/16/21	
111.	Gilmour, Darren	Mobilizing Expertise	02/17/21	
112.	Caulfield, Sean et al.	Engaging Creativities: Art in the Pandemic	02/19/21	
113.	Vaillancourt, Tracy	Health Survey on Children and Youth	02/22/21	

	Lead Author	Title	Date	
114.	Flood, Colleen	Vaccination Certificates	02/22/21	Excess All-Cause Mortality During the COVID-19 Epidemic in Canada June 2021
115.	Joanisse, Marc	Dyslexia	02/23/21	
116.	Yeung, Henny	Masks and Language Development	02/23/21	
117.	Faraday, Fay	Migrant Workers and Vaccine Prioritization	02/24/21	
118.	Hipfner-Boucher, Kathleen	Gifting Your Child a World of Words	02/24/21	
119.	<i>Jones et al.</i>	<i>Archiving Research</i>	02/25/21	
120.	Allen, Upton	Building Confidence in Black Communities	03/03/21	Impact of COVID-19 on Language and Literacy in Canada August 2021
121.	Greyson, Devon	Confronting the Infodemic	03/03/21	
122.	Mangardich, Haykaz	Screen Time	03/03/21	
123.	<i>Huey et al.</i>	<i>Mental Health and Policing</i>	04/03/21	
124.	Abdul-Mageed, Muhammad	Negotiating the Twitterverse	03/05/21	
125.	Thomson, Jenny	Technology and Learning	03/09/21	
126.	Comeau, Jeanette	Anaphylaxis and COVID-19 Vaccines	03/10/21	
127.	<i>*Jones, Eysyllt et al.</i>	<i>History of Public Health</i>	03/11/21	Children and Schools During COVID-19 and Beyond: Engagement and Connection Through Opportunity August 2021
128.	Harmon, Shawn	VISP	03/11/21	
129.	Caulfield, Timothy	Communicating Uncertainty	03/12/21	
130.	Baylis, Françoise	Young Adults	03/12/21	
131.	Hii, Yvonne	Childcare	03/12/21	
132.	Mubareka, Samina	Genomics	03/16/21	
133.	Vaillancourt, Tracy	Physical Activity for Children	03/15/21	
134.	Roseblum, Daisy	Virtual Visits	03/15/21	Protecting Expert Advice for the Public: Promoting Safety and Improved Communications February 2022
135.	Ghosh, Monty	Innovating for the Homeless	03/16/21	
136.	McMurtry, Meghan	Words Matter	03/16/21	
137.	White, Katherine	Multicultural Language Learning	03/24/21	
138.	Craig, Sienna	Multilingual Immigrant Communities	03/24/21	
139.	Tworek, Heidi	Why Disease Names Matter	03/24/21	
140.	<i>*Caulfield et al.</i>	<i>Representations of Science</i>	03/25/21	
141.	<i>*Segal et al.</i>	<i>Federal Basic Income</i>	03/25/21	
142.	<i>*Huey et al.</i>	<i>Mental Health and Policing</i>	03/25/21	
143.	<i>Esses, Vicki et al.</i>	<i>Immigration Policy and Programs</i>	03/25/21	
144.	<i>*Wright, Julia et al.</i>	<i>The Future of Higher Education</i>	03/29/21	
145.	McElhaney, Janet	Reducing Barriers to Vaccination	03/26/21	
146.	Richmond, Chantelle	Vaccine Experience	03/30/21	
147.	Greenwood, Margo	Vaccine Mistrust: A Legacy of Colonialism	03/31/21	
148.	Comeau, Jeanette	Keeping Everyone Safe	03/31/21	Strengthening A One Health Approach to Emerging Zoonoses June 2022
149.	<i>*Ricciardelli, Rose et al.</i>	<i>Correctional Services</i>	04/08/21	
150.	Gosh, Monty	Vaccinating Homeless Populations	04/12/21	
151.	Brennan, Jennifer	Universities, Colleges and COVID-19	04/13/21	
152.	<i>*Jones, Eysyllt et al.</i>	<i>Remembering is a form of Honouring</i>	04/19/21	

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153.	Brown, Natalya	Regionalization of Immigration	04/19/21	
154.	Graham, Janice	Principles and Practices for Vaccine Trust	04/21/21	
155.	Bonn, Matthew	Comprehensive Harm Reduction	04/26/21	
156.	Vaillancourt, Tracy	Learning Loss While out of School	04/28/21	
157.	*Macdonald, Noni et al.	Enhancing COVID-19 Vaccine Acceptance in Canada	04/30/21	
158.	Pyrooz, David	Jails, Prisons and Vaccination	05/03/21	
159.	*Esses, Victoria et al.	Immigration Policy & Programs	05/13/21	
160.	Carl, James et al.	Impacts of COVID-19 in Racialized Communities	05/18/21	
161.	*Sligl, Wendy et al.	COVID-19 Epidemiology in Canada	05/20/21	
162.	*Majnemer, Annette et al.	Intellectual & Developmental Disabilities	06/01/21	
163.	*Wright, Julia et al.	The Future of Higher Education	06/03/21	
164.	Bubela, Tania	Preventing the Next Pandemic	06/28/21	
165.	Moriarty, Tara et al.	Excess Mortality During the COVID-19 Pandemic	06/29/21	
166.	*Macdonald, Noni et al.	Enhancing COVID-19 Vaccine Acceptance in Canada	07/22/21	
167.	*Majnemer, Annette et al.	Intellectual and Developmental Disabilities	08/12/21	
168.	Werker Janet et al.	Impact of COVID-19 on Language and Literacy	08/17/21	
169.	*Huey Laura et al.	Mental Health and Policing Vol. 2	08/19/21	
170.	*Vaillancourt, Tracy et al.	Children and Schools during COVID-19	08/24/21	
171.	Wright, Julia M.	We can do better in Higher Education	09/01/21	
172.	Vaillancourt, Tracy et al.	The case for free universal high-speed internet	10/04/21	
173.	Gruben, Vanessa et al.	Canada's drug toxicity crisis	10/21/21	
174.	Flood, Colleen et al.	Risk Managing our COVID Crisis Response	01/11/22	
175.	Mubareka, Samira et al.	Detection of SARS-CoV-2 in Canadian Wildlife	02/02/22	
176.	Wright, Julia et al.	Protecting Expert Advice for the Public	02/02/22	
177.	Vaillancourt, Tracy	Stop assuming most kids will be resilient	02/07/22	
178.	Wright, Julia	Time to Protect Expert Advice	03/03/22	
179.	Vaillancourt, Tracy	Masks Are Coming Off	03/14/22	
180.	Flood, Colleen	Governments are Lifting Vaccine Passports	03/22/22	
181.	Tomblin Murphy, Gail et al.	Investing in Canada's Nursing Workforce	05/12/22	
182.	Mubareka, Samira et al.	Strengthening a One Health Approach	06/15/22	
183.	Ricciardelli, Rose	Why have we forgotten about correctional workers?	06/27/22	
184.	Gibney, Noel et al.	The Impact on Canada's Intensive Care Units	06/28/22	
185.	Hrudey, Steve et al.	Wastewater Surveillance for SARS-CoV-2 RNA	08/08/22	
186.	Straus, Sharon	Saving millions of lives but resources squandered	12/09/22	
187.	Mubareka, Samira	Avian influenza requires a One Health approach	13/10/22	
188.	Robson, Jennifer et al.	Impacts of the Pandemic on Women in Canada	10/10/22	
189.	Rabeneck, Linda	Strengthening Healthcare Post COVID	26/04/23	
190.	Vaillancourt, Tracy	Depression & anxiety in youth during the pandemic	08/05/23	
191.	Estabrooks, Carole et al.	Federal Reform of Long-Term Care	08/25/23	

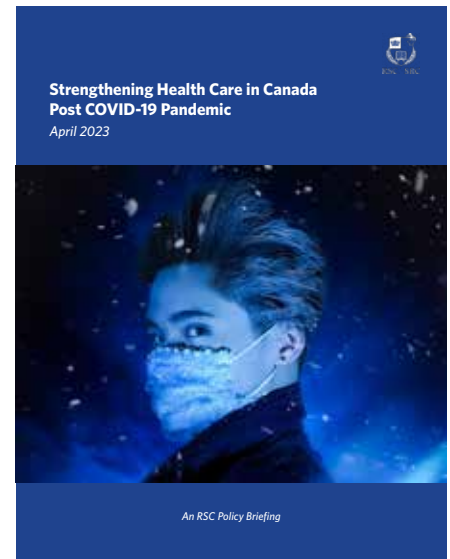
PUBLICATIONS

Strengthening Health Care in Canada Post COVID-19 Pandemic | April 2023

The purpose of this policy briefing is to examine our health care systems through the lens of the COVID-19 pandemic and identify how we can strengthen health care in Canada post-pandemic. The COVID-19 pandemic has provided compelling evidence that substantive changes to our health care systems are needed. Specifically, the pandemic has emphasized structural inequities on a broad scale within Canadian society. These include systemic racial and socioeconomic inequities that must be addressed broadly, including in the delivery of health care. We make recommendations about what we can do to emerge from the pandemic stronger. While these recommendations are not novel, how they are framed and contextualized differs because of the problems in our health care system that have been highlighted and exacerbated in the pandemic.

The evidence is clear that socioeconomic circumstances, intergenerational trauma, adverse early life experiences, and educational opportunities are critical factors when it comes to health over the life course. Given the problems in the delivery of health care that the pandemic has revealed, we need a different approach. How health care was organized prior to the COVID-19 pandemic did not produce what people want and need in terms of health care and outcomes. How do we emerge from COVID-19 with an effective, equitable, and resilient health care system for all Canadians?

Read the full report online.



Coming Soon



Urgent and Long Overdue: Legal Reform and Drug Decriminalization in Canada



The Humanities and Health Policy

INSTITUTIONAL MEMBERS

As a member-based organization, the RSC has relied historically on the annual support of individual members elected for their achievements and commitment to contribute to a better future. Since 2004, a membership category for institutions has enabled the RSC to significantly expand its structure as well as its scope of activities. These are the Institutional Members of the RSC:





Addressing systemic risks in a changing climate: Science and technology in support of cross-sectoral decision-making

The Academies of the Group of Seven (G7) countries express their grave concern about three recent major challenges and the rapidly growing compound risks that they pose for human well-being, functioning economies, and healthy ecosystems. The first challenge arises from recent climate disasters, such as floods, droughts, wildfires, and heat waves, which can already be attributed to anthropogenic climate change. These events are expected to occur with ever greater frequency and severity, resulting in unprecedented risks across the world. Second, the COVID-19 pandemic has had a severe socio-economic impact on countries around the globe, as well as a

health impact on people everywhere. Finally, the Russian invasion of Ukraine, gravely violating international law, seriously threatens the rules-based international order, and has driven the world into a global food and energy crisis. Due to the cumulative impact of these events, complex, cascading, and systemic risks already present within social, economic, and environmental systems have intensified, threatening human lives and prosperity beyond national boundaries.

Delivering better health and well-being of older people through wisdom sharing and innovation

The world's population is currently estimated to exceed 8 billion. It will reach 9 billion by 2037, and 10 billion by 2058. The population aged 65 and over is expected to increase from 10% currently to 16% by 2050. Additionally, the population aged over 80 is expected to triple in the next 30 years.

Although various measures have been taken to prepare for population aging, a super-aged society still faces many health and social care issues that need to be resolved. As we enter this major demographic transition, there is a need to achieve a society in which an increasing number of people can enjoy health, well-being, and independence throughout their lifespans to the fullest extent as highlighted by the goals of the UN Decade of Healthy Ageing. To this end, the G7 countries with an advanced aging population and a long history of implementing various healthcare measures for older people, have an exceedingly important role to play.

Restoration and recovery of the ocean and its biodiversity

The ocean is the cradle of evolution and the largest living space on Earth. Because of its size and history, it contains unparalleled biodiversity. Biodiversity refers to the enormous variety of life on Earth and evolves in a complex web of interactions among organisms and their environments. It is necessary to improve understanding of this complex interaction, to resolve the challenges posed by the various international interests, and to sustain the richness of biodiversity into the future.

However, the ocean is still a frontier, full of unknowns and more than 90% of marine life has not yet been described. Therefore, it is imperative to increase our scientific knowledge of the ocean, its diverse marine life, how the ocean and its life are changing during rapid environmental change and the crucial roles they play in recovering and sustaining a healthy planet.

The full 2023 G7 Statements can be found at www.rsc-src.ca.

Transformative Science for Sustainable Development

We, the Science Academies of the G20 member states and invitee countries, met in Coimbatore, India, on July 21-22, 2023, to recognize the need for transformative science for sustainable development in the spirit of Vasudhaiva Kutumbakam (One Earth, One Family, One Future).



Science20 (S20) meetings, hosted by India during its G20 Presidency, were held under the theme “Transformative Science for Sustainable Development” and provided a platform for science academies to deliberate their sub-themes. These were: ‘Clean Energy for Greener Future’, ‘Universal and Holistic Health’, and ‘Connecting Science with Society & Culture’. Our detailed recommendations are as follows:

Clean Energy for a Greener Future

1. Energy underpins and is essential to human and economic development. However, today’s dominant energy systems are contributing to climate change and other adverse environmental and health impacts. The Intergovernmental Panel on Climate Change (IPCC) which represents the best available science noted in 2019 that energy, transport, and industry sectors contributed to 72% of the total direct emissions of 59 Gigatons of Carbon Dioxide (GtCO₂). Clean and affordable energy, adopted by the United Nations (UN) as the Sustainable Development Goal (SDG) 7 is essential for a sustainable future for humanity and, therefore, needs urgent attention.
2. During the last decade, significant advances in innovation and deployment have led to reductions in the cost of low-carbon/emission technologies such as solar photovoltaic (PV) and wind. This opens up many opportunities for decarbonization at scale. At the same time, several challenges remain – utility scale storage solutions and decarbonization of heavy industry and transport remain expensive or are yet to be deployed at scale. Given the urgency of the climate challenge, the pace of this clean energy transition needs to be greatly accelerated. This is due to the role of the energy sector as a major greenhouse gas (GHG) contributor and the broad consensus on the need to achieve global net-zero GHG emissions by or around mid-century.
3. Equity considerations have increasingly become central to the discourse and must now play a key role in the energy transition. At the global level, countries have contributed to cumulative GHG emissions to different degrees and are at different levels of development, capability, and vulnerability. Similarly, the question of justice arises at sub-national levels too, as massive systemic transitions are highly likely to have significant distributional implications on economic and employment structures. Such issues, and exploration of ways to address them, have gained more traction recently.
4. These issues need to be addressed not only for ethical reasons but also practical reasons, since not engaging adequately with these issues may well impede the clean energy transition.
5. One of the outcomes has been an increasing focus on “Just Transitions”, which, in the broadest sense, aim to leave no one behind. While much of the attention is on those who will be disadvantaged by the transition (such as workers, communities, and nations that depend on fossil fuels), if it is to be truly inclusive, we need to also focus on those who lack access to clean energy.

The full 2023 G20 Statement can be found at www.rsc-src.ca.

COEE 2023

In partnership with the University of Waterloo, the RSC is delighted to present the 2023 Celebration of Excellence and Engagement (COEE2023) in Waterloo, Ontario beginning on Wednesday, November 15.

Program Highlights

University of Waterloo Showcase and Welcome Reception

Wednesday, November 15 | 4:00pm - 10:00pm | Delta Waterloo Hotel

COEE2023 begins with an evening of discovery and interaction with interdisciplinary displays from University of Waterloo's centres, institutes, and campus Tours. Take the opportunity to network and connect with colleagues throughout the evening and wrap up your day with a reception at 8:30pm at the Delta Hotel Waterloo.

University of Waterloo Research Symposium: Health and Wellbeing for All by 2030: Application of technology to global health problems

Thursday, November 16, 2023 | 8:30am - 4:00pm | Fed Hall, University of Waterloo

Transformative research, experiential education, and entrepreneurship are the foundations for addressing complex health challenges. The symposium's theme is health technology and its applications: big data, mobile health monitoring, remote health monitoring, advances in imaging, and nanomedicine for gene therapy. Preparing for the future demands more than technology development; it requires motivated researchers, students, and alumni to nurture ideas into innovation and find new health data applications that create an equitable landscape of access to care while working in partnership with clinicians, patients, healthcare providers, technology companies, and the innovation ecosystem. This symposium examines the seismic shift happening today and illuminates the opportunity to leverage our tradition in advancing the design of human-centred solutions responding to the needs of Canadians for a healthier future.



Presentation of the New Members of the College

Thursday, November 16 | 6:00pm - 7:30pm | Fed Hall, University of Waterloo

The Presentation of the Members of The College formally welcomes new Members in a format that showcases the interdisciplinary character of the College. The event will be livestreamed, and is open in-person to RSC Members, Institutional Members, family, friends, and colleagues.



Awards Ceremony

Friday, November 17 | 12:00pm - 1:30pm
Fed Hall, University of Waterloo

The Awards Ceremony features the presentation of a series of prestigious honours to individuals for their exceptional contributions to a variety of disciplines. This event is open to all RSC Members, Institutional Members, family, friends, and colleagues.

Induction Ceremony

Friday, November 17 | 3:00pm - 6:00pm | Fed Hall, University of Waterloo

The Induction Ceremony welcomes new RSC Fellows in a historic format that invites each new Member to cross the stage and sign the membership register that has been signed by all new Members since 1883. This event is open to all RSC Members, Institutional Members, family, friends, and colleagues. A reception follows the event at Delta Waterloo Hotel.

RSC Gala

Saturday, November 18 | 6:30pm - 9:30pm | Concordia Club

The gala is the crescendo event of the celebration weekend, focusing on the experience of our honorees and those who have supported them and continue to support them in their pursuits.

rscBRAVOsrc Videos

Each year the RSC invites each incoming Member to submit a brief video highlighting their scholarship, research or mode of expression.

Partners

The RSC would like to thank our partners whose support made the 2023 Celebration of Excellence & Engagement possible.

Presenting Partner



Celebration Partners



Excellence Partners



Media Partner



UNIVERSITY OF
WATERLOO



INNOVATING THE FUTURE OF HEALTH. ON IT.

The University of Waterloo's Strategic Health Initiatives bring together researchers from technology, health and social sciences to redesign the future of health to advance well-being, healthy aging and equitable care.

YOU+WATERLOO

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Waterloo is on it.*

uwaterloo.ca/global-futures





ALUKO, Rotimi | Department of Food and Human Nutritional Sciences, University of Manitoba

Rotimi Aluko, Professor and Tier 1 Canada Research Chair, has pioneered research on the production and use of novel food proteins as nutritional tools to maintain human health and prevent diseases. His groundbreaking work has established the structural and functional basis to facilitate the development of food-derived peptides as potent health-promoting agents. In 2022 he received the American Oil Chemists' Society Lifetime Achievement Award for Protein and Co-Product research.



ASOKAN, N. | Cheriton School of Computer Science, University of Waterloo

Dr. Asokan is a leader in systems security, especially in the context of security protocols and security of mobile devices. He is widely acknowledged for his pioneering research on fair-exchange protocols, trusted device pairing, and mobile trusted execution environments that has had widespread impact both in academic research, including three books, and in real-world practice, leading to large-scale deployment.



BALOT, Ryan | Department of Political Science, University of Toronto

Ryan Balot is widely regarded as one of the most talented, most intellectually ambitious, and most accomplished scholars currently working in the area of classical ethical and political thought. He is the author of three influential books on the thought of the ancient Greeks. Balot's work teaches us that we can continue to learn invaluable lessons from ancient democratic thought and experience.



BENGTSON, Jonathan | University Librarian, University of Victoria

Jonathan Bengtson has been a library director in the UK, USA, and Canada over the past 25 years. He has helped develop innovative knowledge infrastructure that is transforming librarianship, open scholarship, and scholarly communication. Bengtson has extensive experience with digitization initiatives, helping to bring research collections to a global audience. He is founder of KULA: Knowledge Creation, Dissemination, and Preservation Studies, and chair of the Canadian Coalition of Digital Heritage.



BENNETT, Elena | Department of Natural Resource Sciences and the McGill School of Environment, McGill University

Elena Bennett is a world leader in ecosystem service science, synthesizing across disciplines to improve sustainable management of natural resources. Her pioneering body of work has led to a deeper understanding of the role of ecosystem service interactions, and the ways that human interaction with nature influences landscape resilience. She wants to know when and how human activity can enhance the integrity of complex landscapes rather than detract from it.



BLOOM, Paul | Department of Psychology, University of Toronto

Paul Bloom is a cognitive scientist who studies how children and adults understand the world, with special focus on pleasure, morality, and art. He is past-president of the Society for Philosophy and Psychology, and co-editor of Behavioral and Brain Sciences. He has written for popular outlets like The New York Times and The New Yorker, and is the author of seven books, including Psych: The Story of the Human Mind.



BRIAND, Lionel | Faculty of Engineering, University of Ottawa

Canada Research Chair (Tier 1) in Intelligent Software Dependability and Compliance at the University of Ottawa, Lionel Briand has led groundbreaking and impactful research in software engineering, contributing to scalable and effective methods for the verification and validation of software systems, as well as their quality assurance. His novel approaches, which rely on Artificial Intelligence, have enabled the design of intelligent solutions to ensure the reliability, safety and security of software systems.



BROWN, Eric | Department of Biochemistry and Biomedical Sciences, McMaster University

Eric Brown is a Distinguished University Professor at McMaster University in the Department of Biochemistry and Biomedical Sciences. He is known for a large body of top-flight research in antibiotic discovery. His research team is innovating in diverse areas of drug discovery using tools of chemical and systems biology to probe the complexity that underlies disease. He is especially curious about technology and discoveries with promise in creating breakthrough therapies.



CALCAGNO, Antonio | Department of Philosophy, King's University College

An internationally renowned Continental philosopher, Antonio Calcagno specializes in social and political theory across multiple areas. His work in early Phenomenology focuses both on canonical thinkers and the archival and interpretive recovery of women philosophers who were foundational for the Phenomenological Movement. He has been a key figure in introducing contemporary Italian philosophy to the Anglosphere, and building on his scholarly work has developed a provocative new theory of “the impasse.”



CAMBROSIO, Alberto | Department of Social Studies of Medicine, McGill University

A professor at McGill University’s Department of Social Studies of Medicine, Alberto Cambrosio’s work focuses on the socio-material culture of biomedical practices, and in particular on the study of the application of modern bio-clinical techniques to the diagnosis and the therapy of cancer, the development of innovative cancer clinical trials, and the emergence of heterogeneous translational research networks of clinicians, researchers, patients, and pharmaceutical companies.



CARDIN, Michel | Département de musique, Université de Moncton

Recognized as one of today’s foremost lutenists, Michel Cardin has won international acclaim as a performer, teacher, musicologist and producer. His 12-CD set covering the complete works of the great master Silvius Leopold Weiss is recognized as a world reference, as evidenced by the rave reviews it received internationally. He has performed all over the globe, founded various ensembles and music festivals, and published musicological articles, in six languages, as well as several music scores, which are also considered world references.



CARRINGTON, Tucker | Faculty of Arts and Science, Queen’s University

Tucker Carrington is a chemical physicist who develops and applies new methods for computing vibrational and ro-vibrational spectra, scattering cross sections and rate constants. The common theme of his research is understanding the motion of atoms. Many of the computational methods he has developed use iterative linear algebra techniques and exploit the structure of basis sets to make it possible to do calculations without storing or computing a Hamiltonian matrix.



CAZORLA-SÁNCHEZ, Antonio | Department of History, Trent University

Antonio Cazorla-Sánchez is an internationally recognized historian of political violence and dictatorship in 20th-century Europe, especially of the Spanish Civil War and the Francisco Franco regime. A prominent participant in the important public debates about Spain’s difficult past and how it is remembered, he is well-known for his innovative contributions to public history, including co-founding and co-directing Spanish Civil War: A Virtual Museum, the world’s first museum about the conflict.



CHAPMAN, Alison | Department of English, University of Victoria

Alison Chapman is the leading scholar of Victorian poetry in Canada, with an exceptional international reputation for transforming the field. She has centred it within the study of nineteenth-century literature and culture, forged new methodologies and critical paradigms, and uncovered the work of many unjustly neglected and marginalized poets, particularly women. By embracing digital humanities, she has made Victorian poetry and poetics accessible.



CHAU, Tom | Institute of Biomedical Engineering, University of Toronto

Tom Chau is a Senior Scientist at Holland Bloorview Kids Rehabilitation Hospital and a Professor in the University of Toronto's Institute of Biomedical Engineering. His research focuses on the development of novel access pathways for children and youth with severe physical impairments. Professor Chau's achievements include the development of novel non-invasive brain computer interfaces (BCIs), the establishment of the world's first pediatric BCI clinic, and several

groundbreaking communications technologies.



CHEEK, Timothy | Department of History and School for Public Policy and Global Affairs, The University of British Columbia

Historian Timothy Cheek commands international attention for his field-changing research into modern Chinese intellectuals and the Chinese Communist Party. His global stature attests to first-rate scholarship characterized by a singular ability to make connections across disciplines and continents. Cheek's prodigious research, manifest in works like *The Intellectual in Modern Chinese*

History, has bridged China's past and present, international scholarly communities, and the spheres of academia and public policy.



CHEN, Tongwen | Department of Electrical and Computer Engineering, University of Alberta

Tongwen Chen, a Professor and Tier 1 Canada Research Chair in Intelligent Monitoring and Control at the University of Alberta, is internationally recognized in the field of Control Systems for his influential and groundbreaking research contributions to sampled-data control, multirate systems, networked control and event-triggered systems, and advanced alarm management and design. He is a

Fellow of the International Federation of Automatic Control and Institute of Electrical and Electronic Engineers.



CHENG, Frank | Department of Mechanical & Manufacturing Engineering, University of Calgary

Frank Cheng is an internationally recognized leader in energy pipeline research. His innovative approaches to integrate advanced micro- and nano-electrochemical techniques with modern computational modeling open understandings into the microscopic world of pipeline corrosion. His defect assessment technique provides accurate diagnosis of pipeline performance conditions. He

conducts game-changing work exploring hydrogen-steel interactions at an atomic scale and reinvigorates gaseous hydrogen embrittlement research, contributing to repurposing of existing natural gas pipelines for hydrogen transport.



COLIJN, Caroline | Department of Mathematics, Simon Fraser University

Canada 150 Research Chair Caroline Colijn is an expert in mathematical modelling who has made fundamental contributions over 15 years to advancing understanding of the epidemiology and evolution of pathogens. Winner of the 2020 Radio Canada Scientist of the Year award, Colijn is one of Canada's most trusted authorities for conveying scientific research on the COVID-19 pandemic in ways that inform policy and build public trust in science.



COLLINS, Louis | Faculty of Medicine and Health Sciences, McGill University

Louis Collins is a world authority in computational neuroimaging. He has made significant contributions in the development of innovative software tools to align, segment and analyze medical images. He invented original intra-operative ultrasound techniques to correct for brain shift in image-guided navigation in neurosurgery. He pioneered ground-breaking computational methodologies and mathematical modeling techniques to study the brain's structure and function using neuroimaging, predominantly in neurodevelopment and neurodegenerative disorders.



CÔTÉ, Isabelle | Department of Biological Sciences, Simon Fraser University

Isabelle Côté transformed the understanding and conservation of marine ecosystems over three decades of pathbreaking research and science leadership. She laid the groundwork for rigorous empirical studies and overturned dominant assumptions through contributions to theory and methodology. Her findings present a comprehensive view of ecological change in these species-rich habitats. A skilled science communicator, she influences policy and practice for more effective management of tropical and temperate coastal ecosystems.



CUI, Shuguang | School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen

Shuguang Cui is a world-class researcher with contributions to the impactful communication system energy-profiling framework, efficient cooperative spectrum sensing algorithms, and AI vs. communication merging mechanism. He has established leadership in IEEE as committee chair and journal Editor-in-Chief. He is an IEEE Fellow and a Highly Cited Researcher.



DAUTENHAHN, Kerstin | Department of Electrical and Computer Engineering, University of Waterloo

Kerstin Dautenhahn is full professor and Canada 150 Research Chair in Intelligent Robotics. She has pioneered research in social robotics and human-robot interaction, and published more than 400 articles in peer-reviewed journals and conferences. Her work is very interdisciplinary, at the intersection of robotics, psychology, computer science and assistive technology. In addition to understanding fundamental mechanisms of human-robot interaction, she is focusing on applications of assistive robot in education, therapy, as well as health and wellbeing contexts.



DAWSON, Jackie | Department of Environmental Geography, University of Ottawa

Jackie Dawson is a Full Professor, Tier I Canada Research Chair in the Human and Policy Dimensions of Climate Change, and the Scientific Director of ArcticNet. An internationally-recognized leader in Arctic Studies, her interdisciplinary, collaborative research engages both Inuit communities and organizations, and also the public and private sectors. Her research has a significant influence on public policy, leading to innovative solutions to crucial issues impacting northern economic development and marine transportation.



DENOV, Myriam | School of Social Work, McGill University

Myriam Denov is a Full Professor and Tier 1 Canada Research Chair in Children, Families and Armed Conflict at McGill University. Her work investigates the lasting effects of war on children and families. Through her use of participatory and arts-based research methods, her investigation of child soldiers, and the gendered realities of war, her work has opened up new lines of inquiry and drawn international attention to war-affected children.



DIATCHENKO, Luda | Faculty of Dentistry and Medicine, McGill University

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



DOBBS, Matt | Department of Physics, McGill University

Matt Dobbs has made ground-breaking contributions to astronomical instrumentation, inventing keystone technology that has made possible a new generation of millimeter and radio wavelength telescopes—notably CHIME and the South Pole Telescope. He has collaborated to use these instruments for some of the most important recent measurements in the fields of observational cosmology and fast radio transients. He leads or co-leads collaborations designing and building Canada’s leading new astronomical facilities at these wavelengths.



DRIEDGER, S. Michelle | Max Rady College of Medicine, University of Manitoba

S. Michelle Driedger is a Red River Métis scholar and an interdisciplinary academic leader bringing together science policy, risk communication, health geography, and decolonizing approaches to understanding how new and emerging risk and public health controversies develop in science, policy, and public forums. She evaluates how health risk communicators can better engage with public audiences to build trust to empower individuals to adopt recommended protective behaviours for themselves and their families.



DUPUIS-BLANCHARD, Suzanne | École de science infirmière, Université de Moncton

Suzanne Dupuis-Blanchard is an expert who has gained worldwide recognition for her remarkable and innovative contributions to the field of aging. A pioneer in acknowledging the value of home care, particularly for French-speaking seniors in minority language communities, her most significant contributions range from her community health nursing practice innovations to her studies leading to the design of new and creative interventions. The quality and relevance of her work have been recognized by her peers, and the results of her research have had far-reaching impacts on our aging society.



EDELSTEIN-KESHET, Leah | Department of Mathematics, The University of British Columbia

A leading researcher in Mathematical Biology, Leah Edelstein-Keshet served as the first woman president of its learned society (SMB). Her book (in the Society for Industrial and Applied Mathematics “Classic” series) is a favorite in the field, enjoyed by thousands of aspiring students. She uses mathematical models to probe the biological mysteries of how living cells polarize, migrate, interact, and self-organize collectively.



EMERY, Carolyn | Faculty of Kinesiology, University of Calgary

Carolyn Emery is an injury epidemiologist and physiotherapist. She holds a Canada Research Chair in Concussion and is Chair of the Sport Injury Prevention Research Centre at the University of Calgary. Carolyn leads innovative and transdisciplinary research in the prevention and management of child and adolescent sport-related injuries, concussions, and their consequences. Her research has had significant public health impact globally in reducing injury burden through novel, effective, and sustainable injury prevention solutions.



FAHRNI, Magda | Département d'histoire, Université du Québec à Montréal

Magda Fahrni, a historian at the Université du Québec à Montréal, has built an outstanding record of achievements. Her expertise in women's and family history, in the history of Montreal and in the social history of health is recognized internationally, and in particular in Quebec and English Canada. Her many and varied publications, major awards and numerous grants reflect her international reach and the outstanding quality of her research.



FARAJ, Samer | Desautels Faculty of Management, McGill University

Samer Faraj (Canada Research Chair in Technology, Innovation and Organizing) is an internationally recognized management scholar recognized for his contributions to the study of expertise coordination in teams, online knowledge communities, complex collaboration in the workplace, and the transformative effects of emerging technologies on existing and novel forms of organizing. Currently, he is investigating collaboration and organizing within the Canadian healthcare sector, particularly exploring the potential of emerging technologies to enhance healthcare provision.



FOGEL, Joshua | Department of History, York University

Historian Joshua Fogel is internationally renowned for pioneering the study of China and Japan together rather than treating them as separate entities. CRC in East Asian Studies from 2005 to 2019, his influential, prize-winning scholarship on the entangled histories of the two countries has appeared in English, Japanese and Chinese. A keen advocate of translation for knowledge sharing, he has translated 30+ volumes into English from Chinese, Japanese and Yiddish.



FORCHUK, Cheryl | Arthur Labatt Family School of Nursing, Western University

Cheryl Forchuk is the Beryl and Richard Ivey Research Chair in Aging, Mental Health, Rehabilitation and Recovery, Parkwood Research Institute. She is a Distinguished University Professor at the Arthur Labatt Family School of Nursing (Western University) with a cross appointment to the Department of Psychiatry, Schulich School of Medicine and Dentistry. Dr. Forchuk uses participatory approaches to develop and test solutions including transitional discharge, technology in mental health care, poverty, housing, and homelessness. She has published 12 books and over 200 journal publications.



GÄNZLE, Michael | Department of Agricultural, Food and Nutritional Science, University of Alberta

Michael Gänzle is a world-renowned scientist and Canada Research Chair in Food Microbiology and Probiotics, whose discoveries in such areas as the metabolism of different microorganisms, food fermentations, and food safety have had global and local impacts, ranging from fundamental science to the improvement of people's everyday lives. As a global leader, and his findings have improved food industry practices, created healthier foods, and improved food safety practices and regulations.



GARNEAU, David | Department of Visual Arts, University of Regina

David Garneau (Métis) is a Professor of Visual Arts at the University of Regina. He is a painter, curator and critical art writer who engages creative expressions of Indigenous contemporary ways of being. Garneau has given keynotes in Australia, New Zealand, the United States, and throughout Canada. His paintings are in numerous public and private collections. He was awarded the Governor General's Awards in Visual and Media Arts: Outstanding Achievement.



GERLAI, Robert | Department of Psychology, University of Toronto Mississauga

Robert Gerlai is Distinguished Professor of Behavioural Neuroscience at the Department of Psychology, University of Toronto Mississauga. He received his PhD in 1989, and held numerous academic and biotech industry leadership positions in Europe and North America before joining UTM in 2004. He is an award winning internationally renowned leader in behavioural genetics who is considered as the father of zebrafish behavioural neuroscience research, publishing well over 300 papers on this topic.



GERSTEIN, Hertzel | Department of Medicine, McMaster University

Hertzel Gerstein is a trailblazing diabetes researcher at McMaster University who has helped transform diabetes into one of the most evidence-based fields in medicine. His transdisciplinary approach, and patient-informed clinical trials, focuses on links between diabetes, cardiovascular, cognitive, and renal outcomes, and has yielded novel insights into the prevention, remission and care of people with diabetes, and in the prevention of diabetes in those at greatest risk.



GREENWOOD, Margo | Department of Education, University of Northern British Columbia

Margo Greenwood is an internationally recognized Indigenous scholar of Cree ancestry. She is a researcher and author with 30+ years' experience in health fields. A Professor at the University of Northern British Columbia, she has worked extensively in health research, particularly in Indigenous health and wellbeing, and has received many awards for her academic, community, and advocacy work. She is a Canadian Senator and Officer of the Order of Canada.



GROSJEAN, Sylvie | Département de communication, University of Ottawa

International Francophonie Research Chair on Digital Health Technologies, Sylvie Grosjean is internationally recognized for her innovations in communication and health, particularly in the context of Canadian and international francophonie issues. She developed a co-design approach that contributes to the development of patient- and family-need-focused technological innovations, and her work on the use of telemedicine is helping to improve remote medical care practices.



HALVERSON, Galen Pippa | Department of Earth and Planetary Sciences, McGill University

Galen Pippa Halverson is a stratigrapher, sedimentologist, and isotope geochemist who interrogates the sedimentary and stratigraphic record to infer geographic, tectonic, and environmental information about the ancient Earth. He is among the world's foremost expert on the era of Earth history between 1.7 and 0.6 billion years ago, an era that encompassed the assembly and disintegration of the supercontinent Rodinia and early diversification of eukaryotic organisms.



HATHAWAY, James Curtis | University of Michigan Law School

James Curtis Hathaway is the world's leading refugee law scholar. Over the past four decades, his voice has reshaped the way courts, policy makers, and scholars around the world understand refugeehood and the rights of refugees. Hathaway has devoted himself to social justice, in particular to ensuring that human rights inform how judges and policymakers around the world approach refugee protection. His scholarship has ensured Canada's leadership in this field.



HIGGS, Eric | Department of Environmental Studies, University of Victoria

Eric Higgs's pioneering research on ecological restoration has been transformational for both scientists and practitioners and he has brought international public and policy focus to restoring damaged ecosystems. A global leader who has long championed interdisciplinary science in the study of complex environmental challenges, his long-term mountain-based restoration field research has built the largest systematic collection of historic and repeat mountain photographs in the world—a unique Canadian research platform.



HIRDES, John | School of Public Health Sciences, University of Waterloo

John Hirdes is a University Professor in the School of Public Health Sciences, University of Waterloo. He is the senior Canadian Fellow and a Board Member of interRAI, an international consortium of researchers, clinicians and policy experts from over 40 countries. His primary areas of expertise include health assessment, mental health, aging, health services research, performance measurement, international comparisons, and quantitative research methods.



HODGINS, David | Department of Psychology, University of Calgary

David Hodgins is one of the world's most eminent scholars of addiction studies whose influential work advances scientific inquiry and practice. His research and leadership in international initiatives have set directions in science and interventions for addictions, profoundly changing how scholars, practitioners, and policymakers understand the psychology of gambling. Hodgins' widely adopted treatment and relapse prevention interventions for gambling problems have helped thousands of individuals and their families worldwide.



HOROWITZ, Sara R. | Department of Humanities, York University

Sara R. Horowitz is internationally renowned for her innovative scholarship on Holocaust literature and Jewish literature and culture. Her award-winning writing on the intersections of history, memory and imagination has fundamentally reshaped the ways that literary scholarship, historiography, and other disciplines understand narratives of testimony, trauma, and genocide. Her groundbreaking multidisciplinary work on gender and sexuality exerted a far-reaching effect on both Holocaust and Jewish studies and on cognate fields.



HUANG, Yonggang | Departments of Civil and Environmental Engineering and Mechanical Engineering, Northwestern University

Yonggang Huang is the scientific pioneer of two transformative technologies—stretchable electronics, and mechanics-guided deterministic 3D assemblies. His vision laid the scientific foundations in these areas, leading to important applications in bio-integrated/bio-inspired electronics. The profound impact he has had on engineering science, including his seminal contributions to establishing microscale plasticity theory and extending classical continuum mechanics to the nano-scale makes him the highest cited solid mechanician in the world.



JOHNSON, Catherine L. | Department of Earth, Ocean and Atmospheric Sciences, The University of British Columbia

Catherine Johnson is a global leader in studies of terrestrial and planetary magnetism. Catherine's work addresses fundamental questions related to how terrestrial planets and moons form and how their interiors function. Through key roles on science teams for NASA missions, she has pioneered studies of interactions among planetary magnetic fields, deep interior processes and the solar wind. Catherine is a Fellow of the American Geophysical Union and a member of the American Academy of Arts and Sciences and the National Academy of Sciences.



KAZIMI, Ali | Department of Cinema and Media Arts, York University

Ali Kazimi is an internationally celebrated documentary filmmaker and media artist, whose work gives voice and visuals to the untold and complex stories of racialized and Indigenous peoples, exposing social and historical injustices. Known for his innovative use of found footage and stereoscopic 3D film, Kazimi's intimate portraits of these lived experiences, force us to confront the effects and legacy of colonialism and racism in Canadian society and beyond.



KESSELRING, Krista J. | Department of History, Dalhousie University

Krista J. Kesselring’s innovative scholarship embraces the disciplines of legal, social, and political history. The creativity, range, and scrupulosity of her research on such issues as the foundations of the modern state, the balance of punishment and clemency in political legitimacy, and the consideration of gender in the application of the law imaginatively contextualize issues of immediate relevance to our own times.



KOSCHINSKY, Marlys | Department of Physiology & Pharmacology, Western University

Marlys Koschinsky is recognized worldwide as a leading expert on the structure, metabolism and pathophysiology of lipoprotein(a). She is a highly respected thought leader and collaborates with diverse groups of global stakeholders. Prof. Koschinsky has an outstanding track record in dissemination of her research through publications, invited presentations, and participation in formal scientific statements. She continues to contribute seminal findings to inform this important area of cardiovascular research.



KODUR, Venkatesh | Department of Civil and Environmental Engineering, Michigan State University

Venkatesh Kodur, University Distinguished Professor at MSU, is an internationally recognized scholar and leader for his contributions in advancing fire safety science and civil engineering fields. This Royal Society of Canada Fellowship is in recognition of his outstanding contributions for enhancing fire safety in buildings and built infrastructure and his commitment for minimizing the destructive impact of fire, through outstanding research, extensive outreach, and effective deployment of advanced knowledge.



LANIUS, Ruth | Department of Psychiatry, Western University

Ruth Lanius, Harris-Woodman Chair in Mind Body Medicine, is world renowned for her research in PTSD. Her group’s research on defining and characterizing the brain underpinnings of PTSD subtypes has played an instrumental role in the addition of the dissociative subtype of PTSD to the most recent Diagnostic Statistical Manual in Psychiatry-5, which guides psychiatric assessment and treatment nationally and internationally. Her research team focuses on studying novel brain guided treatments for PTSD and translating science to inform clinical practice on a global level.



LEON-GARCIA, Alberto | Edward S. Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto

Alberto Leon-Garcia’s pioneering research on integrating information flows paved the way for today’s multiservice Internet. His prototypes and testbeds explore and validate virtualization methods for automated management of massive-scale infrastructures in telecom, power and transportation. His demand-response algorithms for power grids are stimulating research on pricing and incentives to reduce carbon footprint. His current focus on efficient and scalable analytics pipelines is transforming anomaly detection in IoT, operations, and cybersecurity.



LETOURNEAU, Nicole | Faculty of Nursing and Cumming School of Medicine, University of Calgary

Nicole Letourneau, PhD RN FCAHS FAAN FCAN FRSC, is Professor in the Faculty of Nursing and Cumming School of Medicine, University of Calgary. She holds a Research Excellence Chair in Parent and Child Health, is Scientific Director of the Alliance against Violence and Adversity (AVA) CIHR Health Research Training Platform, and studies child mental health and development in the context of parental depression, violence and other early adversities.



LEYTON-BROWN, Kevin | Faculty of Science, The University of British Columbia

Kevin Leyton-Brown is a professor of Computer Science and a Distinguished University Scholar at the University of British Columbia, a Canada CIFAR AI Chair at the Alberta Machine Intelligence Institute and an associate member of the Vancouver School of Economics. He received his PhD and M.Sc. from Stanford University (2003; 2001) and B.Sc. from McMaster University (1998). He studies artificial intelligence, mostly at the intersection of machine learning and (1) the design and operation of electronic markets and (2) the design of heuristic algorithms.



LI, Jonathan Jun | Faculty of Environment & Faculty of Engineering, University of Waterloo

Jonathan Jun Li is an internationally recognized leader and authority in pointgrammetry and remote sensing. He pioneered the AI-based theory and technology to create high-definition maps using mobile LiDAR point clouds and earth observation images. His breakthrough research has advanced geomatics and 3D vision, shaping the development of autonomous driving and urban digital twins, and produced successful startups. He is a fellow of Canadian Academy of Engineering, Engineering Institute of Canada, and IEEE.



LOVE, Jennifer | Department of Chemistry, University of Calgary

Jennifer Love received her PhD from Stanford University and was an NIH-funded postdoctoral fellow at Caltech. She is a Professor at the University of Calgary, after beginning her career at the University of British Columbia. She has received numerous awards and has served on numerous boards (currently President of the Canadian Society for Chemistry and Chair of the Editorial Board of Chemical Society Reviews). Her program spans the traditional boundaries of organic and inorganic chemistry. Her research program aims to discern the fundamental reactivity of late transition metal catalysts to develop new, cost-effective and low-waste reactions for the synthesis of new materials and pharmaceuticals.



LUGINAAH, Isaac | Department of Geography and Environment, Western University

Isaac Luginah, a Distinguished University Professor at Western University, is a global leader in environment and health research. His transdisciplinary research addresses how complex environmental issues are radically changing health landscapes in the face of increased burdens from environmental change, food systems and exposure in developed and developing countries. His path-making work in Africa and North America has made strong theoretical and methodological contributions, addressing environmental hazards and health inequities.



LUKE, Graeme | Department of Physics and Astronomy, McMaster University

Graeme Luke is a Professor of Physics at McMaster University and an Affiliated Scientist at TRIUMF. Luke is a leading expert in the application of muon spin rotation/relaxation to the study of quantum matter. He has made important contributions to the study of high-temperature superconductors and identified broken time reversal symmetry in a variety of unconventional superconductors. His work on geometrically frustrated magnetism has identified new emergent magnetic states.



MacEACHERN, Alan | Department of History, Western University

Alan MacEachern has been a leader in the field of environmental history nationally and internationally for the past quarter century. He was the founding director of NiCHE, a highly successful Canadian network for humanities and social science scholars working at the intersection of nature and history. A public-facing scholar who has written broadly for the popular press, he is also renowned for his scholarly writing on the history of Atlantic Canada and of national parks.



MACLURE, Jocelyn | Department of Philosophy, McGill University

Jocelyn Maclure is recognized as both an internationally leading academic philosopher and one of the most relevant public intellectuals in the Quebec and Canadian public spheres. First known for his work in moral and political philosophy on the pluralism of values, public reason, human rights and cultural diversity, he has established himself as one of the main thinkers of secularism, laïcité and freedom of conscience and religion.



MAO, Scott X. | Department of Mechanical and Materials Science, University of Pittsburgh

Scott X. Mao has made significant contributions on deformation physics and fracture mechanics of materials and is a pioneer in atomic scale experimental mechanics with over 300 publications, and 100 plenary, keynote, and invited talks. He serves as editor in-chef and editor of two international journals. He has been honored by awards of the fellow of Canadian Academy of Engineering, APS, IAAM, ASME, Vebleo and the John Swanson Endowed Professor.



MARTIN GINIS, Kathleen | Department of Medicine, The University of British Columbia

Kathleen Martin Ginis is the international authority on physical activity behaviour-change interventions and psychosocial outcomes in people with disabilities. Her innovations in theory, measurement, intervention design and knowledge-translation are used worldwide. She has led international teams that have developed, tested, published and implemented hundreds of evidence-based tools and programs, while advancing scientific rigour and understanding of physical activity behaviour among people with disabilities.



McTAVISH, Lianne | Department of Art & Design, University of Alberta

Lianne McTavish is internationally acclaimed for investigating the complexity of the visual realm. Her analyses of seeing as an embodied, historical, and cultural activity have transformed multiple disciplines, including the history of medicine, critical museology, and cultural studies of health and fitness. When working collaboratively with diverse colleagues, she has participated in creative research projects that both challenge and reshape understandings of illness, disability, gender, class, and settler-colonial identity.



MOFFAT, Jason | Department of Molecular Genetics and Institute for Biomedical Engineering, University of Toronto

Jason Moffat is a world leader in functional genetics and genomics. His work focuses on developing technologies and analytical approaches to systematically explore human gene functions. His research involves interdisciplinary science that includes quantitative experimental biology, computational biology, bioinformatics, and models of disease. His lab has developed gene perturbation resources to catalog essential genes, genetic interactions and drug-gene interactions in order to identify therapeutic targets for both rare and complex diseases.



MORIN, Michel | Faculté de droit, Université de Montréal

Having deconstructed historiographical clichés that had gained currency over the years, Michel Morin has renewed our view of the relationship established between Indigenous and European legal traditions since they first came into contact, including of the sovereignty disputes that ensued, and our ways of analyzing the complex evolution of the law in New France and Quebec following the British conquest. His work brought a new perspective to the study of law in Canada and the Americas, and has had a profound international impact.



MYRE, Nadia | Department of Studio Arts, Concordia University

Nadia Myre is a member of the Kitigan Zibi Anishinabeg First Nation and the Canada Research Chair in Indigenous Arts Practice at Concordia University. An interdisciplinary artist and educator, Myre considers how Aboriginal presence, worldviews, and contributions to contemporary society can be foregrounded in the public realm. In the hope of reconciliation, she asks what stories and histories need to be recollected and shared to shore our collective memory against the amnesic colonial narrative.



NEEL, Benjamin G. | Department of Medicine, New York University

Benjamin G. Neel is Director of Perlmutter Cancer Center and Professor of Medicine at NYU Langone Health. He has made multiple contributions to signal transduction, cancer cell biology, and mouse models of disease. He co-discovered oncogene activation by slowly-transforming retroviruses, established the roles of several protein-tyrosine phosphatases and their binding proteins in cancer, diabetes/obesity, developmental disorders and inflammation/auto-immunity, and advanced Canadian Science as Director of the Princess Margaret Cancer Centre.



OEGEMA, Gerbern S. | School of Religious Studies, McGill University

Gerbern S. Oegema studied Biblical Studies, Jewish Studies, and Religious Studies in Amsterdam, Jerusalem, Berlin and Tübingen. He has taught and lectured in Europe, Israel, the United States and Canada. He is currently Professor of Biblical Studies in the School of Religious Studies at McGill University. He specializes on Second Temple Judaism and Christian Origins and is the author of more than twenty books and co-editor of several book series.



OZA, Amit | Department of Medical Oncology, University of Toronto

Amit Oza has dedicated his career to women diagnosed with gynecologic cancers that affect the female reproductive tract and has led or participated in more than 100 trials. This work resulted in the clinical approval and use of precision medicine drugs (antiangiogenics and PARP inhibitors) in ovarian cancer in Canada and internationally. His research has uncovered biology driving treatment resistance and continues to shape drug development efforts.



PAI, Madhukar | School of Population and Global Health, McGill University

Madhukar Pai is a Canada Research Chair in Epidemiology and Global Health at McGill University. His innovative, multi-disciplinary research on improving the care of tuberculosis has informed many national and international policies. His ground-breaking work on patient-centered assessment of quality of care in low- and middle-income countries has now been adapted in many countries. He is a passionate advocate for addressing inequities and power asymmetries in global health.



PAUL, Lissa | Department of English Language & Literature, Brock University

Lissa Paul is the director the PhD Programme in Interdisciplinary Humanities at Brock University. Her attention to the small and the overlooked has resulted in high-impact projects in multiple disciplines including poetry for children, the foundational scholarly apparatus for studies in children's literature, the recovery of histories of 19th Century Barbadian fugitive enslaved people, and the transnational life and letters of forgotten 18th Century British author and teacher Eliza Fenwick.



PAUS, Tomáš | Département de psychiatrie et d'addictologie et Département de neurosciences, Université de Montréal

Tomáš Paus is a neuroscientist with a life-long interest in the functional and structural organization of the human cerebral cortex, and in the forces shaping developmental trajectories of brain health. He pioneered the combined use of brain stimulation and brain imaging to study neuronal connectivity, and he laid down the conceptual and practical framework for population neuroscience, a new discipline that combines neuroscience with epidemiology and genetics.



PEPLER, Debra | Department of Psychology, York University

Debra Pepler is a Distinguished Research Professor of Psychology at York University. Her innovative observational research has profoundly changed understanding of children's aggression, bullying, and relationships. Her research within clinical, educational, and Indigenous community settings highlights the importance of healthy relationships for healthy development. Through partnerships, she has translated science into practice, programming, and policy to improve the lives of children and youth in Canada and around the world.



PINEAU, Joelle | School of Computer Science, McGill University

Joelle Pineau has made deep, prolific and impactful contributions to machine learning and reasoning and planning under uncertainty, developing theoretical and algorithmic foundations, as well as innovative applications in a wide range of sectors including personalized and robot-assisted healthcare and human-computer interaction. Professor Pineau is a leader of her international research community, whose work has significantly improved experimental machine learning practice, and a champion of responsible artificial intelligence.



RAK, Janusz | Department of Pediatrics, McGill University

Janusz Rak introduced a new dimension into cancer studies by demonstrating that oncogenic molecules may propagate throughout tumour microenvironment, and systemically, as cargo of extracellular vesicles (exosomes). His work links intracellular cancer causation to multicellular host tissue responses, including vascular pathologies, such as tumour-associated angiogenesis and thrombosis, and provides the basis for using exosomes in liquid biopsy and molecular diagnosis of cancer. He holds Jack Cole Chair in Pediatric Hematology/Oncology.



RIOUX, Michèle | Département de science politique, Université du Québec à Montréal

Michèle Rioux is a Full Professor at the UQAM's Faculty of Political Science and Law Department of Political Science. Director of the Centre d'études sur l'intégration et la mondialisation, she is internationally recognized as an expert in the political economy of globalization. She has published numerous books and scientific papers—the impact of which speak to the quality of her research—while developing dynamic research partnerships with different practitioners in the industry, trade unions, as well as governmental and international organizations.



ROTIN, Daniela | Department of Biochemistry, University of Toronto

Daniela Rotin is a world leader in membrane proteins and their regulation by the ubiquitin system, which controls protein degradation. Her work has illuminated how ion channels, ion transporters, and growth factor receptors are eliminated when required, to ensure normal animal development and health throughout life. Her cutting-edge research revealed that aberrant regulation of these membrane proteins by the ubiquitin system leads to diseases such as hypertension and cancer.



SANDRED, Örjan | Desautels Faculty of Music, University of Manitoba

Örjan Sandred is a Swedish-Canadian composer and is since 2005 a Professor of Composition at the University of Manitoba in Canada where he founded Studio FLAT—a studio for Computer Music research and production. He taught composition at the Royal College of Music in Stockholm 1998-2005. In 2016 he was a DAAD visiting professor at Hochschule für Musik Detmold in Germany. In 2022 he was awarded a fellowship from the John Simon Guggenheim Memorial Foundation.



SCHIMMER, Aaron | Princess Margaret Cancer Centre, University Health Network, University of Toronto

Aaron Schimmer is an international authority in cancer research focused on blood cancers known as leukemia. Through multiple pioneering discoveries, he has demonstrated how mitochondrial and metabolic pathways influence the development and progression of acute myeloid leukemia. As a clinician-scientist, he has translated these breakthroughs into the clinic by launching early phase clinical trials to evaluate new treatments for the disease.



SCOTT, Daniel | Geography and Environmental Management, University of Waterloo

Daniel Scott is a globally recognized and respected researcher regarding sustainable tourism and climate change. He has influenced policy outcomes at municipal, provincial, national and global scales, in many countries and regions, and is recognized as one of most prolific, cited and internationally connected scholars in his field. His research also has been reported in media around the world (eg., NY Times, Wall Street Journal, The Economist, BBC, NBC).



SEAGER, William E. | Department of Philosophy, University of Toronto

William E. Seager is one of the world’s leading philosophers of mind. His impactful research addresses foundational metaphysical issues concerning the nature of consciousness and of mental representation. He is a principal defender of the view that consciousness is a fundamental feature of the world that cannot be explained in terms drawn from other scientific theories. Seager brings his original research in philosophy of science to philosophical issues about consciousness.



SRIVASTAVA, Diane S. | Department of Zoology, The Department of British Columbia

Diane S. Srivastava is an internationally-recognized authority in community ecology. Her groundbreaking research integrates spatial and trophic processes to understand food webs, and their response to global change. She pioneered the use of natural microecosystems for testing the universality of ecological processes, and has authored seminal ecological syntheses. Her leadership nationally has led to a revitalization of synthesis science in Canada’s ecology and evolution research community.



STACEY, Dawn | School of Nursing, University of Ottawa

Dawn Stacey is an international authority in methods to support patients’ involvement in evidence-informed healthcare decisions. Her pioneering research established cancer symptom triage decision tools, the novel decision coaching role, and efficient methods for creating decision aids, thereby improving patient and health system outcomes. Her methods and tools are publicly available, used in practice, and have directly influenced health policy in Canada and globally.



TALWAR, Victoria | Department of Educational & Counselling Psychology, McGill University

Victoria Talwar’s innovative interdisciplinary research on children’s verbal deception and child witness issues has contributed to a new area of research examining the developmental trajectories and factors affecting children’s honesty. Her research informs current debates about children’s cognitive and social development as well as the universality of moral development, has important legal implications and has contributed to legal reform in Canada.



TARASUK, Valerie | Department of Nutritional Sciences, University of Toronto

Valerie Tarasuk is a Professor Emerita in Nutritional Sciences at the University of Toronto. She has importantly advanced scholarship in public health nutrition and household food insecurity in Canada. Her research has established food insecurity as a potent social determinant of health, mitigated by federal and provincial policy interventions that improve the financial resources of vulnerable households; she has effectively mobilized this knowledge to shift public and political discourse.



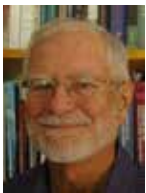
THABANE, Lehana | Faculty of Health Sciences, McMaster University

Lehana Thabane is a world-renowned scholar, educator, and trial statistician who, for more than three decades, has led, contributed to and been influential in the advancement of clinical trials methodology. His pioneering work in the development and application of novel statistical methods and trial designs, including pilot and feasibility trials, continues to underpin the discovery of innovative medical and behavioural interventions in Canada and globally.



THANGADURAI, Venkataraman | Faculty of Science, University of Calgary

Venkataraman Thangadurai is an internationally renowned chemist who has made pivotal advances in solid-state electrochemistry, revolutionizing clean energy storage and conversion technologies which are integral towards zero carbon emissions renewable energy systems. His present research involves the development of novel solid-state materials for modern all-solid-state metal batteries and solid oxide fuel cells. His ground-breaking work on lithium solid electrolytes enables the replacement of unsafe organic electrolyte in current Li-ion batteries.



THOMPSON, R. Paul | Institute for the History and Philosophy of Science and Technology, University of Toronto

R. Paul Thompson has an international reputation in philosophy of biology, especially the mathematical/logical structure of biological theories, explanation and experimental design. He has made seminal contributions to understanding an evolutionary-based social contract account of morality, and has made internationally influential contributions to evolutionary theory, philosophy of medicine, and the benefits of genetic modification of organisms in medicine and agriculture. He has served extensively on committees advising governments and industry.



TONELLI, Marcello | Department of Medicine, University of Calgary

Marcello Tonelli has contributed to the recognition of chronic kidney disease (CKD) as a major risk factor for adverse outcomes and has informed novel strategies for mitigating this risk. His highly cited research on prevention and control of kidney disease and its major risk factors has global impact through its direct influence on clinical practice, health services interventions, patient-centered practice guidelines, and public policy.



TREFLER, Daniel | Rotman School of Management and Department of Economics, University of Toronto

Daniel Trefler engages in fundamental research on international trade, innovation, inequality, and AI. He also contributes to policy debates surrounding trade agreements and global governance, including advising Canada on CETA, USMCA, and China. His awards include the Killam Prize, the Bank of Canada Fellowship, and the Canada Research Chair. His work has been cited by the Nobel Committee, the WTO, New York Times, Newsweek, Wall Street Journal, and The Economist.



TUFENKJI, Nathalie | Faculty of Engineering, McGill University

Nathalie Tufenkji (Tier 1 Canada Research Chair in Biocolloids and Surfaces) is an award-winning and world-renowned environmental engineer who has pioneered sustainable technologies for water treatment and tackled problems linked with plastic pollution. Her ground-breaking contributions are recognized with several prestigious honours including the Killam Research Fellowship and Fellow of the Canadian Academy of Engineering. She has broadened the public’s appreciation for science and created opportunities for women in the profession.



van KOOTEN, Cornelis | Department of Economics, University of Victoria

Cornelis van Kooten’s ground-breaking work drives research and policy in natural resource economics, including agricultural and forest economics, endangered species policy, land-use management, mathematical programming, and the economics of climate change and renewable energy. He is the world’s most prolific forest economist and a leader in research related to the management of Canada’s primary sectors, contributing in diverse, unique and significant ways to critical current debates.



VAN RAAMSDONK, Mark | Department of Physics and Astronomy, The University of British Columbia

Professor Mark van Raamsdonk has made ground breaking contributions to theoretical physics, in particular quantum field theory, string theory, and quantum information. One of his most profound results is the demonstration that spacetime in gravity and thus Einstein’s equations of General Relativity can emerge from quantum entanglement. His work contributed seminally to our modern understanding of the relation between quantum mechanics and gravity.



VELLEND, Mark | Département de biologie, Université de Sherbrooke

Mark Vellend’s work prompted paradigm shifts in research on the processes underlying ecological communities, and on Anthropocene biodiversity change. His empirical studies revealed the surprising result that biodiversity does not necessarily decline at all spatial scales, prompting a field-wide shift to focusing on biodiversity “change” rather than only loss. He won numerous awards, including an E.W.R. Steacie Memorial fellowship, and published a ground-breaking book, *The Theory of Ecological Communities*.



VERDUN, Amy | Department of Political Science, University of Victoria

Amy Verdun’s research embraces governance and integration in Europe: the institutional challenges of the European Union and its member states in the domain of political economy, including relationships between the EU and third countries. Her insights contribute to both scholarship and institution-building within and beyond Canada. Her thought leadership and prescient sense of important areas to research have long placed her at the forefront of both research and policy internationally.



WILLKIE, Angélique | Department of Contemporary Dance, Concordia University

Angélique Willkie’s interdisciplinary research and creative practice is recognized locally, nationally and internationally, in both academic and artistic contexts. Her work intersects generatively with her commitment to social and racial equity in those communities, culminating in her leadership of Concordia’s efforts to combat anti-Black racism and an award-winning performance that is anchored in, and significantly contributes to, the burgeoning field of Black performance studies.



WONG, Gane Ka-Shu | Department of Biological Sciences and Department of Medicine, University of Alberta

Gane Ka-Shu Wong is a pioneer in genomics, a new discipline that has impacted all of life sciences. By leading first-in-kind projects like the rice genome and 1000 plants (1KP) initiative, he created essential bioinformatics tools, released unprecedented amounts of sequence data, and launched world-renowned organizations. These activities changed our perceptions of large-scale sequencing strategies, revolutionized evolutionary studies of biodiverse species, and led to novel treatments for retinal blindness.



ZENG, Hongbo | Department of Chemical and Materials Engineering, University of Alberta

Hongbo Zeng is a global leader and authority in intermolecular forces and interfacial science, renowned for his profound insights in uncovering mechanisms of molecular interactions between surfaces. His groundbreaking discoveries have significantly advanced our understanding of how molecular forces influence the physiochemical properties and performance of materials. His work has enabled researchers worldwide to develop novel functional materials that have positively impacted engineering, nanotechnology, natural resources, health, and the environment.

The Oath of the Fellows of the Royal Society of Canada

We who have hereunto subscribed, do hereby promise, each for himself/herself, that we will endeavour to promote the good of the Royal Society of Canada and to pursue the ends for which the Society was founded; that we will be present at the meetings of the Society, as often as conveniently we can; and that we will observe the By-laws and regulations of the Society.

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, entrepreneurship, and sustainability. 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.



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 inventions 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.



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

Odae Al Aboud is a leading professor specializing in information theory, design 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.



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 and Indigenization of 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.



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 forefront 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.



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 where 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.



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 scholar, 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.



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 visual and 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.



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 technologies (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.



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

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



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.



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 and Dalla 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.



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 new symmetries of scattering amplitudes, and is known for developing an “inversion” formula that captures the critical exponents of diverse scale-invariant systems.



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.



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 biological psychiatry. His multi-scale and -disciplinary approach have demonstrated novel associations between behaviour, whole brain phenotypes, and their putative cellular and molecular underpinnings. His internationally recognized research has resulted in >330 publications and >25,000 citations.



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

Stefanie Colombo, Dalhousie University’s Tier II 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 is helping minimize aquaculture’s environmental footprint and maximize nutritional 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.



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 emerging viruses. Her work has revealed several critical factors involved in viral infection and virus entry and has identified small-molecule inhibitors that could be used for the development of urgently needed broad spectrum antiviral therapies.



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, derived from 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.



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 archival records, digital methods and social justice. Her award-winning research has significant implications for preserving 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.



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 ensure 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, brief 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 within the ICU improving care for critically ill patients and their families.



GEOFFROY, 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 advancement of knowledge, practice of psychology and public health.



GHARZEDDIN, Kifah | Department of Biology, Carleton University

Kifah Gharzeddin is a crop breeder with focus on genetically 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 of 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 intersection 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 scholars for wisdom, judgment, and cultural evolution. As the founder of the Behavioral and Social Science Forecasting Collaborative and host of the OnWisdom 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 pivotal 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 Researcher 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 innovative synthetic approaches. Both inside and outside the lab, he is a strong advocate for science communication and promoting research opportunities to equity-seeking groups, 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 focusses on adolescent sexual and reproductive health and rights, young motherhood, and violence against children and youth.



KELETA-MAE, Naila | 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 And 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 fossil relatives. 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 founding Director of the Centre intersectoriel d'analyse des perturbateurs endocriniens, 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 *Mii maanda ezhi-gkendmaanh/This is How I know*, illustrated by Joshua Mangeshig Pawis-Steckley and *Encouter*, 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 maskékow-ininiw (Swampy Cree) and Scottish-Canadian. She is a lifelong learner of nēhinawēwin (her maternal language) and a grateful occupant in ləkʷəŋən and WSÁNEĆ territories. Dr. McIvor is a Professor and President’s Research Chair in Indigenous Education at the University of Victoria. She leads the national NEȚOLŊEW Research Partnership, a seven-year project working to understand and enhance Indigenous adults’ contributions to

reviving Indigenous languages in Canada.



NOLETTE, Nicole | Département d’études françaises, 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 won 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 both 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 clinical adoption of next-generation health technologies. His research supports the delivery of ethical 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 major breakthroughs including the unraveling of the physics of charge transport in strongly coupled semiconductors and hybrid

molecule/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 relating to sex 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 heads the Équipe de recherche sur l'immigration au Québec et ailleurs (ÉRIQA, Quebec and international immigration 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 SANSSAÇON, Annie | École de travail social, Université de Montréal

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 RePaRe: Partnership Research and Empowerment of Vulnerable Youth. In her work, she examines the experiences of gender diverse youth as well as proposes ethical 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 humanistic and sensitive legal responses, was awarded the Antonio Cassese Prize for its innovation and insight. 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 Intercultural Research, Foundation for Personality and Social Psychology, and Canada Research Chairs, among others.



SEMIENIUK, 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-and-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 cross-national 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 ecology, evolutionary biology, and biogeochemistry, making fundamental discoveries in understanding how environmental change impacts both biodiversity and the benefits 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 those factors in unprecedented ways. Her achievements have led to key advances in precipitation measurement and in 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 brain resilience 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 means 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 >25,900 with H-index 80 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 (ÉTS). She is an internationally renowned emerging leader in nanotechnology and sustainable energy. She made important original contributions to 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.

AWARD WINNERS

JUSTICE ROSALIE SILBERMAN ABELLA PRIZE

Ce prix a été créé en reconnaissance de la carrière exceptionnelle de la juge Abella, une initiatrice de changement célébrée pour ses contributions intellectuelles visionnaires et son engagement de toute une vie à promouvoir l'égalité et l'équité dans la société canadienne et au-delà. Le prix sera remis chaque année à un étudiant diplômé en droit de chacune des facultés de Droit du Canada et étant le plus susceptible d'exercer une influence positive sur l'équité et la justice sociale au Canada ou dans le monde après l'obtention de son diplôme.



Emmanuelle Atongfor
Université de Montréal



Félix Généreux-Marotte
Université du Québec à Montréal



Erin Rooney
Lakehead University



Cem Bicer
Thompson Rivers University



Milo Hallak
Université d'Ottawa (Droit civil)



Nikki Sandhu
Western University



Leandra Bouman
Dalhousie University



Saliha Haq
University of Calgary



Nima Shareghi
Université Laval



Céleste Branch
Université de Moncton



Tomas Jirousek
University of Toronto



Rebekah Smith
University of Victoria



Mark Browne
University of New Brunswick



Darian Lonechild
University of Saskatchewan



Esentsei Staats-Pangowish
University of Windsor



Casey Caines
University of Alberta



Etienne Madelein
Université de Sherbrooke



Amber St-Jean
Queen's University



Camila Franco
McGill University



Yanni Nicolidakis-Mustafa
The University of British Columbia



Clémence Thabet
University of Ottawa
(Common Law)



Katrina Friesen
Toronto Metropolitan University



Jodi Plenert
University of Manitoba



Matthew Traister
York University

ALICE WILSON AWARDS

To three women of outstanding academic qualifications in the Arts and Humanities, Social Sciences or Science who are entering a career in scholarship or research at the postdoctoral level.



CAGULADA, Elaine | Department of Gender Studies, Queen's University

Elaine Cagulada researches in the areas of disability studies, black studies, and sociology. A post-doctoral fellow at Queen's University, Elaine explores stories of disability and race in memorialized Canadian carceral institutions. She completed her PhD in the Department of Social Justice Education at University of Toronto's Ontario Institute for Studies in Education, and co-edited, alongside Dr. Tanya Titchkosky, Madeleine DeWelles, and Dr. Efrat Gold,

DisAppearing: Encounters in Disability Studies.



RONDEAU, Sabrina | Department of Biology, University of Ottawa

Sabrina Rondeau is an NSERC Postdoctoral Fellow in the Department of Biology at the University of Ottawa, working with Dr. Jessica Forrest. Her current research focuses on the impact of agricultural practices (tillage and pesticide use) on wild ground-nesting bee communities in field crops. She also studies nest-site preferences of ground-nesting bees in agricultural areas and the dual impact of climate change and pesticides on hibernating

bumblebee queens.



TUTELMAN, Perri | Department of Oncology, University of Calgary

Perri Tutelman obtained her PhD in Clinical Psychology from Dalhousie University in 2022. Since then, she has been a Postdoctoral Fellow in Psychosocial Oncology at the University of Calgary and Cancer Care Alberta. Her research is centered at the intersection of psychosocial oncology, pain, and mental health and is focused on developing novel patient-oriented interventions to support children, adolescents, and young adults diagnosed with cancer.

HENRY MARSHALL TORY MEDAL

For outstanding research in any branch of astronomy, chemistry, mathematics, physics, or an allied science.



KUMACHEVA, Eugenia | Department of Chemistry, University of Toronto

Eugenia Kumacheva is recognized for her seminal contributions in fundamental and applied research in materials science. Her groundbreaking discoveries include liquid-to-solid transitions in ultrathin liquid films, a striking lubrication effect by brush-like polymer molecules, and the similarity between chemical reactions and self-

organization of nanostructured materials. She designed a broad range of advanced materials with applications including drug delivery for cancer treatment, tissue engineering, and high-density optical data storage and biometrics.



JASON A. HANNAH MEDAL

For an important publication in the history of medicine.



DUFFIN, Jacalyn | Department of History, Queen's University

Hematologist and historian, Professor Emerita Jacalyn Duffin, MC, MD (Toronto), PhD (Sorbonne) FRCPC, FCAH, FRSC, held the Hannah Chair at Queen's University, teaching students of medicine, nursing, history, and philosophy from 1988 to 2017. One of her eleven books, Stanley's Dream (2019) examines and revives the long forgotten Canadian Medical Expedition to Easter Island (1964-65) through

archives, scientific papers, and interviews with surviving expeditionists scattered around the globe.



JOHN L. SYNGE AWARD

For outstanding research in any of the branches of the mathematical sciences.



LAYTON, Anita | Departments of Applied Mathematics and Biology, Cheriton School of Computer Science and School of Pharmacy, University of Waterloo

Anita Layton, Professor of Applied Mathematics at the University of Waterloo, is an internationally acclaimed authority and leading researcher in mathematical medicine and biology. She has solved long-standing problems in scientific computing and renal physiology.

She is recognized for her pioneering contributions to computational methods for fluid-structure interaction problems, and to mathematical modeling of mammalian physiology and pathophysiology, including the first sex-specific models of kidney physiology and blood pressure regulation.

KITTY NEWMAN MEMORIAL AWARD

For outstanding contributions from an emerging scholar in the field of philosophy.



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 clinical adoption of next-generation health technologies. His research supports the delivery of ethical and innovative health

technologies to Canadians.

McLAUGHLIN MEDAL

For important research of sustained excellence in medical science.



NAROD, Steven | Dalla Lana School of Public Health, University of Toronto

Steven Narod has proven that hereditary breast/ovarian cancers are preventable, and he has also found that many Ontario women with BRCA1/2 mutations are ineligible for provincially funded genetic testing. For women unwilling to undergo radical surgeries, he is pinpointing dietary options that reduce risk. His database of 12,000+ women from 30 countries supports numerous international collaborations. Author of

over 550 peer-reviewed publications, Dr. Narod has an H-index of 84.



MICHAEL P. PAÏDOUSSIS MEDAL

For outstanding contributions to research, education and leadership in applied mechanics.



REDDY, J.N. | Department of Mechanical Engineering, Texas A&M University

J.N. Reddy's shear-deformation plate and shell theories have resulted in both scientific advancement and technological utility, and helped thousands of researchers to extend and apply his ideas to practical engineering problems. He conceived transformative nonlocal formulations to study architected-material structures and damage and fracture in solids. Also, the author of well-received textbooks that have impacted the education of three generations of engineers, he is a worthy recipient of this medal.



This award is made possible with the support of the Canadian National Committee for the International Union of Theoretical and Applied Mechanics (CNC-IUTAM).

MIROSLAW ROMANOWSKI MEDAL

For scientific work relating to environmental problems.



SAYARI, Abdelhamid | Department of Chemistry and Biomolecular Sciences, University of Ottawa

Abdelhamid Sayari is one of Canada's most cited chemists for his pioneering work on porous materials and their environmental applications. He is internationally recognized for the discovery and development of recyclable materials for carbon capture with unparalleled efficiency. Thanks to the high selectivity and low regeneration energy of Sayari's proprietary materials, his invention is poised to become the leading technology for CO₂ capture with direct implications on greenhouse gas effect and global warming.



PIERRE CHAUVEAU MEDAL

For a distinguished contribution to knowledge in the humanities.



RAJAN, Tilottama | Department of English and Centre for Theory and Criticism, Western University

Tilottama Rajan is Distinguished University Professor and former CRC in English and Theory at Western University. She is a leading international scholar in Romantic literature, Contemporary Theory, and German Idealism with an emphasis on the reciprocal relations between philosophy, the life sciences, and aesthetics. Also focusing on the place of these areas in organizations of knowledge from the Enlightenment to the present, her work brings a new critical edge to the study of literature, the interdisciplinary humanities and the history of interdisciplinarity.



RUTHERFORD MEMORIAL MEDAL IN CHEMISTRY

For outstanding research in chemistry.



CRANSTON, Emily | 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, derived from 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.



RUTHERFORD MEMORIAL MEDAL IN PHYSICS

For outstanding research in physics.



KARIMI, Ebrahim | Department of Physics, University of Ottawa

Professor Ebrahim Karimi, a physicist at the University of Ottawa, is a pioneering figure in the fields of photonics and electron beam optics. His innovative work involves creating novel devices capable of generating structured photonic and electron waves. He has applied these devices to enhance secure communication protocols, simulate complex quantum systems, engineer the quantum wavefunction of electrons to characterise materials, and address fundamental questions in physics.



SIR JOHN WILLIAM DAWSON MEDAL

For important contributions of knowledge in multiple domains.



SMOL, John | Department of Biology and School of Environmental Studies, Queen's University

Professor John Smol's interdisciplinary research programs, blending geological and biological approaches, have changed the way we assess environmental change. His careful analysis of information laid down in lake and river sediments provides appropriate temporal contexts for distinguishing natural versus anthropogenic changes to our global environment. Smol pioneered many of the approaches used to study long-term changes in ecosystems globally, addressing key issues such as pollution, climate change, and biodiversity loss.



YVAN ALLAIRE MEDAL

For outstanding contributions in governance of public and private organizations.



MAGNAN, Michel | Department of Accountancy, John Molson School of Business, Concordia University

Michel Magnan is Distinguished University Research Professor and the Stephen A. Jarislowsky Chair in Corporate Governance at the John Molson School of Business of Concordia University. He holds a Ph.D. in Business Administration from the University of Washington. He is a Distinguished Member of Ordre d'excellence en éducation du Québec et Fellow of the Royal Society of Canada. His research focuses on corporate governance, financial disclosure and corporate social responsibility.



institut sur la gouvernance
d'organisations privées et publiques

This award is made possible with the support of the Institut sur la gouvernance d'organisations privées et publiques (IGOPP).

LIFE MEMBERS

Each year the RSC recognizes its Life Members—those who have been Fellows for 25 years. This year's Life Members are those who were elected in 1998.

Martin Barlow, The University of British Columbia, Academy of Science

Spencer Barrett, University of Toronto, Academy of Science

Aurélien Boivin, Université Laval, Academy of the Arts and Humanities

John Burbidge, Trent University, Academy of the Arts and Humanities

John Clague, Simon Fraser University, Academy of Science

Martin Daly, McMaster University, Academy of Social Sciences

Marcel Danesi, University of Toronto, Academy of the Arts and Humanities

Bernard Dickens, University of Toronto, Academy of Social Sciences

Mohamed Elmasry, University of Waterloo, Academy of Science

Patricia Fleming, University of Toronto, Academy of the Arts and Humanities

Roger Gibbins, Canada West Foundation, Academy of Social Sciences

Leon Glass, McGill University, Academy of Science

Jean Grondin, Université de Montréal, Academy of the Arts and Humanities

Lawrence Grossman, University of Chicago, Academy of Science

Michael Hadley, University of Victoria, Academy of the Arts and Humanities

Keith Hipel, University of Waterloo, Academy of Science

Victor Ivrii, University of Toronto, Academy of Science

Manfred Jericho, Dalhousie University, Academy of Science

Joseph Kess, University of Victoria, Academy of the Arts and Humanities

Robert Korneluk, University of Ottawa, Academy of Science

Gilbert Laporte, Université de Montréal, Academy of Social Sciences

Michel Laroche, Concordia University, Academy of Social Sciences

Maryse Lassonde, Université de Montréal, Academy of Social Sciences

David Layzell, University of Calgary, Academy of Science

David Ley, The University of British Columbia, Academy of Social Sciences

Joseph Magnet, University of Ottawa, Academy of Social Sciences

John McConkey, University of Windsor, Academy of Science

James Miller, University of Saskatchewan, Academy of the Arts and Humanities

Claude Montmarquette, Université de Montréal, Academy of Social Sciences

Gunnar Öquist, Umeå University, Academy of Science

F. Peter Ottensmeyer, University of Toronto, Academy of Science

Christine Overall, Queen's University, Academy of the Arts and Humanities

Shana Poplack, University of Ottawa, Academy of the Arts and Humanities

Alison Prentice, University of Victoria, Academy of the Arts and Humanities

Roseann Runte, Carleton University, Academy of the Arts and Humanities

Dennis Salahub, University of Calgary, Academy of Science

Indira Samarasekera, University of Alberta, Academy of Science

Lotfollah Shafai, University of Manitoba, Academy of Science

Leslie Smith, The University of British Columbia, Academy of Science

Marla Sokolowski, University of Toronto, Academy of Science

Ian Steele, Western University, Academy of the Arts and Humanities

David Thomas, McGill University, Academy of Science

Michael Thompson, University of Toronto, Academy of Science

David Turpin, University of Victoria, Academy of Science

Theo van de Ven, McGill University, Academy of Science

Carl Walters, The University of British Columbia, Academy of Science

Norman Wardlaw, University of Calgary, Academy of Science

Roderick Wasylshen, University of Alberta, Academy of Science

Alfred Weiss, University of Alberta, Academy of Science

Ian Q. Wishaw, University of Lethbridge, Academy of Science

COLLEGE GRADUATING CLASS

Members are elected to the College for a seven-year term, and 2023 will mark the graduation of the third cohort. We recognize and thank the Members Elected in 2016, who will complete their term in 2023 and who have been instrumental in the development and growth of the College.

Purang Abolmaesumi, The University of British Columbia

Ehab Abouheif, McGill University

John Archibald, Dalhousie University

Jehannine Claire Austin, The University of British Columbia

Paul W. Ayers, McMaster University

Molly Elizabeth Babel, The University of British Columbia

Jane Bailey, University of Ottawa

Jennifer Bain, Dalhousie University

Stéphanie Bélanger, Royal Military College of Canada

Rachel Birnbaum, King's University College at Western University

Alison Blay-Palmer, Wilfrid Laurier University

Frédéric Charron, Université de Montréal

Bing Chen, Memorial University of Newfoundland and Labrador

Zhongwei Chen, University of Waterloo

Jackie Dawson, University of Ottawa

Wael El-Dakhakhni, McMaster University

Charlene Elliott, University of Calgary

Jennifer Evans, Carleton University

Amir Z. Fam, Queen's University

Pascale Fournier, Trudeau Foundation

Duane Froese, University of Alberta

Barbara Gibson, University of Toronto

Catherine Gidney, St. Thomas University

Anthony Glinoyer, Université de Sherbrooke

Irene Gregory-Eaves, McGill University

David Hammond, University of Waterloo

Trevor Hart, Toronto Metropolitan University

Markus Hecker, University of Saskatchewan

Clay Holroyd, University of Victoria

Ekram Hossain, University of Manitoba

Bonny Ibhawoh, McMaster University

Philip Jackson, Université Laval

Nina Jones, University of Guelph

Zamaneh Kassiri, University of Alberta

Krista Kesselring, Dalhousie University

Rachel Koopmans, York University

Anita Kothari, Western University

Margaret Kovach, The University of British Columbia

Roman Krems, The University of British Columbia

Wolfgang Kuebler, University of Toronto

Kim Lavoie, Université du Québec à Montréal

Isabelle Le Breton-Miller, HEC Montréal

François Légaré, Institut national de la recherche scientifique

Nadia Lehoux, Université Laval

Christian Leuprecht, Royal Military College of Canada; Queen's University

Jing Li, Simon Fraser University

Angela Rose Lieveise, University of Saskatchewan

Gonzalo Lizarralde, Université de Montréal

Artur Luczak, University of Lethbridge

Brenda Macdougall, University of Ottawa

H. Damon Matthews, Concordia University

Alison Mountz, Wilfrid Laurier University

Parvin Mousavi, Queen's University

Shaylih Ryan Muehlmann, The University of British Columbia

David Murakami Wood, Queen's University

Muralee Murugesu, University of Ottawa

Hani Naguib, University of Toronto

Charmaine Andrea Nelson, McGill University

Dwight Newman, University of Saskatchewan

Candace Nykiforuk, University of Alberta

Chidi Oguamanam, University of Ottawa

Thy Phu, Western University

Joelle Pineau, McGill University

Lynne-Marie Postovit, University of Alberta

Alexandre Poulain, University of Ottawa

Saibal Ray, McGill University

J. Brent Richards, McGill University

Mark W. Skinner, Trent University

Eric Smith, University of Calgary

Philippe D. Tortell, The University of British Columbia

Nathalie Tufenkji, McGill University

John E. Turri, University of Waterloo

Rudolf Uher, Dalhousie University

Katherine White, The University of British Columbia

Andrew Woolford, University of Manitoba

Stephen Isaac Wright, University of Toronto

Tze Wei (John) Yeow, University of Waterloo

Irving Abella (1940-2022)

Elected 1993, York University, Academy of Arts and Humanities

Caroline Andrew (1942-2022)

Elected 2007, University of Ottawa, Academy of Social Sciences

Bernhard Banaschewski (1926-2022)

Elected 1962, McMaster University, Academy of Science

Janet C. Bavelas (1940-2022)

Elected 1995, University of Victoria, Academy of Social Sciences

Bernard Beugnot (1932-2023)

Elected 1988, Université de Montréal, Academy of Arts and Humanities

John Bienenstock (1936-2022)

Elected 1992, McMaster University, Academy of Science

Richard Bird (1938-2021)

Elected 1978, University of Toronto, Academy of Social Sciences

Michael Brecher (1925-2022)

Elected 1976, McGill University, Academy of Social Sciences

Christopher E. Brion (1937-2022)

Elected 1984, The University of British Columbia, Academy of Science

Robert Bruce (1929-2022)

Elected 1980, University of Toronto, Academy of Science

Yau Kai Cheung (1934-2022)

Elected 2002, The University of Hong Kong, Academy of Science

William Coleman (1950-2023)

Elected 2009, University of Waterloo, Academy of Social Sciences

Kieran Egan (1942-2022)

Elected 1993, Simon Fraser University, Academy of Social Sciences

Len Findlay (1944-2023)

Elected 2007, University of Saskatchewan, Academy of Arts and Humanities

Larry Fowke (1941-2022)

Elected 2009, University of Saskatchewan, Academy of Science

Dale Gibson (1933-2022)

Elected 1985, University of Manitoba, Academy of Social Sciences

Christopher George Gray (1938-2022)

Elected 1990, University of Guelph, Academy of Science

Richard Cole Harris (1936-2022)

Elected 1982, The University of British Columbia, Academy of Social Sciences

John Hewson (1930-2022)

Elected 1997, Memorial University of Newfoundland, Academy of Arts and Humanities

Tomáš Hudlický (1949-2022)

Elected 2013, Brock University, Academy of Science

Werner Israel (1931-2022)

Elected 1972, University of Victoria, Academy of Science

Barbara E. Jones (1944-2022)

Elected 2010, McGill University, Academy of Science

Evelyn Kallen (1929-2023)

Elected 1989, York University, Academy of Social Sciences

Eva Kushner (1929-2023)

Elected 1971, University of Toronto, Academy of Arts and Humanities

Trevor Levere (1944-2022)

Elected 1980, University of Toronto, Academy of Arts and Humanities

Michael R. Marrus (1941-2022)

Elected 1987, University of Toronto, Academy of Arts and Humanities

Patrick McGeer (1927-2022)

Elected 2002, The University of British Columbia, Academy of Science

Roberto Miguelez (1934-2023)

Elected 2001, University of Ottawa, Academy of Social Sciences

J.C. Milton (1924-2022)

Elected 1972, Atomic Energy of Canada Limited, Academy of Science

John O'Neill (1933-2022)

Elected 1985, York University, Academy of Social Sciences

Joseph Paldus (1935-2023)

Elected 1983, University of Waterloo, Academy of Science

Timothy R. Parsons (1932-2022)

Elected 1979, The University of British Columbia, Academy of Science

Lori Saint-Martin (1959-2022)

Elected 2013, Université du Québec à Montréal, Academy of Arts and Humanities

Bishnu D. Sanwal (1927-2023)

Elected 1979, Western, Academy of Science

Charles Scriver (1930-2023)

Elected 1973, McGill University, Academy of Science

Peter Carr Seixas (1947-2022)

Elected 2004, The University of British Columbia, Academy of Social Sciences

David E. Smith (1936-2023)

Elected 1981, University of Saskatchewan, Academy of Social Sciences

Stephen Alexander Smith (1958-2022)

Elected 2020, McGill University, Academy of Social Sciences

Michael Snow (1928-2023)

Elected 2005, , Academy of Arts and Humanities

Mary Spencer (1923-2022)

Elected 1976, University of Alberta, Academy of Science

Ian Daniel Spenser (1924-2022)

Elected 1980, McMaster University, Academy of Science

Donald Sprung (1934-2023)

Elected 1980, McMaster University, Academy of Science

Nicole Tomczak-Jaegermann (1945-2022)

Elected 1996, University of Alberta, Academy of Science

André Vachet (1934-2023)

Elected 1994, University of Ottawa, Academy of Social Sciences

Jodi Viljoen (1974-2022)

Elected 2020, Simon Fraser University, College of New Scholars

Stephen Waddams (1942-2023)

Elected 1988, University of Toronto, Academy of Social Sciences

Murray Wonham (1934-2023)

Elected 1988, University of Toronto, Academy of Science

CONTACT Us



Team Mission Statement

The RSC team honours its Members by recognizing their extraordinary contributions, providing a platform to share their expertise, and promoting an inclusive exchange of knowledge—across Canada, across disciplines, and across generations—to create a better Canada and a better world.

The RSC Team

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