



Alice Wilson Award

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.

Hannah Brais received her PhD from the Department of Geography at McGill University 2025. As of fall 2025 she is a CMHC-SSHRC Postdoctoral Fellow at the University of Toronto Mississauga in the Department of Political Science and the Head of Research at the Old Brewery Mission. Her postdoctoral research investigates the gaps in homelessness service delivery and public policy with regards to homelessness prevention.

Department of Political Science

University of Toronto

Royal Society of Canada | 2025 Award Winners





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Anffany Chen is a Taiwanese Canadian who has built an exciting career in physics and AI research through consistently outstanding scholarship. She made impactful discoveries showing quantum materials as testing grounds for high-energy physics and innovated algorithms for modeling physics in curved geometry. Recently she applies her expertise to AI research to address pressing environmental challenges. She is using AI to optimize horticulture farms towards sustainable food production and climate resilience.

Department of Computing Science

University of Alberta

Royal Society of Canada | 2025 Award Winners



Stephanie Ross is a postdoctoral fellow in the Faculty of Kinesiology at the University of Calgary and previously completed her PhD at Simon Fraser University. Her research explores skeletal muscle mechanics across the lifespan in both health and disease, using integrated experimental and computational approaches. Currently, she is investigating how female reproductive life stages and stroke affect muscle function.

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Faculty of Kinesiology

University of Calgary

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Henry Marshall
Tory Medal

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



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.

Department of Chemistry

Queen's University

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Jason A. Hannah Medal
*For an important publication
in the history of medicine.*



Alison Li is an historian of science and medicine who writes about biomedical science in relation to culture. Her most recent book, *Wondrous Transformations: A Maverick Physician, the Science of Hormones, and the Birth of the Transgender Revolution*, tells the story of Dr. Harry Benjamin, a pivotal figure in early transgender medicine. It has been greeted as authoritatively researched, compellingly written and a significant contribution to public discourse.

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John L. Synge Award

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

Ben Adcock is an outstanding researcher whose work has shaped the mathematical foundations of data science and machine learning. He exhibits great originality and breadth, leading to breakthroughs in compressed sensing, imaging, high-dimensional approximation and trustworthiness of artificial intelligence. A prolific author, his highly influential work has lasting implications for science, engineering and industry. Widely recognized with prestigious awards, Adcock's cutting-edge research continues to advance both theory and applications.

Department of Mathematics

Simon Fraser University

Royal Society of Canada | 2025 Award Winners





**Kitty Newman
Memorial Award**

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

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

Faculty of Law, Common Law Section

University of Ottawa

Royal Society of Canada | 2025 Award Winners





McLaughlin Medal

*For important research
of sustained excellence in
medical science.*



Nada Jabado was the first to uncover histone mutations in human disease, sparking a paradigm shift in cancer biology. Her seminal work revealed how epigenetic dysregulation during development drives the origin of lethal brain tumors in children and young adults. By pioneering this novel lens, she transformed cancer research, establishing the epigenome as a central player in cancer initiation and progression, and opening entirely new avenues for therapeutic discovery.

Department of Pediatrics

McGill University

Royal Society of Canada | 2025 Award Winners





**Michael P.
Paidoussis Medal**

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



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

Department of Civil and Environmental Engineering
Northwestern University

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**Miroslaw Romanowski
Medal**

*For scientific work relating to
environmental problems.*



Marie-Josée Fortin is widely recognized globally as a leader in spatial ecology, with a career dedicated to spatial analysis in ecology. She has made important contributions to basic ecology and applied conservation biology by creating innovative network methods. She has written acclaimed books on spatial analysis for ecological conservation. She received the 2025 Konrad Adenauer Research Award (von Humboldt Foundation).

Department of Ecology & Evolutionary Biology
University of Toronto

Royal Society of Canada | 2025 Award Winners





Pierre Chauveau Medal
*For a distinguished
contribution to knowledge in
the humanities.*



Eric Jennings is a leading authority on modern France, French colonialism, decolonization, and the francophone world. A bilingual author of seventy articles and chapters as well as eight sole-authored books and an edited volume, Jennings translates his own work into and from French. He won a John Simon Guggenheim Fellowship in 2014 and was awarded a University of Toronto Distinguished Professorship in 2015. He has held seven SSHRC Insight Research Grants.

Department of History

University of Toronto

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RSC Eric Jackman Prize

For path-breaking and sustained scientific contributions to preventing harm, strengthening resilience, or otherwise benefiting humankind through research in one or more behavioural and social science fields.

Sean B. Rourke, scientist and social entrepreneur at St. Michael's Hospital and Professor of Psychiatry at University of Toronto, is an internationally recognized clinical neuropsychologist. His pioneering research on neurobehavioural impacts of HIV has transformed brain health diagnosis and care that is having real life impacts. By advancing new rapid testing options and treatment/care access for underserved populations, his work is eliminating health disparities and helping end Canada's HIV epidemic.

MAP Centre for Urban Health Solutions

St. Michael's Hospital (Unity Health Toronto)

Royal Society of Canada | 2025 Award Winners





**RSC Prize for
Indigenous Engagement**

*For outstanding
contributions including
research / scholarship,
advancement of Indigenous
knowledge, and engagement
with reconciliation.*

Cindy Blackstock is a member of the Gitxsan First Nation, the Executive Director of the First Nations Child and Family Caring Society, and a professor at McGill University's School of Social Work. She has over 30 years of experience working in child welfare and advocating for the rights of Indigenous children. She has published on topics related to reconciliation, Indigenous theory, First Nations child welfare, and human rights.

Centre for Research on Children and Families

McGill University

Royal Society of Canada | 2025 Award Winners





**Rutherford Memorial
Medal in Physics**

*For outstanding research in
physics.*



Julie Hlavacek-Larrondo is an internationally recognized astrophysicist who is shaping the future of astrophysics. Her pioneering research has revolutionized our understanding of how supermassive black holes drive the evolution of galaxies. Using the world's most powerful telescopes and artificial intelligence, she reveals their profound cosmic influence. A visionary leader, she is also transforming education by removing invisible barriers that limit access for girls and underrepresented groups in science, technology, engineering, and mathematics (STEM).

Département de physique

Université de Montréal

Royal Society of Canada | 2025 Award Winners





**Rutherford Memorial
Medal in Chemistry**
*For outstanding research in
chemistry.*



Adam Shuhendler is Professor of Chemistry & Biomolecular Sciences at the University of Ottawa, and Scientist at University of Ottawa Heart Institute. His groundbreaking, multidisciplinary research can enhance human life through innovative chemical solutions for biomedical imaging. Dr. Shuhendler's trailblazing imaging agents surpass conventional boundaries, serving as pioneering diagnostics for heart and kidney diseases, as well as neuro inflammation, which is currently undergoing first-in-human evaluation.

Department of Chemistry and Biomolecular Sciences
University of Ottawa

Royal Society of Canada | 2025 Award Winners





**Sir John William
Dawson Medal**

*For important contributions
of knowledge in multiple
domains.*



Hendrik Poinar is a world-renowned evolutionary geneticist and biomolecular anthropologist. Credited with founding ancient (patho)genomics, his research focuses on the preservation and degradation of organic molecules in the fossil record and interdisciplinary methods to access them. Addressing meaningful questions about the past, Poinar's work has yielded novel insights into the evolutionary history of infectious diseases, population dynamics and ultimate extinction of Pleistocene megafauna, and whole-ecosystem reconstruction using sedimentary ancient DNA.

***Departments of Anthropology and
Biochemistry & Biomedical Sciences***

McMaster University

Royal Society of Canada | 2025 Award Winners





Yvan Allaire Medal

*For outstanding contributions
in governance of public and
private organizations.*



Sadok El Ghouli is a Regent's Distinguished Research Professor whose prolific research has advanced the study of corporate governance. His work has demonstrated the complex effects of government ownership in state-owned firms. In privately held firms, he has examined both shareholder governance, including ownership structures and internal mechanisms, and stakeholder governance, encompassing CSR and ethics. He also investigates how formal institutions and cultural norms influence governance and corporate behavior. His interdisciplinary contributions across finance, accounting, international business, management, and business ethics have gained wide international recognition.

Department of Economics and Finance

The University of Texas at El Paso

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