Annual Report of the Killam Trustees

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“My purpose in establishing the Killam Trusts is to help in the building of Canada’s future by encouraging advanced study.

Thereby, I hope, in some measure, to increase the scientific and scholastic attainments of Canadians, to develop and expand the work of Canadian universities, and to promote sympathetic understanding between Canadians and the peoples of other countries.”

— FROM THE WILL OF DOROTHY J. KILLAM, 1965

The Killam Trusts were established in 1965 under the Will of Dorothy Johnston Killam for the benefit of scholars at Dalhousie University, the Montreal Neurological Institute of McGill University, the University of Alberta, the University of Calgary, the University of British Columbia, and the Canada Council for the Arts. Mrs. Killam also established similar trusts during her lifetime for Dalhousie and the Canada Council.

To date, close to 7,000 scholarships, fellowships and awards have been awarded to graduate and post-graduate students and faculty.

The Killam Trusts also provide funds for Killam Chairs, salaries for Killam Professors, and general university purposes. The Canada Council, in addition to awarding Killam Fellowships, also awards annually the Killam Prizes in Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities. They are, as a group, Canada’s premier awards in these fields, and to date 148 prizes have been awarded.
The Killams

Izaak Walton Killam

Born in 1885 in Yarmouth, Nova Scotia. Died in 1955 at his Québec fishing lodge.

Izaak Walton Killam was one of Canada’s most eminent financiers, rising from a paper boy in Yarmouth, Nova Scotia to the head of Royal Securities. Having no children, Mr. Killam and his wife Dorothy Johnston Killam devoted the greater part of their wealth to higher education in Canada.

In spite of his prodigious financial accomplishments, Izaak Walton Killam was a very reserved man who eschewed publicity and was virtually unknown outside a small circle of close acquaintances.

Dorothy Brooks Killam, née Johnston

Born in St. Louis, Missouri in 1899. Died in 1965 at La Leopolda, her villa in France.

Unlike her retiring husband, Dorothy Johnston Killam was an extrovert who loved company and people generally. After she and Mr. Killam were married in 1922, they lived in Montréal, the centre of the Killam financial empire.

Mr. Killam died in 1955, and it was left to Mrs. Killam to work out the details of their plan in her Will. When she died in 1965, she left their combined estates to specific educational purposes and institutions, as well as a large gift to the Izaak Walton Killam Hospital for Children in Halifax.
“One must always serve the interests of the whole, of which one is a part, in preference to one’s own person in particular.”

— RENÉ DESCARTES

Whether or not Mrs. Killam read Descartes, by her actions in 1965 she most profoundly “served the interests of the whole” of Canadian society.

Applying knowledge to produce change in society is at the core of the Killam Trusts.

In 1965, the challenge was to move beyond a branch plant economy and to alleviate “brain drain”. This, specifically, was likely on Mrs. Killam’s mind when she created the Killam Trusts but the Trusts were intended to evolve, in new ways, to “build Canada’s future by encouraging advanced study”.

The twenty-first century is emerging as a time of social, economic and political turmoil and challenge, at least in its early decades. The challenges looming may be more serious and more daunting than any of the twentieth century.

There is no way to fathom the full potential of technological changes underway. Artificial intelligence and data science are creating their own fuel of new knowledge that is changing society.

It is a society in which many more people than ever before can be successful. But it is, by definition, also a society in which many more people can be left behind.

In our post-industrial knowledge society, universities - and by association the Killam Trusts - can and should play a meaningful role in “serving the interests of the whole” of society by fostering global excellence while actively promoting cohesion through inclusion.

As the Killam Trusts evolve and we continue the Killam vision of building Canada’s future through advanced study, the Killam Trustees remain committed to providing scholarships, fellowships, prizes and other financing to scholars who are likely to contribute to global excellence and accomplishment in a sustainable, inclusive and flourishing Canada.
In 2019, we thanked John S. Montalbano upon his retirement as a Trustee for his twelve years of dedicated service as a fiduciary and wise counsel on many aspects of Trust oversight and administration. On June 1, 2019, we welcomed Brenda Eaton as a new Trustee. Brenda, a resident of Victoria, BC is an experienced corporate director and accomplished public sector leader. Brenda’s experience is a great addition to the Killam Trusts.

We would like to express our deep appreciation to all the faculty and staff at the six Killam institutions who work so hard to make the Killam programs such a success. Observing this effort first hand constantly energizes and uplifts the Trustees, reminding them each year of Canada’s growing strength and competitiveness in the world of academic research and scholarship.

The Killam Trustees extend to the whole “Killam family of scholars” all good wishes for 2020.

Bernard F. Miller, QC, Managing Trustee
The Honourable Kevin G. Lynch, PC, OC, PhD, LLD
Jim Dinning, C.M., F. ICD, LLD
Brenda J. Eaton, MA, ICD.D

The Trustees of the Killam Trusts

For further information, please contact Chantal Dupuis, Administrator of the Killam Trusts (administrator@killamlaureates.ca).
Mrs. Killam died in 1965 and the five Killam universities and the Canada Council have benefited enormously from her bequest for the past 50 years. Why just these six institutions and not the rest of Canada? It is important to remember that at the time that the Killam Trusts were founded there was very little in the way of federal funding for graduate scholarship in Canada. Mrs. Killam’s idea was revolutionary and based on a desire to “reduce the brain drain” of her adoptive country of Canada. Despite the fact that neither of the Killams obtained post-secondary education (although both were awarded honourary degrees from Dalhousie), they both believed in the transformative power of education and research. The Trusts were created by Mrs. Killam in honour of her late husband, therefore she chose institutions based on the geographic regions where Mr. Killam held business interests during his lifetime. The Canada Council received Killam funding as it was originally founded from the estate duties of Mr. Killam, along with those of Sir James Dunn. The Montreal Neurological Institute was selected because a relative received excellent medical care there and Mrs. Killam’s personal nurses were often sourced from the Institute. The chart above depicts the share of the original $75 million each university received, back in 1967.

How could she leave so much to chance after her death? What if the program wasn’t functional? Would it all be a waste? There was too much at stake for uncertainties so Mrs. Killam created a “test drive” for her scholarship scheme by making anonymous contributions to both Dalhousie and the Canada Council. These funds came to $27 million, making Mrs. Killam’s original gifts, lifetime and testamentary, some $102 million.

Today, the Killam endowments are nearing $500 million. In 2019, more than 200 predoctoral scholars, postdoctoral fellows, professorships and other award winners received support from the Trusts, not including hundreds of scholarship and fellowship renewals. Since 1967 the total nears 7,000.
Bernie Miller is the Managing Trustee of the Killam Trusts. During his 30-year career, Mr. Miller has been a lawyer, Chief Executive Officer and Senior Public Servant.

Mr. Miller is currently in public service as the Deputy Minister, Office of Strategy Management, and Deputy Minister of Business for Nova Scotia. Mr. Miller was appointed to Nova Scotia’s Office of Strategy Management in October 2017 and Deputy Minister of Business in January 2018.

From 2006 to 2013, he was the Managing Partner/CEO of McInnes Cooper, one of the 20 largest law firms in Canada with offices throughout Atlantic Canada and had overall responsibility for strategic planning and operational leadership of the firm. While in private practice Bernie was recognized by Chambers and Partners Global as a leading lawyer in environmental law and featured in Lexpert, Best Lawyers in Canada, Practical Law Company and Who’s Who Legal as a leading lawyer in business, energy, aboriginal and environmental law. Prior to entering the public service he served as corporate secretary of Twin Rivers Paper Company of Madawaska, Maine and Edmundston, New Brunswick.

Bernie is an Institute-certified Director with the Institute of Corporate Directors from the Rotman School of Management and served on the Atlantic Provinces Economic Council Board of Governors and on the Nature Conservancy of Canada, Atlantic Regional Board. He also was on the Advisory Board of the 4Front Atlantic Conferences developed by fellow Trustee Kevin Lynch and former Managing Trustee, George Cooper.

The Honourable Kevin Lynch has been Vice Chairman of BMO Financial Group since 2010. Prior to that, he was a distinguished former public servant with 33 years of service with the Government of Canada. He served as the Clerk of the Privy Council and Secretary to the Cabinet, which is the most senior position in the federal public service, as well as Deputy Minister of Finance, Deputy Minister of Industry and Executive Director for Canada at the International Monetary Fund.

Dr. Lynch chairs the Board of Directors of SNC Lavalin and is a director of CN Railway and a Trustee of the Killam Trusts. As well, Dr. Lynch is a Director of Communitech and the Asia Pacific Foundation of Canada.

Previously, Dr. Lynch served on the boards of the Bank of Canada, CNOOC Limited, Empire (Sobeys), Canadian Deposit Insurance Corporation (CDIC), the Business Development Bank of Canada (BDC), BMO China, and the Cape Breton Development Corporation. As well, he served on the boards of a number of not-for-profit organizations including: the Governor General’s Rideau Hall Foundation, the Ditchley Foundation of Canada (Chair), the Accounting Standards Oversight Council (ASOC), the Ontario Rhodes Scholarship Selection Committee, the Princess Margaret Hospital Foundation, the Gairdner Foundation, and the Perimeter Institute.

Dr. Lynch is the past Chancellor of the University of King’s College, the past Chair of the Board of Governors of the University of Waterloo and a Senior Fellow of Massey College. Since retiring from government, he has written over 140 policy Op Ed’s and articles and speaks frequently at conferences in Canada and abroad.

Dr. Lynch earned his BA from Mount Allison University, a Masters in Economics from the University of Manchester and a doctorate in Economics from McMaster University. He was made a Member of the Queen’s Privy Council for Canada in 2009, was appointed an Officer of the Order of Canada in 2011, has received 11 honorary doctorates from Canadian Universities and was awarded the Queen’s Golden and Diamond Jubilee Medals for public service.
Jim Dinning is a business executive and former politician. He serves as Chair of Russel Metals Inc and The Western Investment Company of Canada Ltd, both TSX-listed companies. Mr. Dinning is Chair of Heritage Royalty’s Advisory Board, an OTPP-owned entity. For the last twelve years, he has served as the lead faculty member of the Max Bell Public Policy Training Institute.

Mr. Dinning was Chancellor of the University of Calgary from 2010 to 2014 and was honored with the Chancellor Emeritus designation as he completed his four-year term.

Prior to his business career, Jim served in the Alberta government as a deputy minister and staff person. Elected MLA in 1986, he served as a cabinet minister for eleven years including four plus years as Minister of Education and later as Provincial Treasurer.

In 2015, Mr. Dinning was appointed a Member of the Order of Canada and was named a Fellow of the Institute of Corporate Directors.
Brenda Eaton is an experienced corporate director, serving on the Boards of a number of private, public and not-for-profit Boards. She is currently on the Boards of Westland Insurance, LifeLabs, Transelec, BC Ferries, and Victoria’s Wastewater Treatment Project Board.

Prior to becoming a corporate director Ms. Eaton was a senior leader in the BC Government. From 2001-2005 she was Deputy Minister to Premier Gordon Campbell. Prior to that she held executive positions in the BC Government, including Deputy Minister of Finance and Treasury Board; Energy and Mines; and Social Services. For several years, she was Chief Financial Officer of a Health Authority.

Ms. Eaton has also been active in the non-profit sector. She is currently Chair of the Max Bell Foundation, Vice Chair of BC Alzheimer’s Society and on the Board of the Canadian Institute for Advanced Research. She is also a Juror for the Donner Award.

Ms. Eaton is certified by the Institute of Corporate Directors (ICD.D) and has received several recognition awards including the Queen’s Jubilee Award for community contribution, University of Victoria’s Distinguished Alumni and WXN’s 100 Most Powerful Women in Canada.

Ms. Eaton has a Master’s Degree in Economics.
What follows are some highlights of the programs at all six Killam institutions. The names of the new Killam scholarship, fellowship, prize and other award recipients during 2019 can be found at the end of this booklet.
A total of 32 new Killam scholarships, fellowships, awards and prizes were awarded to the University of Alberta scholars, in addition to renewed scholarships and fellowships. A certificate was also presented to Dennis Hall, professor in the Department of Chemistry, during the ceremony, following his receipt of a Canada Council Killam Research Fellowship awarded earlier in the year. Dr. Hall is the 11th University of Alberta professor who has been awarded this prestigious prize since the inception of the program.

The University of Alberta also presented its inaugural Killam Accelerator Research Awards in 2019. This award was established to address the needs of an underserved group of researchers that merits targeted investment, and is awarded for a three-year term based on the outstanding promise shown by the faculty member in their research output and the impact of their scholarly activity.
Glen Jickling and Valerie Carson, recipients of the Killam Accelerator Research Award, with Trustee Kevin Lynch (l) and VP Research Matthias Ruth (r).

Dennis Hall with his Canada Council Killam Research Fellowship Certificate, shown with Bernie Miller, Managing Trustee (l) and David Turpin, president and vice-chancellor (r).

Recipients of an Izaak Walton Killam Memorial Scholarship shown with Jim Dinning, Killam Trustee and Brooke Milne, Vice-Provost and Dean of the Faculty of Graduate Studies and Research
A total of 88 new Killam scholarships, fellowships, awards and prizes were awarded to the UBC in addition to 18 renewed scholarships and 11 fellowships.

Did you know the Michael Smith Laboratories at UBC has been named in honour of the founding Director, Dr. Michael Smith? Dr. Smith had been a Killam Professor, had received a Killam Research Prize, and was honored with a Nobel Prize in chemistry in 1993.

Since 2002, the UBC also awards a prize in memory of former Killam Trustee, Donald N. Byers. The Killam-Donald N. Byers Prize is awarded to the highest-ranking Killam Doctoral Fellow in the annual Affiliated Fellowships competition at UBC. This year’s recipient is shown below.

Ethan White, recipient of the Killam-Donald N. Byers Memorial Prize, shown with Brenda Eaton, Killam Trustee (l), and Susan Porter (r), Dean & Vice-Provost, Graduate & Post-doctoral Studies

PHOTOS: PAUL JOSEPH
Here are some of UBC’s 2019 recipients of Killam scholarships, fellowships and prizes.

Doctoral Scholarship:

![Corinna Thomsen](image1)

![Yi-Chin (Henry) Lu](image2)

Postdoctoral Research Fellowship:

![Chelsea Little](image3)

![Daniel Anstett](image4)

Postdoctoral Fellow Research Prize:

![Jacquelyn Cragg](image5)

Faculty Research Prize:

![Karthik Pattabiraman, with Killam Trustee Jim Dinning and Vice-president Research & Innovation Gail Murphy](image6)
A total of 20 new Killam scholarships and awards, as well as 15 renewed scholarships, were presented to the University of Calgary scholars in 2019.

On January 1, 2019, Dr. Edward McCauley officially started his term as the ninth president and vice-chancellor of the University of Calgary. Dr. McCauley’s roots on the University of Calgary campus stretch back over 30 years – as a professor, researcher and vice-president (research).
UCalgary first-year recipients of a Killam predoctoral scholarship: Celso Antonio Alves Neto (l) and Ania Maria Zuba (r)

From left to right: Brenda Eaton, Killam Trustee, Anne McCaig, former Killam Trustee, Dr. Ebba Kurz, recipient of the McCaig-Killam Teaching Award, and Dr. Dru Marshall, Provost and VP (Academic). (Of note: Dr. Kurz has also received a Killam Undergraduate Mentorship Award in 2014)
Killam Prizes

The Canada Council Killam Prizes are the only Killam awards restricted to Canadian citizens. These prizes recognize the career achievements of eminent Canadian scholars and scientists actively engaged in research, whether in industry, government agencies or universities.

Each year, one prize in each of the fields of humanities, social sciences, natural sciences, health sciences, and engineering is awarded. To date, a total of 148 Canadians have received this honour.

Did you know that two Killam Prize recipients have later received a Nobel Prize? They are: Arthur B. McDonald (Physics, 2015) and John C. Polanyi (Natural Sciences, 1986).

In 2019, the ceremony took place on the opening day of Canadian Innovation Week and was held at the Canadian Museum of History. Of the 47 nominations received, five eminent Canadian scholars who have made a substantial and significant contribution to their respective fields were presented their prize by the Right Honourable David Johnston, Honorary Chair of the 2019 Killam Prize ceremony (shown left).
The five laureates were also profiled on an episode of CBC Radio’s *IDEAS* program to discuss their research and the impact it has had on the Canadian academic and business landscape.

**2019 Killam Prize Winners**

**Natural Sciences – Yoshua Bengio**, from the Université de Montréal, is known as one of the world’s foremost experts in terms of artificial intelligence and is a deep learning pioneer. As the Canada Research Chair in Statistical Learning Algorithms, he is the founder and scientific director of Mila, the Institut québécois d’intelligence artificielle, the world’s largest deep learning university research group. In 2019, he is co-recipient of the A.M. Turing Prize, considered the “Nobel Prize for Computer Science,” which he receives jointly with Geoffrey Hinton and Yann LeCun.

**Social Sciences – André Blais** is a professor in the Department of Political Science at the Université de Montréal, where he is the Research Chair in Electoral Studies. He led the Making Electoral Democracy Work project, which examined the behaviour of parties and electors in 25 elections across five different countries. He is a worldwide expert in electoral studies.

**Engineering – Keith W. Hipel** is a professor of systems design engineering at the University of Waterloo. He is globally renowned for his unique interdisciplinary research from a systems engineering perspective on the development of conflict resolution, multiple criteria decision analysis, time series modelling and other decision-making methodologies for addressing complex system-of-systems problems lying at the confluence of society, technology and the environment, with applications in water resources, environmental engineering, energy and sustainable development.

**Health Sciences – Stephen W. Scherer**, from the University of Toronto, has revolutionized our understanding of the human genome through his research at The Hospital for Sick Children (SickKids). He founded the Database of Genomic Variants, the world’s most-used CNV database, which facilitates thousands of clinical diagnoses around the world every day.

**Humanities – Lynne Viola**, from the University of Toronto, is an internationally-renowned specialist in the history of the Soviet Union. Her research focuses on mass repression in the 1930s. She is known for the publication of Stalin-era archival documents, unprecedented work to ensure these documents remain in the public domain. She is the author and editor of multiple books, including *The Unknown Gulag* and *Stalinist Perpetrators On Trial* (Oxford University Press). Inducted into the Royal Society of Canada in 2014, she received the Canada Council for the Arts Molson Prize in 2018.
The 2019 Canada Council Killam Prize laureates are shown in the photograph below.

A celebration of the Killam Prize recipients was held at the Canadian Museum of History.

The Right Hon. David Johnston (l), Honourary Chair of the event, with Bernard Miller (r), Managing Trustee of the Killam Trusts.
PHOTOS: SERGE GOUIN

The event was well attended by academic, corporate, and government representatives.

From left to right: Bernie Miller, Managing Trustee, Killam Trusts; Alison K. Smith, on behalf of Lynne Viola, Killam Prize recipient in humanities; Simon Brault, Director and CEO, Canada Council for the Arts; and the Right Honourable David Johnston, Honourary Chair of the event.

The Canada Council for the Arts and the Killam Trusts extend their sincere gratitude to the following sponsors who have made the 2019 Killam Prize ceremony possible: McCall MacBain Foundation, Universities Canada, Deloitte, Elbow Holdings, Mcllnnes Cooper, and National Research Council of Canada.
Killam Research Fellowships

The Killam Research Fellowships are coveted not just for their prestige but because they offer scholars two years’ release time from academic and administrative responsibilities in order to concentrate on an extended piece of research or writing. The 15-member adjudication panel is made up of esteemed Canadian academics who must choose six winners out of 90 applicants from 28 different universities across the country.

The 2019 Killam Research Fellowship recipients are (left to right):

Matt Dobbs, McGill University – Project: Unveiling the Cosmos with a New Paradigm Digital Radio Telescope

Dennis Hall, University of Alberta – Project: A Green Chemistry Blueprint for Direct Catalytic Functionalization of Feedstock Alcohols

Catherine Sulem, University of Toronto – Project: Nonlinear Partial Differential Equations: Wave Propagation in Fluids, Optics, and Plasmas

Marten van Kerkwijk – University of Toronto – Project: Probing Extreme (Astro)Physics with Neutron Stars

Xiao Yu (Shirley) Wu – University of Toronto – Project: Smart Nanomedicine Combo for Treatment and Diagnosis of Diseases in the Brain

Andrei Yudin – University of Toronto – Project: Boroscan: A Platform for Discovery of New Boron-based Antimicrobials

Killam Accelerator Research Fellowships

A Killam Impact Study was commissioned by the Killam Trusts on the occasion of the 50th anniversary of Killam programming. The objective was to assess if Mrs. Killam’s vision was being accomplished and to recommend changes to programming to ensure ongoing relevance. A key recommendation was to focus more resources on early career researchers who are likely to achieve a standard of global excellence and accomplishment.

In 2019, the Killam Trustees continued to work with the Canada Council and the National Research Council Canada in the development of the new Killam Accelerator Research Fellowships which would replace the Killam Research Fellowships component of the Canada Council’s Killam Program. The Killam Trustees wish to ensure the Killam programming remains relevant in the current landscape of research funding and support; is focused on areas where our investments will yield significant and transformational impact; and, continues to build on the Killam brand, its reputation, and its legacy.
Dalhousie Market Values - Killam Funds

The Killam post-doctoral fellowships and Killam predoctoral scholarships have provided funds to more than 2,000 Dalhousie University recipients since it was first established, representing $87.8 million to support Dalhousie students. In addition to 58 continuing scholarships and fellowships, 70 new Killam scholarships, fellowships and prizes were awarded to Dalhousie University scholars.

In May 2019, Dalhousie University announced it had chosen a new president from “down under”. Deep Saini, vice-chancellor and president of the University of Canberra in Australia, has been selected to assume the mantle at Dalhousie on January 1, 2020.

Following the conclusion of Peter MacKinnon’s six-month term as interim president at the end of June, and with Dr. Saini not set to arrive until January, Provost Teri Balser had been appointed by the Board to serve as interim president through the remainder of 2019.

We would like to thank Dr. Balser for her contributions to the Killam program during her tenure as interim president, and wish a warm welcome to new president Deep Saini. We look forward to Dal’s continued collaboration for years to come.
The George Cooper Prizes are awarded to the most outstanding Killam Memorial Scholarship recipients at DAL. These prizes were inaugurated in 2016 as a tribute to former Managing Trustee George Cooper who was a Killam Trustee for 34 years, 24 of those as Managing Trustee. The 2019 recipients, Katherine Marcenzko and Brenna Sobanski, are shown here with Mr. Cooper himself.
In contrast to the other Killam institutions, Killam funding at the Neuro supports scientists who are also clinicians. The success of the scientists at the Neuro who receive support from the Killam Trusts is reflected in the additional grants and awards they receive.

**The Killam awards** at the Neuro are for five years. The current group of nine scholars began their Killam tenure in 2017 and will continue until spring 2022. Killam scholars were awarded $368,033 in extramural salary support and $8,907,665 in extramural research support.

The Neuro also bestows the prestigious title of Killam Professor to three faculty members (two currently named):

Dr. Eric Shoubridge: Izaak Walton Killam Chair and Killam Professor

Dr. Brenda Milner: Dorothy J. Killam Professor of Neurology and Neurosurgery at the Neuro, and recipient of the Killam Prize in health sciences in 1983.

Dr. Milner celebrated her 101st birthday this year. She still maintains an active life, promotes neuroscience and helps to oversee the work of researchers.
The Neuro also awards a Killam Fellow Prize annually to a trainee for outstanding research. In 2019, the prize was given to Dr. Charles Couturier for two related talks: *Single-cell RNA velocity indicates the origin of glioblastoma* and *Single-cell DNA phylogeny points to common early driver events in glioblastoma*. Dr. Couturier undertook this research at the Neuro in the laboratory of Dr. Kevin Petrecca, head of neurosurgery at the McGill University Health Centre.

The *Killam Seminar Series* at the Neuro brings outstanding international scholars and researchers to Montreal to share their knowledge with their colleagues at the Neuro and McGill University and continue to be very popular.

On November 18, 2019, the MNI hosted “*Open Science in Action: Inaugural Symposium*”. Open Science from the Neuro’s perspective is “the concept of openly sharing data, information, tools and research results, and eliminating barriers to collaboration around the world.”

The current Killam Scholars at The Neuro (from left to right, top to bottom):

Gary Armstrong  
Boris Bernhardt  
Simon Ducharme  
Richard Hoge  
Madeleine Sharp  
Jason Karamchandani  
Austen Milnerwood  
Bratislav M慈悲  
Adrien Peyrache

PHOTOS THE NEURO-MCGILL
2019 Killam Laureates

University of Alberta

Killam Doctoral New Scholars
Brett Carnio, Electrical and Computer Engineering
Matthew Cormier*, English and Film studies
Chelsea Duerber*, Educational Psychology
Hongbing Fan*, Agricultural, Food and Nutritional Science
Alexa Ferdinands*, Public Health
Elly Knight, Biological Sciences
Heather Morris*, Public Health
Milad Nazarahari*, Mechanical Engineering
Adriana Onita, Secondary Education
Neelam Punjani, Nursing
Sarah Raza, Pediatrics
Basem Reda, Civil and Environmental Engineering
Mark Segger*, Music
Nathan Wispinski*, Psychology

*Denotes recipient of an Honorary Izaak Walton Killam Memorial Scholarship

Dorothy J. Killam Memorial Graduate Prize
Chelsea Duerber, Educational Psychology
Alexa Ferdinands, Public Health
Milad Nazarahari, Mechanical Engineering

Izaak Walton Killam Memorial Postdoctoral New Fellows
Max Karpinski, English and Film Studies
Ebrahim Lari, Biological Sciences
Chrislain-Eric Kenfack, Political Science

Dorothy J. Killam Memorial Postdoctoral Fellow Prize
Max Karpinski, English and Film Studies

Killam Accelerator Research Award
Valerie Carson, Kinesiology, Sport and Recreation
Glen Jickling, Medicine, Faculty of Medicine & Dentistry

Killam Annual Professorships
Debra Davidson, Resource Economics and Environmental Sociology
Wolfgang Jäger, Chemistry
Maria Mayan, Extension
Vera Mazurak, Agricultural, Food and Nutritional Science
Vivian Mushahwar, Medicine
Philomina Okeke-Ihejirika, Women’s and Gender Studies
Martin Sharp, Earth and Atmospheric Sciences
Lisa Strohschein, Sociology

Killam Award for Excellence in Mentoring
Eleni Stroulia, Computing Science

Killam Memorial Chairs
Valeri Frolov; Physics
Yingfei Yi; Mathematical and Statistical Sciences
University of British Columbia

Killam Doctoral New Scholars

Sam Anderson, Earth, Ocean, and Atmospheric Sciences
Rabe Arshad, Electrical & Computer Engineering
Leah Baugh, Educational & Counselling Psychology and Special Education
Gabrielle (Ellie) Berry, Film Studies
Joshua Bovard, Kinesiology
Patrick Dowd, Anthropology
Cassandra Elphinstone, Botany
Joseph English, Chemical & Biological Engineering
Sarah Fox, History
Travis Fuchs, Curriculum and Pedagogy
Katherine Krause, Chemistry
Yi-Chin (Henry) Lu, Experimental Medicine
Michelle Olding, Interdisciplinary Studies
Monica Shank, Language & Literacy Education
Corrina Thomsen, Biology
Kendra Todd, Interdisciplinary Studies
Charlotte Trainor, Mathematics
Ethan White, Mathematics

Killam – Donald N. Byers Memorial Prize

Ethan White, Mathematics

Killam Postdoctoral Research New Fellows

Daniel Anstett, Botany
Kristie Flannery, History
Chelsea Little, Ecology/Zoology
Jason Olsthoorn, Civil Engineering/Applied Mathematics
Farid Pazhoohi, Psychology
Joshua Tremblay, Human Integrative Physiology
Thomas Vranken, English

Killam Postdoctoral Fellow Research Prizes

Jacquelyn Cragg, Zoology
Britt Drögemöller, Pharmaceutical Sciences

Killam Faculty Research Fellows

Ian Hill, English Language & Literatures
Kyle Larson, Earth, Environmental & Geographic Sciences
Amy Metcalfe, Educational Studies
Nelly Oelke, School of Nursing
Matei Ripeanu, Electrical and Computer Engineering
Galit Sarfaty, Law
Laurel Schafer, Chemistry
Heather Trajano, Chemical and Biological Engineering
Mark Turin, Anthropology / Institute for Critical Indigenous Studies
Yuelin Zhang, Botany

Killam Faculty Research Prizes

Andrew Baron, Psychology
Susanna Braund, Classical, Near Eastern, and Religious Studies
Shoukat Dedhar, Biochemistry and Molecular Biology
Amin Ghaziani, Sociology
Martin Hirst, Microbiology and Immunology
Timothy Kieffer, Cellular and Physiological Sciences
Amori Mikami, Psychology
Tamara Munzner, Computer Science
Karthik Pattabiraman, Electrical and Computer Engineering
Katherine White, Marketing and Behavioural Science

killamlaureates.ca
Killam Awards for Excellence in Mentoring

Senior Category: Thomas Kemple, Sociology
Mid-career Category: Matei Ripeanu, Electrical and Computer Engineering

Killam Teaching Prizes

Majid Alimohammadi, Cellular and Physiological Sciences
Elisa Baniassad, Computer Science
Maria Carbonetti, French, Hispanic and Italian Studies
Susan Cox, Population and Public Health
Margot Filipenko, Language and Literacy Education
Sathish Gopalakrishnan, Electrical and Computer Engineering
Marcia Graves, Microbiology and Immunology
Michael Griffin, Philosophy
Jonathan Holzman, School of Engineering
Angela Kim-Sing, Pharmaceutical Sciences
Tara Mayer, History
Valery Milner, Physics and Astronomy
David Ng, Advanced Molecular Biology Laboratories
Gavin Paul, ArtsONE
Marcello Pavan, Physics and Astronomy
Tracy Pressey, Obstetrics and Gynecology
Jason Read, Biochemistry and Molecular Biology
Clive Roberts, Oral Biological and Medical Sciences
Samuel Rocha, Educational Studies
Blair Satterfield, Architecture and Landscape Architecture
Greg Werker, Operations and Logistics, Sauder School of Business

Killam Graduate Teaching Assistant Awards

Abdullah Al-Digs, Electrical & Computer Engineering
Jeff Bale, Physics & Astronomy
Susanne Bradley, Computer Science
Stephanie Cheung, Biochemistry & Molecular Biology (TA in Botany)
Vibhuti Dhingra, Operations & Logistics, Sauder School of Business
Roquela Fernandez, Creative Writing
Roza Vaez Ghaemi, Chemical & Biological Engineering
Idaliya Grigoryeva, Geography/Economics
Hassan Halawa, Electrical & Computer Engineering
Kaye Hare, Language & Literacy Education
Ben Hives, Kinesiology
Linda Horianopoulos, Microbiology & Immunology
Rhy McMillan, Earth, Ocean & Atmospheric Sciences
Bernardo Urbanetto Peres, Dentistry
Rebecca Sheppard, English Language & Literatures
Anna Smith, Forest & Conservation Sciences
University of Calgary

**Killam Doctoral New Scholars**
- Roberta Cabral Ramos Mota, Computer Science
- Celso Antonio Alves Neto, Philosophy
- Sarthak Sinha, Veterinary Medicine
- Joshua Peter Tyson Whitehead, English
- Ania Maria Zuba, Immunology

**The Donald N. Byers Memorial Killam Prize**
- Sarthak Sinha, Veterinary Medicine

**Killam Postdoctoral New Fellows**
- Ashley Ware, Arts
- Jordan Squair, Cumming School of Medicine

**Killam Research Excellence Award**
- Voon Wee Yong, Cumming School of Medicine
- McCaig-Killam Teaching Prize
- Ebba Kurz, Cumming School of Medicine

**Killam Award in Undergraduate Mentorship**
- Donna Slater, Cumming School of Medicine

**Killam Graduate Supervision and Mentoring Award**
- Jennifer Lock, Werklund School of Education

**Killam Emerging Research Leader Awards**
- Catherine Lebel, Cumming School of Medicine
- Sam Yeaman, Science
- Lucija Meuhlenbachs, Arts

**Killam Annual Professor Awards**
- Nigel Bankes, Law
- Herman Barkema, Veterinary Medicine
- Warren Piers, Science
- Hude Quan, Cumming School of Medicine
- Keith Yeates, Arts

**Killam Visiting Scholar**
- Heidi Stark 2019-2020 (Political Science) from the University of Victoria

**Killam Memorial Chair**
- Walter Herzog*; Kinesiology
- * 2018 Canada Council Killam Prize Winner, Engineering
Canada Council for the Arts

2019 Killam Prizes

Yoshua Bengio (Natural Sciences) – Université de Montréal
André Blais (Social Sciences) – Université de Montréal
Keith W. Hipel (Engineering) – University of Waterloo
Stephen W. Scherer (Health Sciences) – University of Toronto
Lynne Viola (Humanities) – University of Toronto

2019 Killam Research Fellowships

Matt Dobbs (Physics, Space Science) – McGill University
Dennis Hall (Chemistry) – University of Alberta
Catherine Sulem (Mathematics) – University of Toronto
Marten van Kerkwijk (Physics, Space Science) – University of Toronto
Xiao Yu (Shirley) Wu (Medicine) – University of Toronto
Andrei Yudin (Arts and Science, Chemistry) – McGill University
Dalhousie University

Killam Masters and Doctoral New Scholars

Asif Anik, Civil & Resource Engineering
Marina Antipina, Oceanography
J. Nicole Arsenault, Interdisciplinary PhD Program
Natalie Ash, Industrial Engineering
Lyam Bailey, Psychology & Neuroscience
Sara Bartel, Psychology & Neuroscience
Georgeta Bauer, Mechanical Engineering
David Bowman, Physiotherapy
Michael Cameron, English
Julia Cantelon, Civil & Resource Engineering
Leah Carrier, Nursing
Tristan Cleveland, Political Science
Morgan Colp, Biochemistry & Molecular Biology
Claudia Cote, Health Administration
Artorix De La Cruz, Electrical Engineering
Nicole Doria, PhD in Health
Natasha Drage, Earth Sciences
Emily Drake, PhD in Health
Paige Drake, Medical Neuroscience
Richard Drake, Psychology & Neuroscience
Ahmed Eldesoky, Chemistry
Landon Getz, Microbiology & Immunology
Issam Hammad, Electrical & Computer Engineering
Teba Hamodat, Psychology & Neuroscience
Benjamin Hansson, Physics
Stefan Heinze-Milne, Pharmacology
Franz Heubach, Mechanical Engineering
Christopher Holland, Health & Human Performance
Yasmeen Ibrahim, Psychology & Neuroscience
Keisha Jefferies, Nursing
Patricia Kibenge, Computer Science
Prathyusha Konda, Microbiology & Immunology
Alex Louli, Physics
Adam MacDonald, Political Science
Meghan MacGillivray, Civil & Resource Engineering
Nicole MacKenzie, Psychology & Neuroscience
Tracy MacKeracher, Biology
Susan Manning, Political Science
Katherine Marczenko, Chemistry
Melanie Massey, Biology
Rachel McLay, Sociology
Dylan Miller, Psychology & Neuroscience
Myles O’Brien, PhD in Health
Rachel Ollivier, Nursing
Robin Parker, Interdisciplinary PhD Program
Christopher Phillips, Physics
Gardenio Pimental da Silva, School for Resource and Environmental Studies
Lindsey Power, Biomedical Engineering
Megan Rector, Interdisciplinary PhD Program
Brianna Richardson, Nursing
Sarah Schwartz, Microbiology & Immunology
Gracielle Schwenck, Psychology & Neuroscience
Jennifer Searle, Nursing
Logan Slade, Biochemistry & Molecular Biology
Brenna Sobanski, Social Anthropology
Jack Solomon, Psychology & Neuroscience
Laura Steeves, Biology
Carolynn Tan, Physiotherapy
Karen Tang, Psychology & Neuroscience
Victoria Taylor, Biology
Stormy Vandeplas, Oceanography
Chris White, Mechanical Engineering
Andrey Zelenskiy, Physics
Nicholas Zinck, Medical Neuroscience
Stephanie Zubriski, PhD in Health
**Killam Postdoctoral New Fellows**

- Sanaa Ahmed, Law
- Elizabeth Keys, Psychology & Neuroscience
- Evans Monyoncho, Chemistry
- Hessameddin Yaghooobi Koopaee, Mechanical Engineering

**Faculty of Science Killam Professors**

- Katja Fennel, Oceanography

**Faculty of Science Killam Prize**

- Natalie Rosen, Psychology and Neuroscience

**Killam Chairs**

- Roy Duncan; Microbiology and Immunology
- Vasantha Rupasinghe; Plant, Food and Environmental Sciences
- Jeffrey Hutchings; Biology
Montreal Neurological Institute (The Neuro)

**2017-2022 Killam Scholars – Neurological Sciences**

<table>
<thead>
<tr>
<th>Gary Armstrong</th>
<th>Jason Karamchandani</th>
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<tr>
<td>Boris Bernhardt</td>
<td>Austen Milnerwood</td>
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<td>Simon Ducharme</td>
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<td>Richard Hoge</td>
<td>Adrien Peyrache</td>
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<td>Madelaine Sharp</td>
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**Dorothy J. Killam Professor**

Brenda Milner

**Killam Chair**

Eric Shoubridge
We would love to hear from you!

• If you don’t already, would you like to receive our annual report directly in your inbox?
• Do you have an important accomplishment we can share on our social media?
• Did your name change? If it did, please let us know and we will update our confidential database accordingly.

Feel free to direct all requests by email to Chantal Dupuis, Administrator of the Killam Trusts, at administrator@killamlaureates.ca

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