



THE KILLAM TRUSTS

**ANNUAL
REPORT
2004**

*Published by the
Trustees of the Killam Trusts*

THE KILLAM TRUSTS

The Killam Trusts were established in 1965 under the Will of Dorothy Johnston Killam for the benefit of Dalhousie University, Montreal Neurological Institute of McGill University, 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 the benefit of Dalhousie and the Canada Council.

To date, over 5,000 scholarships 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 Medicine, Science, Engineering, Social Sciences and Humanities. They are Canada's premier awards in these fields, and to date 73 prizes have been awarded.

In the words of Mrs. Killam's Will:

“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.”





Izaak Walton Killam

Born in 1885 at Yarmouth, Nova Scotia.

Died in 1955 at his Quebec fishing lodge.

Izaak Walton Killam was one of Canada's most eminent financiers, rising from paper boy in Yarmouth, Nova Scotia to become 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.

Notwithstanding 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 reticent 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 Montreal, 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.

THE KILLAM TRUSTS
2004 ANNUAL REPORT
OF THE KILLAM TRUSTEES



St. John's, Newfoundland, is surely one of North America's most interesting and lively cities. It is a place where the forces of raw nature, the tides of history and a sophisticated yet madcap citizenry mix in exotic proportions to delight and enthral all who are lucky enough – as the Killam Trustees were this November – to have the occasion to visit.

Memorial University of Newfoundland was the host this year of the annual conference of the Canadian Association for Graduate Studies (CAGS), which brings together the Deans of Graduate Studies of all Canadian universities and their assistants. We Killam Trustees are indebted to CAGS for hosting the tenth Killam Annual Lecture; more about that later. But first, an impression about St. John's and its place in Canadian higher education.

No visitor to “the Rock” can fail to pick up on the hustle and bustle of what is at one and the same time the oldest North American settlement north of Florida and one of the continent's newest frontier towns. The irrepressible humour and sense of proportion of the native Newfoundlander remain at the core of life; but offshore oil, bringing steady improvement in the city's financial and business outlook, appears to be pulling the old town into a new era of prosperity. But – mercifully – not in the literal sense. Still standing proudly are the quaint and colourful fishermen's saltbox homes on Duckworth and Gower Streets, gleaming in rainbow colours of fresh paint, and the merchants' Victorian mansions on King's Bridge Road and Empire Avenue in their more sedate autumnal hues. Nowadays both the mansions and the

saltboxes are as likely to house oil and finance executives – and university professors.

Memorial University of Newfoundland stands at the centre of life in St. John's, and indeed the whole Province. Perhaps surprisingly to those of us from "the mainland", MUN with 18,000 students is Atlantic Canada's largest university. We Killam Trustees were impressed with MUN's depth and diversity, to say nothing of the high regard in which Newfoundlanders hold it, both as a place for nurturing the Island's culture and as an engine for growth. We are deeply grateful to *Dr. Axel Meisen*, President of MUN, and his associates for co-hosting our annual dinner for the Killam Deans of Graduate Studies and their assistants, and for helping to arrange this year's Killam Annual Lecture.



MUN is not a "Killam institution" in the sense in which we in the Canadian "Killam family of scholars" use that term. When Dorothy Johnston Killam left \$100 million to six Canadian institutions in her 1965 Will, thus fulfilling the dream shared by her and her late husband Izaak Walton Killam to use their wealth to promote graduate education in Canada, Dalhousie was the only Atlantic university selected. (The other beneficiaries were The University of British Columbia, University of Alberta, The University of Calgary, Montreal Neurological Institute at McGill University, and The Canada Council for the Arts.) Yet MUN is in fact a "Killam institution" in another sense.

Izaak Walton Killam, born in 1885 in Yarmouth, Nova Scotia, had two sisters who emigrated as young women to Massachusetts. In the early 1950s Mr. Killam, then Canada's most successful financial and business figure, gave each of them \$1 million US. In their Wills they set up the Constance Killam

and Elizabeth Killam Rogers Trusts, which today are worth some \$13.7 million US. Unlike the “big brother” Canadian Killam Trusts, which support graduate students, the “little sisters” US Trusts support undergraduates – and MUN is a beneficiary of these Trusts, along with Dalhousie, Acadia and McGill. The US Killam Trusts enable these Canadian universities to provide scholarships for their students to spend a year at a US university, and to give scholarships to undergraduates coming to them from the US. They also support the Canada-US Fulbright Scholarship exchange program for undergraduates.

We were delighted to have as our guests in St. John’s one of the Trustees of the US Killam Trusts, *John Newhall*, and his wife *Kate*. We plan to keep in touch with “our American cousins”, in the belief that a regular exchange of views and information will strengthen the Killam programs on both sides of the border.



This year’s Killam Annual Lecture was given by *Dr. William Cochrane, O.C.* on the topic “Commercializing University Scientific Discoveries: Issues and Challenges”. Bill and his wife *Phyllis* are old Killam hands. As Paediatrician-in-Chief at the Halifax Children’s Hospital, Bill helped convince Mrs. Killam to support construction of the new Izaak Walton Killam Hospital for Children in the mid-1960s. It remains a beacon of hope and a centre of excellence in tertiary care for children from across Atlantic Canada.

Following a brilliant academic career at Dalhousie, Bill was appointed founding Dean of the University of Calgary Medical School and subsequently President of that university. He later became President of Connaught Laboratories, then Canada’s leading developer and manufacturer of insulin, vaccines and

pharmaceutical products. Having thus devoted his career and extraordinary energy to the problems and opportunities of commercializing R&D, he was the ideal choice for this year's Killam Annual Lecture on that theme.

A printed copy of Bill's Lecture is enclosed with this Report in the mailing to all Killam Scholars, past and present. You can also find it on our Killam website: www.killamtrusts.ca.



What a difference a year makes!

In our 2003 Report, we took glum note of the state of the financial markets, and how the poor investment climate had forced cutbacks in the Killam Scholarships at all the Killam institutions. We are by no means back to where we would like to be; but we are glad (relieved, even) to report that in the year to March 31 the capital value of the Killam Trusts had gone up by some 16% over the year before, even after accounting for inflation, and after annual spending. We appear to be on the road to recovery.

All this is, of course, good news. And yet the Killam institutions remain deeply concerned about the future. Whereas a few years ago a payout rate of five percent of the market value of the principal (actually, five percent of the rolling average of three or four years' market values) seemed sustainable, all have now either adopted a somewhat lower spending rate, or have put the question under careful review. The Killam Trustees and the Killam institutions are as one on the need to preserve the purchasing power of the Trusts to protect future generations of Killam Scholars.



Once again, Killam Scholars at the Montreal Neurological Institute have made their mark in world scientific and medical circles.

Brenda Milner, Ph.D. Sc.D., one of the world's most eminent neuroscientists, is Dorothy J. Killam Professor of Psychology at the Neuro. In 2004 the Order of Canada promoted Dr. Milner to its highest rank – Companion – one of only 165 living Canadians. In its citation, the Order called Dr. Milner “a legend in the field of neuroscience ... known around the world for revolutionizing the study of memory. She has used advanced technology to push the boundaries of her specialty and continues to broaden our understanding of cognitive learning, language, sensations and emotions. She continues to be an inspirational mentor and a role model for scientists.” In 2003, Dr. Milner received the prestigious Award in Neurosciences from the U.S. National Academy of Sciences, one of only 14 Canadians to be elected to the Academy. Within the past three years, four universities bestowed honorary degrees on her – Memorial University of Newfoundland, Columbia University, Second University of Naples and the University of Ottawa – bringing to 20 the total of her honorary degrees. Dr. Milner is also a Fellow of the Royal Society. After more than half a century of association with McGill, Dr. Milner continues her research there. As a member of the MNI's Cognitive Neuroscience group, she uses the latest imaging techniques to study the brain, with a particular emphasis on the role of the right hemisphere in remembering object location.

Dr. George Karpati's work as Izaak Walton Killam Chair of Neurology and Head of the Neuromuscular Research Group and Gene Therapy Team at the MNI continues to garner worldwide recognition. With a laboratory staff of four postdoctoral fellows, five technicians and 14 extramural collaborative scientists, Dr. Karpati has received five extramural grants and

is involved in seven ongoing projects. In the past year he has had five papers published or in press, has contributed two book chapters, and has given four invited lectures. Honours continue to flow: in this past year, Dr. Karpati won the Prize for Excellence in Clinical Neuromuscular Research at the Gaetano Conte Academy, Italy, and was elected a Member of the Hungarian Academy of Sciences.



The second edition of the biography of Izaak Walton Killam, *A Very Private Person*, is hot off the press. The late *Doug How* wrote the first edition (published in the 1970s), and then revised and expanded it three years ago. The new edition gives a somewhat fuller picture of Mr. Killam's exploits, but more importantly it brings his wife, Dorothy Johnston Killam, into view for the first time. (Mrs. Killam's wish, as given to the four original Trustees, was to keep out of the book altogether, so that the spotlight would shine entirely on her husband.) The new edition also brings the "Killam saga" up to date, explaining how the Killam Scholarships and other Killam programs have worked out in practice since the 1970's.

It is a compelling story.



We now discuss the "Killam doings" during the past year at each of the six Killam institutions.



DALHOUSIE UNIVERSITY

For the second straight year, *The Scientist* magazine named Dalhousie as one of the top ten universities in the world, out-

side the US, in creating “the best environment for postdoctoral work”. Dal received the largest share of Mrs. Killams’ gifts; to the extent that its very extensive Killam programs have helped Dal to merit such international recognition, we are thrilled to be associated with the story.

The Killam Trusts at Dalhousie allow the university to carry out seven Killam programs:

- *Killam Memorial Scholarships*: These are Dal’s pre-eminent awards to predoctoral scholars, as they are at all the Killam universities, although in Dal’s case (uniquely) they extend to students in both Masters and PhD programs.

This year Dal made 31 new awards and gave 57 renewals, for a total of 88 on stipend. Fully half of these were successful in obtaining external awards from the Natural Sciences and Engineering Research Council (NSERC) or the Social Sciences and Humanities Research Council (SSHRC); as in the other Killam universities, these scholars are designated “Honorary Killam Scholars” and receive a top-up to bring their NSERC and SSHRC awards up to the Killam level.

- *Killam Postdoctoral Fellowships*: Four new Killam Fellows were appointed in the 2004 competition, joining nine continuing Fellows. Widely advertised, Dal’s Killam Postdoctoral Fellows come from universities such as Cambridge, Tel-Aviv, Auckland and UCLA, and conduct research on topics as diverse as “John Keats’ role in collaborative dramatic production” and “Cosmology and general relativity: questions around the homogeneous and isotropic universe”.

- *Killam Chairs*: Dalhousie has four. The holders are: *Dr. Mary Anne White*, Materials Science; *Dr. Ransom Myers*, Ocean Studies; *Dr. Rafiqul Islam*, Petroleum Engineering; and *Dr. Philip Rosson*, Business Information.
- *Faculty of Science Killam Prize*: These Prizes are awarded annually to enhance the careers of promising scientists who have obtained their doctorate within the preceding 11 years. The 2004 recipients are *John Gosse*, Earth Sciences, and *Daniel Waschbusch*, Psychology.
- *Faculty of Science Professorships*: Currently, 12 faculty members hold these Professorships, each for a term of five years. This award recognizes the research contributions of the Faculty's most outstanding scientists.
- *Dorothy J. Killam Memorial Lectures*: This year's lectures, three in number, were on the theme "Mexico, Our Other North American Neighbour". The series was organized by *Dr. John Kirk* of the Department of Spanish.
- *Anonymous Donor's Fund*: Before her death, Mrs. Killam donated a large sum anonymously to Dalhousie, the purpose of which was to "test-drive" her ideas regarding predoctoral and postdoctoral scholarships before committing them irrevocably through her testamentary gifts. This fund is now used to award graduate scholarships in varying amounts to Dalhousie predoctoral scholars in all fields except the "arts" as defined in the Canada Council Act.

The names of Dalhousie's Killam Scholarship and Award winners are given in the supplement at the end of this Report.



MONTREAL NEUROLOGICAL INSTITUTE OF MCGILL UNIVERSITY

Dr. Heather Munro-Blum, the recently appointed Principal of McGill and an eminent scientist and scientific administrator in her own right, gave the first Dorothy J. Killam Lecture in 2004. Over 250 attended, an auspicious start to this new series of lectures at the MNI.

Earlier in this Report we wrote of the extraordinary work of *Dr. George Karpati* and *Dr. Brenda Milner*. But these eminent scholars are by no means alone in their achievements. Twelve other researchers and clinicians of internationally recognized status hold Killam awards, and they are engaged in work as diverse as malignant glial tumours in adults and children (*Dr. Rolando Del Maestro*), medical physics (*Dr. Bruce Pike*), and ion channel mutations that cause epilepsy (*Dr. David Ragsdale*).

The international stature of the MNI Killam Scholars was recognized during the past year by numerous distinctions and invitations to speak at leading institutions around the world.

The full list of the Neuro's Killam Fellowship holders appears at the end of this Report.



THE CANADA COUNCIL FOR THE ARTS

Mrs. Killam made two gifts to the Canada Council: one anonymously during her lifetime, and a second in her Will. These gifts support two programs, of which the better known to the public (if not to the academic community) is the Council's Killam Prizes. Five Killam Prizes are awarded annually, one each in the fields of Health Sciences, Natural Sciences, Engineering, Humanities and Social Sciences. Worth \$100,000 each, these are Canada's leading prizes in their fields and are awarded in recognition of lifetime achievement.

The Council also administers the Killam Research Fellowships. These two-year awards are open to professors in mid-career from across Canada; worth \$70,000 per year, they provide release time from teaching and administrative duties to allow the scholar to devote full time to a particular piece of research or to write a book.

You might well ask: What is the Canada Council doing, running purely academic scholarship and prize programs that have no connection with "the arts"? The answer lies in the special provisions of Section 18 of the Canada Council Act. These provisions allow Canadians to make lifetime or testamentary gifts to the Council, to be administered according to terms stipulated by the donor, wholly apart from the Council's public mandate in the representational and performing arts and *belles lettres*. With the help of outside academic advisers led by *Dr. Peter Morand*, former President of NSERC, the Council does a superb job of identifying a jury of 15 leading academics from across the country. The jury then reviews scores of applications and nominations and selects "the best of the best" for the Killam Prizes and Killam Research Fellowships.

The names of this year's winners of the Council's Killam Prizes and Killam Research Fellowships are given at the back of this Report.



UNIVERSITY OF ALBERTA

Plans are moving forward for the ambitious renovation of a heritage building on the U of A campus, to be known as “The Killam Centre for Advanced Studies”. The Centre will house the Faculty of Graduate Studies and Research, the Graduate Students’ Association, the Postdoctoral Fellows Office and the Postdoctoral Fellows Association.

The Killam Centre will enhance the profile of the U of A’s Killam programs, which are seven in number:

- *Killam Memorial Scholarships*: These Scholarships, worth over \$30,000 per year (including supplementary benefits) for two years, are the U of A’s top awards to predoctoral scholars. This year the university awarded 25 new Scholarships (10 honorary) and renewed another 25 (nine honorary) for a second year.
- *Killam Postdoctoral Fellowships*: Eight new Fellowships (two honorary) were awarded this year, and seven Fellows were renewed.
- *Killam Annual Professorships*: These are awarded to outstanding U of A professors in recognition of scholarly activities including teaching, supervision of graduate students, research, publications and creative activities, and also on the basis of contributions to the community beyond the university. Eight are awarded each year. Besides receiving the distinction of being

designated a Killam Annual Professor, those selected receive an award of \$3,500.

- *Killam Memorial Chairs*: The two current holders are *Dr. David W. Schindler*, Department of Biological Sciences (and, incidentally, the 2003 winner of the Canada Council's \$100,000 Killam Prize in Natural Sciences); and *Dr. Valery P. Frolov*, Department of Physics.
- *Dorothy J. Killam Memorial Graduate Prize*: Four prizes of \$2,500 each are offered each year to the most outstanding Killam Memorial Scholarship winner in each of four discipline-specific areas: Engineering, Math and Physical Sciences; Life and Health Sciences; Humanities and Fine Arts; and Education, Physical Education and Professional Programs. Winners are selected on the basis of academic achievement, research proposal, letters of recommendation and leadership qualities.
- *Dorothy J. Killam Memorial Postdoctoral Prize*: Like its counterpart for doctoral candidates, this \$2,500 prize recognizes the most outstanding Killam Postdoctoral Fellowship recipient, selected on the same basis as the Graduate Prize winners.
- *Killam Award for Excellence in Mentoring*: This \$2,500 award recognizes academic staff who have demonstrated outstanding performance in mentoring undergraduate and graduate students, postdoctoral fellows, and visiting research scholars.

The names of all the U of A's Killam award winners appear in the supplementary material at the end of this Report.



THE UNIVERSITY OF CALGARY

The U of C plans to increase the stipend for its Killam Pre-doctoral Scholarships to \$28,000 (including benefits), up from \$23,500 this year. It is hoped that this increase will keep the Scholarship competitive, although (as discussed in last year's Report) it is recognized that the new wave of national scholarships now being instituted under the name Canada Graduate Scholarships will, at \$35,000 per year, certainly attract outstanding scholars.

The U of C, like all the Killam universities, continues to ponder the place of the Killam Scholarships – with rare exceptions the most valuable on campus up to now – in the new world opened up by the CGSs.

U of C's Graduate Scholarship Committee this year read 231 Scholarship applications from doctoral candidates; the top ranked of these received Killam Scholarships, joining 11 Scholars who received renewals. Four of the new Scholars are Honorary Killams, having received major external awards.

In addition, the U of C awarded a Killam Postdoctoral Fellowship, valued at \$35,000 per year for two years. The winner, *Dr. Amir Mahmoudkhan* of the Department of Chemistry, will work on an innovative approach to generate porous metal-organic frameworks to store hydrogen gas for fuel cells.

The two U of C Killam Chairholders, *Dr. Nigel Shrive* and *Dr. Roy Gravel*, continue their prodigious output in biomechanics and inborn errors of metabolism, respectively. The Trustees were particularly pleased this fall to have the opportunity of visiting the university's J.R. McCaig Centre for Joint Injury & Arthritis, where Dr. Shrive carries on part of his research.

The Centre, which conducts groundbreaking work in this important area, was made possible by *Bud McCaig* (for whom it is named), husband of our fellow Trustee, *Ann McCaig*.

The U of C's Killam Visiting Scholars Awards, worth \$50,000 plus a travel and research allowance, continue to attract outstanding academics to Calgary.

Under the U of C's other unique, innovative program, the university selects Killam Resident Fellows for a term of release time to complete a piece of research or other project, free of teaching and administrative responsibilities. The award recognizes merit in research, teaching or public service.

Finally, the Donald N. Byers Memorial Killam Prize is awarded each year to the student who has written the best Killam Memorial Scholarship research proposal. This year's winner is *Cori Lauson*, Department of Biological Sciences.

The full list of the U of C's 2004 Killam award winners is found at the end of this Report.



THE UNIVERSITY OF BRITISH COLUMBIA

Like the U of C, UBC is increasing its Killam Scholarship stipend to \$25,000 plus travel allowance, with the objective of ensuring that it remains the university's premier award for graduate students. UBC awarded 17 new Killam Scholarships this year (eight honorary), and renewed 13 (four honorary). The Killam-Donald N. Byers Prize, worth an additional \$2,500, is awarded to the highest ranking Killam Scholar.

The Killam Postdoctoral Fellowship program at UBC is stronger than in the other Killam universities, in the sense

that unlike the others, more than 50% of spending from the Killam Scholarship Trusts is devoted to postdoctoral candidates. (At the other Killam universities, predoctoral scholars receive the larger share.) The result is that UBC elected 10 new Killam Postdoctoral Fellows (four of them honorary) in 2004; they join nine renewed Fellows.

UBC also awards Killam Faculty Research Fellowships for approved study leave. They provide a stipend of \$15,000 per year to supplement the winners' sabbatical income, plus a travel and research grant of \$3,000. Preference is given to relatively junior faculty (tenured faculty members not more than 12 years from receiving their doctorate). Eight awards this year went to junior faculty and two to senior faculty.

The university also awards 10 Killam Research Prizes each year, five in the humanities and social services and five in the natural, applied and health sciences. At least three Prizes in each of these two groups are normally allocated to senior faculty, but typically at least one is also given to a junior faculty member. This year, there were one junior and four senior Prizes in each category. The Prizes are worth \$5,000 each.

As with the other Killam institutions, all Killam award winners are listed at the end of this Report.



Comings and goings: We warmly welcome *Karen Kain, C.C.*, new Chair of the Canada Council for the Arts, into the Killam circle. Ms. Kain is of course one of Canada's greatest ballerinas, but she is a devotee of the other arts as well. In casual conversation in Halifax in September, it quickly became apparent that the newly-appointed Chair had done her homework! She knew all about the Council's Killam program and expressed delight in becoming part of it.

Sadly, we say goodbye to *Christine Dickinson* at the end of 2004. Christine has served as Administrative Officer of the Killam Trusts for 16 years, all of them in Halifax except for the past year when her husband, a Canadian naval officer, was posted temporarily to the Canadian Forces College in Toronto. Communication by email and telephone worked well for a year, but with a new and permanent posting to Victoria, Christine feels she will no longer be in a position to continue her work for the Trusts. Christine has contributed enormously to keeping the Killam Trusts "shipshape and Bristol fashion", and all who have worked with her over the years – especially the Trustees – will miss her. We wish her and her family all the best.

We close by expressing our gratitude to all those academics and administrators at the Killam universities and the Canada Council who have spent so many hours over the past year in the service of the Killam cause. To you, and to all those marvellous scholars who have honoured the Killam name by accepting Killam awards, we say thank you – and best wishes for the holiday season and the new year.

John H. Matthews
W. Robert Wyman, CM, LLD, Chancellor Emeritus, UBC
M. Ann McCaig, AOE, LLD, Chancellor Emeritus, U of C
George T.H. Cooper, CM, QC, Managing Trustee
Trustees of the Killam Trusts
Halifax, Nova Scotia
November, 2004

KILLAM AWARD WINNERS

2004

LISTED BY INSTITUTION

UNIVERSITY OF ALBERTA

KILLAM PREDOCTORAL SCHOLARS

New Scholars

Au, Aaron; Music

Baciu, Bianca; Music

Barker, Erin; Psychology

Boychuk Duchscher, Judy; Faculty of Nursing**

Caine, Kenneth; Rural Economy**

Cui, Yu; Electrical and Computer Engineering

Das, Prodip Kumar; Mechanical Engineering**

Elbekai, Reem Hussein; Faculty of Pharmacy and Pharmaceutical Sciences**

Faruque, Md Omar; Electrical and Computer Engineering

Fraser, Erin; Renewable Resources

Hodgson, Jay; Music**

Humphrey, Kerry; Agricultural Food and Nutritional Science**

LaMontagne, Jalene; Biological Sciences

Latham, A. David; Biological Sciences

Li, Kan; Business - PhD

Li, Yuxi; Computing Science**

Maddigan, Sheri; Medical Sciences - Public Health Sciences**

Mandic, Sandra; Physical Education and Recreation

Nanji, Farah; Educational Psychology

Rozanova, Julia; Sociology

Shen, Gangxiang; Electrical and Computer Engineering

Spenceley, Shannon; Faculty of Nursing

Thomson, Ronald; Linguistics**

Wang, Feng; Physics

Wang, Jiandong; Electrical and Computer Engineering**

** Honorary Killam Scholar - A designation given to scholars who have received an external award and whose qualifications entitle them to a Killam Scholarship and to all the benefits accorded to Killam Scholars.

Renewal Scholars

Adamek, Magdalena; Music
Aldridge, Cameron; Biological Sciences
Altrows, Jessica; Educational Psychology**
Bell, Mary; Sociology
Caine, Vera; Educational Policy Studies**
Carmichael, Lindsey; Biological Sciences**
Cherry, Colin; Computing Science**
Djurfors, Barbara; Chemical and Materials Engineering
Dragic, Srdjan; Electrical and Computer Engineering
Fafard, Melanie; Anthropology
Fagarasanu, Mircea; Rehabilitation Medicine**
Filipescu, Cosmin; Renewable Resources
Fujiwara, Aya; History and Classics
Gifford, James; English
Henitiuk, Valerie; Comparative Literature, Religion and Film/Media Studies
Jones, Troy; Rehabilitation Medicine**
Kalmanovitch, Tanya; Music**
Lee, Jeong; Mathematical and Statistical Sciences
Morgan, David; Computing Science
Peternelj-Taylor, Cindy; Nursing
Rashotte, Judith; Nursing
Sample, Heather; Elementary Education**
Wells, Kristopher; Educational Policy Studies**
Yin, Hui; Linguistics
Yoon, Juil; Mechanical Engineering

Dorothy J. Killam Memorial Graduate Prize Winners

Das, Prodip Kumar; Mechanical Engineering**
Hodgson, Jay; Music**
LaMontagne, Jalene; Biological Sciences
Rozanova, Julia; Sociology

Killam Postdoctoral Fellows

New Fellows

Anderson, Edward; Physics
Buzon, Michele; Anthropology
Choi, Woo-Jung; Renewable Resources
Nagasawa, Yujin; Philosophy
Nouri, Alireza; Civil and Environmental Engineering
Russell, Gillian; Philosophy
Sears, Devin; Chemistry**
Yee, Wai Ling; Mathematical and Statistical Sciences**

Renewal Fellows

Arenson, Lukas; Civil and Environmental Engineering
Chung, Mee-Kyung; Chemistry**
Dodson, D. Alan; Music
Howard, Cosmo; Political Science
Jamieson, Sara; English
MacLeod, Lewis; English
Wilhelm, Andrea; Linguistics

Dorothy J. Killam Memorial Postdoctoral Prize Winner

Nouri, Alireza; Civil and Environmental Engineering

Killam Annual Professors

Fast, Janet; Human Ecology
Janowska-Wieczorek, Anna; Medicine
Li, Liang; Chemistry
McGann, Locksley; Laboratory Medicine and Pathology
Moore, Katherine; Nursing
Phillips, Linda; Elementary Education
Pianzola, Arturo; Mathematical and Statistical Sciences
Zuo, Ming; Mechanical Engineering

Killam Chairs

Frolov, Valery; Physics
Schindler, David; Biological Sciences

Killam Award for Excellence in Mentoring Winner

Belosevic, Mike; Biological Sciences

THE UNIVERSITY OF BRITISH COLUMBIA

KILLAM PREDOCTORAL SCHOLARS

New Scholars

Basso, Leonardo; Business
Bittner, Amanda; Political Science
Elyasi, Siamak; Chemical and Biological Engineering
Gerhard, Gillian; Curriculum Studies**
Gingras, Jacqui; Centre for Curriculum and Instruction**
Gretes, Michael; Biochemistry and Molecular Biology**

Haghshenas, Seyed Mehdi; Civil Engineering
Hansen, Ian; Psychology
Hunter, Darryl; Educational Studies**
Kelly, Fiona; Law
Kolossova, Natalia; Botany
McLaren, Jennie; Botany
Phillion, André; Metals and Materials Engineering**
Sonik, Madeline; Curriculum and Instruction
van Anders, Greg; Physics and Astronomy**
Wilson, Scott; Forestry**
Wong, Joseph Hao Tan; Computer Science**

Renewal Scholars

Baumbusch, Jennifer; Nursing
Brumme, Zabrina; Experimental Medicine
Bryan, Gregory; Language and Literacy Education**
Dixon, Katherine; Physics and Astronomy
Fangue, Nann; Zoology
Gelin, Michaela; Educational and Counselling Psychology, and Special Education**
Gould, Kevin; Geography
Hinton, Jennifer; Metals and Materials Engineering
Khalighi, Yashar; Civil Engineering
Lampard, Gregory; Plant Science
MacLachlan, Erin; Chemistry
Maggi, Stefania; Health Care and Epidemiology**
Marigold, Daniel; Rehabilitation Science
Mathur, Sunita; Human Kinetics**
Mell, Kathleen; English**
Neufeld, Josh; Microbiology
Poburko, Damon; Pharmacology and Therapeutics

Killam-Donald N. Byers Prize Winner

Phillion, André; Metals and Materials Engineering

Killam Postdoctoral Fellows

New Fellows

Agnarsson, Ingi; Botany/Zoology
Aharoni, Amir; Chemistry
Blake, Christopher; Physics and Astronomy
Cheviakov, Alexei; Mathematics
Franconeri, Steven; Psychology
Fuller, Sylvia; Sociology
Giordano, Daniele; Earth and Ocean Sciences
Norris, Ryan; Forest Sciences
Nyblade, Benjamin; Political Science

Renewal Fellows

Agrawal, Aneil; Zoology
Boughner, Julia; Oral Health Sciences
Cooke, Steven; Forestry
Frishman, Einat; Chemistry
Mejia Acosta, Andres;
Oriet, Chris; Psychology
Ozog, Mark; Anatomy and Cell Biology
Wainwright, Joel; Geography
Wickham, Mark; Biotechnology Laboratory

Killam Faculty Research Fellows

Alila, Younes; Forest Resources Management
Bai, Tony; Respiratory
Chapman, Mary; English
Chen, Jingyi; Mathematics
Dixon, Joy; History
Echard, Sian; English
Hur, Nam-lin; Asian Studies
Poole, Warren; Metal and Materials Engineering
Richman, Joy; Dentistry-OHS
Sherman, John; Chemistry

Killam Faculty Research Prize Winners

Dreisinger, David; Metals and Materials Engineering
Grigliatti, Thomas; Zoology
Gunew, Sneja; English
Lehman, Darrin; Psychology
Levi, Maurice; Business
McManus, Bruce; Pathology and Lab. Medicine
Salcudean, Tim; Electrical and Computer Engineering
Willinsky, John; Language and Literacy Education
Wolf, Michael; Chemistry
Woody, Sheila; Psychology

Killam Teaching Prize Winners

Bodolec, Jacques; French, Hispanic and Italian Studies
Brown, Judy; English
Curry, Ann; Library, Archival and Information Studies
Dawson, Anthony; English
Fannin, Jonathan; Civil Engineering
Hakstian, Ralph; Psychology
Herring, Geoffrey; Chemistry
Hubball, Harry; Curriculum Studies
Jaeger, Nicolas; Electrical and Computer Engineering
Klenz, Jennifer; Botany
LeMay, Valerie; Forest Resources Management

Le Roy, Mike; Marketing
Lowe, Alan; Oral Health Sciences
MacDougall, Bruce; Law
Mirenda, Pat; Educational and Counselling Psychology and Special Education
Osborne, Sally; Physiology
Pritchard, Robert; Music
Rodrigues, Brian; Pharmacology and Toxicology
Roscoe, Diane; Pathology and Laboratory Medicine
Roskelley, Calvin; Anatomy and Cell Biology
Teschke, Kay; Occupational and Environmental Hygiene
Ward, Michael; Mathematics

University Killam Professors

Affleck, Ian; Physics and Astronomy
Holsti, Kalevi J.; Political Science
New, William; English
Baird, Patricia; Medical Genetics

THE UNIVERSITY OF CALGARY

KILLAM PREDOCTORAL SCHOLARS

New Scholars

Cooper, David; Archaeology
Grant, Jessica; English**
Hugenholtz, Christopher; Geography
Lausen, Cori; Biological Sciences**
Navarro-Genie, Marco; Political Science
Rezaei, Abdol; Sociology**
Robertson, Elizabeth; Archaeology**
Waldie, Angela; English

Renewal Scholars

Abdelatif, Sherif Saad A.H.; Civil Engineering
Bye, Cristine; History**
Diskin, Katherine; Clinical Psychology**
Keown, Leslie-Anne; Sociology
Liang, Zhe; Mechanical and Manufacturing Engineering
McKay, Bruce; Neuroscience**
Mendez, Israel; Microbiology and Infectious Diseases**
Mintz, Alisa; Clinical Psychology**
Reid, Jennifer; Chemistry**
Saj, Tania; Anthropology
Salina, Davide; Medical Science**
Zajchowski, Laura; Biochemistry and Molecular Biology

The Donald N. Byers Memorial Killam Prize Winner

Lausen, Cori; Biological Sciences

Killam Postdoctoral Fellows

Mahmoudkahn, Amir; Chemistry

Killam Resident Fellows

Beaty, Bart; Communication and Culture
Davis, Richard; English
Timm, Annette; History
Coates, Donna; English
Jenkins, Jacqueline; English
Lund, Darren; Educational Research
Mollin, Richard; Mathematics and Statistics
Moorhead, Gregory; Biological Sciences
Seiler, Robert; Communication and Culture

Killam Chairs

Gravel, Roy; Medicine and Kinesiology
Shrive, Nigel; Civil Engineering

THE CANADA COUNCIL

KILLAM RESEARCH FELLOWS

New Fellows

Andrès, Bernard; Literary Studies - Université du Québec à Montréal
Carter, Sarah; History - University of Calgary
Clowes, Ron; Earth and Ocean Sciences - University of British Columbia
Dunbabin, Katherine; Classics - McMaster University
Guo, Hong; Physics - McGill University
Lancashire, Ian; English Literature - University of Toronto
Sinclair, Anthony; Zoology - University of British Columbia
Thewalt, Mike; Physics - Simon Fraser University
Young, Brian; History - McGill University

Renewal Fellows

Brook, Michael; Chemistry - McMaster University
Burford, Neil; Chemistry - Dalhousie University
Devereux, Michael; Economics - University of British Columbia
Friedlander, John; Mathematics - University of Toronto

Griffith, Marilyn; Biology - University of Waterloo
Hall, Brian; Biology - Dalhousie University
Kerrich, Robert; Geochemistry - University of Saskatchewan
Strong-Boag, Veronica; History/Canadian Studies - University of British Columbia

Killam Prize Winners

Arthur, James; Natural Sciences - University of Toronto
Kymlicka, Will; Social Sciences - Queen's University
Nattiez, Jean-Jacques; Humanities - Université de Montréal
Rossant, Janet; Health Sciences - Samuel Lunenfeld Research Institute,
Mount Sinai Hospital and the University of Toronto
Rowe, R. Kerry; Engineering - Queen's University

DALHOUSIE UNIVERSITY

KILLAM PREDOCTORAL SCHOLARS

New Scholars

Barresi, Tony; Earth Sciences**
Bassnett, Madeline; English**
Baum, Julia; Biology**
Belluccini, Federica; Interdisciplinary
Bottos, Shauna; Psychology**
Byrne, Tammy; English**
Cheraghi, Nader; Civil Engineering
Chevrier, Vincent; Physics**
Chikowero, Moses; History
Collins, Andrea; English
Drummond, Brie; Biology
Eaton, David; History
Finkler, Lilith; Interdisciplinary**
Goldwater-Adler, Samantha; Psychology**
Grant, Valerie; Psychology**
Gravel, Jeannine; School of Human Communication Disorders**
Ings, Steven; Earth Sciences**
Ishigami, Yoko; Psychology
Moon, Erin; Psychology**
Nazarava, Katsiaryna; Physics
Ottaway, Paul; Mathematics and Statistics**
Pearson, Jason; Chemistry**
Qi, Qiufen; Interdisciplinary
Renault, Nisa; Pathology**
Schulz, Tyler; Biology**
Shahin, Khaled; Civil Engineering**

Sherratt, Marian; Sociology and Social Anthropology
Sleno, Lekha; Chemistry**
Tougas, Jane; Computer Science**
Whalen, Tara; Computer Science
Woodman, Tessah; Health and Human Performance**

Renewal Scholars

Anderson, James; Philosophy**
Bahr, Peter; Philosophy**
Batongbacal, Jay; Faculty of Law**
Bonakdarpour, Arman; Physics**
Bradbury, Ian; Biology
Brown, Ralph; History**
Cain, Seth; International Development Studies
Carter, Michael; Chemistry**
Cheng, Karen; Chemistry**
Dolcos-Bazgan, Calin; Anatomy and Neurobiology
Erdmann, Saskia; Earth Sciences
Fabian, Steven; History**
Fleischauer, Michael; Physics**
Gomez, Geraldine; Pharmacology**
Hanke, Felix; Physics
Hardie, David; Biology
Harker, Kenneth; Psychology**
He, Yanjing; Mathematics
Hoshino, Richard; Mathematics**
Hu, Zhifei; Civil Engineering
Huybers, Sherry; Health and Human Performance**
Jakubinek, Michael; Physics**
Jones, Eluned; English**
Kehler, Daniel; Biology
Kelly, Noreen; Oceanography**
Kretz, Lisa; Philosophy**
Lipp, Judith; Interdisciplinary**
Ma, Changning; Electrical and Computer Engineering
MacPherson, Amy; Psychology
Mahmoud, Nesreen; Biological Engineering
Mailloux, Julie; Resource and Environmental Studies**
Marshall, Susanne; English**
Mboudjeke Nzale, Jean Guy; French
Meek, Heather; English
Mothana, Belquis; Chemistry**
Mustafiz, Shabbir; Civil Engineering
O'Neill, Daniel; Resource and Environmental Studies**
Osmond, Allison; Physiology and Biophysics
Ottier, Audrey; International Development Studies
Ovans, Robyn; Chemistry**
Owen, Corey; English**
Rankin, Matthew; Chemistry**
Richard, Cynthia; Pharmacology**

Rodriguez-Evora, Yan; Chemistry
Rothenburger, Sunnie; English
Russell, Stephen; Classics**
Rygel, Michael; Earth Sciences
Saha, Gobinda; Mechanical Engineering**
Seaville Klein, Victoria; Philosophy**
Talbot, Pamela; Community Health and Epidemiology**
Tang, Bin; Computer Science
Thiemann, Gregory; Biology
Willenbring Staiger, Jane; Earth Sciences
Wilson, Garnett; Faculty of Computer Science**
Wood, Tabitha; Chemistry**
Woodrow, Jennifer; Philosophy**
Yue, Jin; Mathematics
Zhao, Liang; Chemistry

Killam Postdoctoral Fellows

New Fellows

Lukas, Gabor; Mathematics
Matta, Cherif; Chemistry
Siew, Naomi; Biochemistry and Molecular Biology
Sigbjorn, Hervik; Mathematics and Statistics

Renewal Fellows

Baader, Maria; History
Baur, Steven; Music
Dalebout, Merel; Biology
Gonsalves, Joshua; English
Gophna, Uri; Biochemistry and Molecular Biology
Lawrence, Sean; English
Mitrasinovic, Petar; Chemistry
Strychar, Kevin; Marine Biology
Syvitski, Raymond; Pharmacy

Faculty of Science Killam Professors

Beaumont, Chris; Oceanography
Brown, Richard; Psychology
Burnell, Jean; Chemistry
Chatt, Amares; Chemistry
Cullen, John; Oceanography
Dunlap, Richard; Physics
Gibling, Martin; Earth Sciences
MacRae, Tom; Biology
McGrath, Patrick; Psychology
Phillips, Dennis; Psychology
Pincock, Jim; Chemistry
Whitehead, Henry; Biology

Faculty of Science Killam Prize Winners

Gosse, John; Earth Sciences
Waschbusch, Daniel; Psychology

Killam Chairs

Islam, Rafiqul (Petroleum Engineering); Civil Engineering
Myers, Ransom (Ocean Studies); Biology
Rosson, Philip (Business Informatics); Business Administration
White, Mary Anne (Materials Science); Chemistry; Physics

MONTREAL NEUROLOGICAL INSTITUTE

KILLAM SCHOLARS

Antel, Jack
Collins, Louis
Dagher, Alain
del Maestro, Rolando
Diksic, Mirko
McPherson, Peter
Nalbantoglu, Josephine
Owens, Trevor
Paus, Tomás
Petrides, Michael
Ragsdale, David
Seguela, Philippe
Sossin, Wayne

Killam Prize Winner

Roger, Eric

Killam Professor

Pike, Bruce

Dorothy J. Killam Professor

Milner, Brenda

Killam Chair

Karpati, George