



THE KILLAM TRUSTS

**ANNUAL
REPORT
2005**

*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 78 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.

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2005 ANNUAL REPORT

OF THE KILLAM TRUSTEES



The glittering ancien régime ballroom of the Ritz Carlton Hotel in Montreal was the setting for this year’s magnificent dinner and awards ceremony for the Killam Prizes held on April 25. At this light-hearted but formal occasion, organized each year by the Canada Council for the Arts and generously underwritten by The Bank of Nova Scotia, five pre-eminent Canadian scholars are recognized for their lifetime contributions in five different fields of research and scholarship: Health Sciences, Natural Sciences, Engineering, Humanities and Social Sciences.

This year, as always, the prize winners presented a five minute synopsis of their work, often with poignant personal thoughts about the central importance of family and colleagues in their success. And even more than in past, this year’s awardees told us about themselves, and what it was that first motivated them to pursue their work. For *Dr. Brian Hall*, it all came down to dinky toy – a red single decker bus – that he buried in his mother’s garden in his native Australia at the age of three, to see if it would sprout into a double-decker. He forgot all about it until age 20 when, digging in the garden, he came across it and recalled his childhood experiment. This led him to devote his life to the biological sciences, specifically zoology. Today he is a world leader in Evolutionary Developmental Biology, or “Evo-Devo”. Largely because of Dr. Hall’s work, Evo-Devo is now an established scientific field with three scientific journals devoted to it. And this year, after a career spent at Dalhousie University – about as far away from Australia as you could get – the dinky toy sprouted the Killam Prize in Natural Sciences.

Quite remarkably, three of this year’s Killam Prize winners were from one university, McGill: *Dr. Luc Devroye*, Engineering; *Dr. Nahum Sonenberg*, Health Sciences; and *Dr. Margaret Lock*, Social Sciences. And, like Brian Hall, all three are immigrants. Only *Dr.*

Linda Hutcheon of the University of Toronto, Killam Prize winner in Humanities, is a native born Canadian.

How utterly fitting this is! For Dorothy Johnston Killam held that a principal aim of her gifts, totalling some \$100 million, was to reverse the “brain drain” by keeping world class Canadian scholars in Canada and attracting others to our shores. For in the mid-1960’s, when the five “Killam universities” and the Canada Council came into possession of these magnificent legacies, Canada was certainly losing more top scholars and researchers than it was gaining from elsewhere.



Dorothy Johnston Killam was herself an immigrant to Canada. She came to Montreal in the early 1920’s and shortly thereafter married Izaak Walton Killam, a rising young businessman recently arrived from Nova Scotia. Over the following three decades they settled on their “grand project”: to use their great wealth to advance higher education in Canada. Mr. Killam died suddenly in 1955, and it was left to Mrs. Killam (who died ten years later) to give expression to their vision. Here, from her Will, is that vision:

“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.”

As this year’s Prize winners attest so well, the Killam vision has worked.



The nexus between the Ritz Carlton and the Killams is more direct than the fleeting fact that in 2005 the prizes in their names were presented there 40 and 50 years after their respective deaths. When the Killams were at the centre of the business and social life of

Montreal they lived close by, in one of those large capitalist grey stone mansions on Sherbrooke Street, long since torn down.

On one grand occasion Mrs. Killam had invited the *glitterati* of Montreal to dinner. (The outgoing Mrs. Killam, who loved entertaining, was in her element; her much more reserved husband was said to be upstairs in his study.) The party began to flag around midnight. So to perk things up Mrs. Killam called the Ritz and had them send over their dance band. The party went on until dawn!



The Montreal Neurological Institute at McGill University is one of the five “Killam” universities. Mrs. Killam included the MNI in her Will, so it seems, in recognition of the fine care that its famous founder, Dr. Wilder Penfield, gave in the 1940’s to one of Mr. Killam’s close associates. The “Neuro”, as it is popularly known, has for a few years now held a weekly seminar series in Mrs. Killam’s name. This series features pre-eminent scholars, researchers and clinicians, drawn to Montreal by the Institute’s superior reputation in neuroscience and neurosurgery.

Dalhousie University as well holds an annual Dorothy J. Killam Lecture Series, featuring three scholars on a topic of current interest ranging from the humanities to science and technology. This autumn the theme was “Towards a New Global Order?”. The speakers, *Elizabeth May*, President of the Sierra Club of Canada; *Walden Bello*, University of the Philippines, and *Paul Rogers*, University of Bradford, attracted audiences totalling over 1,500.



Our American cousins, the US Killam Trusts, also sponsor an annual lecture – the “Elizabeth Killam Rodgers and Constance Killam Distinguished Lecture” – in conjunction with the Canada-US Fulbright Foundation. This September, *Dr. John Brademas*, a former Majority Whip in the US House of Representatives and a distinguished former President of New York University, spoke to a group of Canadian and American scholars assembled at the new Canadian War Museum in Ottawa.

Through these three lecture series, then, the Killam name is becoming ever more widely known in North American academic circles and, we hope, more broadly as well.

There is more about the US Killam Trusts later in this Report.



The other Killam institutions – The University of British Columbia, The University of Alberta, The University of Calgary, and the Canada Council – do not hold lectures, but two of them have this year taken up new projects which highlight the Killam name. The University of Alberta will restore and convert a 1913 heritage building at a cost of \$9 million to establish “The Killam Centre for Advanced Studies”. To be ready by early 2007, it will house the Faculty of Graduate Studies and Research, Graduate Students’ Association, Postdoctoral Fellows Office and Postdoctoral Fellows’ Association. And the Canada Council has named one of its adjudication rooms after the Killams.

The Trustees are pleased to see these developments. Although not well known outside academic circles, the Killam Trusts approach \$400 million in market value – about the size of the Rhodes Trust in England, and not hugely behind the Nobel Foundation in Sweden. By recognizing the Killam name in these and other ways, the Killam institutions pay fitting tribute to these two extraordinary benefactors.

But there is more. For the Trustees, telling the Killam story is an important part of their work, and also that of the Killam institutions. By so doing we hope that other wealthy Canadians may be encouraged to emulate the Killam example of support for higher education in this country.



In addition to the lectures sponsored by the Killam institutions, the Trustees themselves also sponsor an annual lecture. This year, as a departure from past practice, there were two lecturers: The

Honourable Bob Rae, author of an in-depth Post Secondary Review of higher education in Ontario which last February laid out a set of highly acclaimed recommendations for the Ontario government to follow; and the *Honorable Kenneth Prewitt*, Carnegie Professor of Public Affairs at Columbia University, New York City and former Director of the US Census Bureau.

As always, the Killam Annual Lecture was presented on the occasion of the annual conference of the Canadian Association for Graduate Studies (CAGS), which brings together the Deans, Associate Deans, and their assistants from the Faculties of Graduate Studies at all Canadian universities. This year, CAGS had as guests their American counterparts, the US Council of Graduate Schools (CGS).

The Lecture this year was, we believe, a roaring success. The subject was change – always difficult but especially for universities, whose essential organizational structure has changed little since the Middle Ages. More accurately, the talks were about the two key agents of change for universities: the government, and the university administration. The Lecture is being mailed out to our list of over 5,000 Killam Scholars and Scholarship Committee members, past and present. If you would like extra copies, please get in touch with our Administrative Officer, whose contact particulars are given on the outside back cover. All the Lectures from the beginning of the series in 1994 are also available on our Killam website: www.killamtrusts.ca



As readers of these Trustees' Annual Reports will know, in recent years we have begun to form close ties with the US Killam Trusts through *John B. Newhall*, their principal Trustee. Though smaller than the Canadian Trusts – \$13 million US as against about \$400 million Canadian – the US Trusts are playing an increasingly important role in higher education in Canada.

As noted above, the US Trusts have formed a liaison with The Foundation for Educational Exchange between Canada and the United States of America, the body that administers the Canadian

aspect of the prestigious scholarships named in honour of the late US Senator J. William Fulbright. These scholarships aim to bring top foreign students to American universities and the reverse. The US Killam Trusts supply funding for up to 20 Fulbright Scholarships at the undergraduate level, half for Canadians from selected Canadian universities to attend US colleges and half the other way around.

The US Killam Trusts have also made grants to 13 eastern US colleges and universities. In addition, they have provided funding to four Canadian universities (Acadia, Dalhousie, Memorial, and McGill), mainly for scholarships for their American undergraduates.

Last fall we Canadian Trustees paid a visit to Boston to visit two of the “US Killam universities” – Harvard and the Massachusetts Institute of Technology – and this year for the third time John Newhall came to Canada for our Killam Annual Lecture. He also attended our Killam Annual Conference, which brings together the Deans of Graduate Studies of all our “Canadian Killam universities”.

We believe these cross-border exchanges strengthen the Killam programs in both countries.



Update: In our 2003 Report, we observed that the then-new Canada Research Chairs program and the Canada Graduate Scholarship program held the potential to pose some difficulties for us. The “problem”, if a good thing can be so labelled, was due to the generosity of the two government programs. Would the \$200,000 value of the CRC’s put our Killam Chair awards in the shade? Would the \$35,000 CGS stipend mean that our Killam graduate scholarships would be relegated to the second tier?

We now have enough experience under our belt to know that in both cases the answer is a resounding “no”. Killam Chairs continue to be among the best tools at hand to attract and retain international scholars of renown. As for the Killam Scholarships, they continue to be awarded to the top students; and such is the honour of the name that at some of the Killam institutions CGS winners will be

awarded an “Honorary Killam”, as is already the case with winners of awards from the Natural Sciences and Engineering Research Council (NSERC) and the Social Sciences & Humanities Research Council (SSHRC). These honorary CGS scholars receive the Killam “extras”, such as the payment of tuition fees and travel and research grants, raising their stipend above the \$35,000 mark. Besides, Killam Scholarships are now set between \$25,000 and \$30,000 not including the “extras”, so even now they are (with the “extras”) close to the CGS. In a short span of years they should once again be the most valuable, as well as the most prestigious, graduate scholarships on campus.

Two final points: At each Killam university there are many more Killam Scholarships than CGS’s. What is more, unlike the CGS’s they are open to foreign students. We Trustees are therefore happy to report that the Killam Scholarships remain the premier graduate scholarships at Dalhousie, UBC, U of A, and U of C.

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



DALHOUSIE UNIVERSITY

As in the recent past, the Killam endowments at Dalhousie support six programs in addition to the Dorothy J. Killam Lecture Series reported on above.

The most important of these, as at each Killam university, is the scholarship program for masters and doctoral students, tenable for two and three years respectively. Of Dalhousie’s 38 new Killam Scholars (eight master’s and 30 doctoral), nearly two-thirds hold major external awards such as NSERC, SSHRC, CGS, Trudeau, and Payette Scholarships. The annual stipend of \$23,000 for doctoral students is, however, proving to be a little on the low side, and will go to \$25,000 next year. Although foreign students receive in addition the foreign student differential fee, they often miss this when scanning the web for possible scholarships in Canada; the result is

fewer foreign applications than previously. Another reason for the decline is that graduate studies programs are growing in developing countries such as India and China, so that more students are staying in their home countries to pursue advanced degrees.

The stipend for Dalhousie's Killam Postdoctoral Fellowships, now 13 in number, stands at \$40,000. However, Killam Postdocs receive in addition their travel costs to and from Halifax for both themselves and their spouses, as well as social benefits and conference grants. In the result, the award is actually worth close to \$50,000.

Dalhousie has three Killam Chairholders:

- *Dr. Zhizhang (David) Chen*, Electrical and Computer Engineering. Dr. Chen supervises 20 researchers, and since arriving at Dalhousie in February, 2005 the group has already published five journal articles and eight conference papers.
- *Dr. Philip Rosson*, Business Informatics, appointed in 2002. Dr. Rosson continues to publish and present conference papers in the areas of innovation and economic development, marketing and the Internet, and corporate visual identity (CVI) management.
- *Dr. Rafiqel Islam*, Petroleum Engineering, appointed in 2000. Dr. Islam has joined the editorial board of Energy Sources (Policy), and is executive editor of a new US publication, the Journal of Nature Science and Sustainable Technology. In 2005 he received an NSERC Strategic Grant (\$600,000), with significant matching from the petroleum industry.

Joining these three in January, 2006, will be *Dr. John Cullen*, Ocean Studies. He replaces *Dr. Ransom Myers*, whose five year term as Killam Chair ended this year. Also finishing her term this year is *Dr. Mary Anne White*, Materials Science. We thank Drs. Myers and White for the honour they have brought to the Killam name during their distinguished tenure as Killam Chairholders.

The Faculty of Science has two Killam programs: the Killam Science Professorships, and the Killam Science Prize. Currently 12 Dalhousie faculty hold Killam Professorships; these appointments are for five year terms, with salaries being paid from Dal's Killam Memorial Salary endowment. The 2005 Killam Science Prize winner is *Dr. Mark Stradiotto*, Assistant Professor in the Department of Chemistry.

Finally, there exists at Dalhousie (uniquely) the Killam Memorial Research and Scholarship Fund. This is sometimes called the "Anonymous Donor's Fund" as a holdover from the day when Mrs. Killam gave Dalhousie \$4 million during her lifetime (augmented by \$8 million after her death) to establish the fund – anonymously – as a way of trying out her Killam Scholarship vision before committing her full estate to the much larger scheme set out in her Will. Worth some \$30 million, the income from this fund provides support for graduate students in Medicine, Science, and Engineering. Although recipients are not designated as Killam Scholars, the support these funds provide is vital to Dal's programs in these three fields. Unlike all other Killam programs, income from the Anonymous Donor's Fund is only available to Canadians.

You can find the full list of all Dalhousie Killam Award Winners at the end of this Report.



MONTREAL NEUROLOGICAL INSTITUTE OF MCGILL UNIVERSITY

The Neuro, being both a research and a clinical institute closely associated with McGill and its teaching hospitals, operates its Killam Scholarship and Fellowship programs differently from the other Killam institutions. Fifteen eminent researchers and clinicians, some with degrees in medicine but many engaged in cognate scientific disciplines, are appointed for five year terms.

To pick but three:

- *Jack Antel, M.D.*, has gained world renown as an authority on multiple sclerosis. His research focuses on the cellular interaction between the immune system and the central nervous system. In a prolific 30 year career to date, Dr. Antel has contributed to 261 scientific papers, including 10 in 2004-2005. He is a co-editor of “Clinical Neuroimmunology”, whose second edition was published this fall.
- *Louis Collins, B.Comp.Sc., M.Eng., PhD*, is a principal investigator at the MNI’s McConnell Brain Imaging Centre, recognized as one of the foremost centres of its kind in the world. Dr. Collins is an expert on 3D and 4D image analysis and brain image registration. His research is focused on the development of new tools and applications of computer aided image-guided surgery. He has developed methods of automatic analysis of magnetic resonance images to characterize normal cerebral anatomy and the changes associated with diseases such as multiple sclerosis, epilepsy, schizophrenia and Alzheimer’s dementia.
- *Alain Dagher, B.Eng., M.Eng. MD*, is a neurologist and associate professor at McGill’s Department of Neurology and Neurosurgery. He seeks to understand the relation of the nervous system to various forms of addiction and Parkinson’s Disease. He is a co-investigator in ongoing projects funded by the Canadian Institutes of Health Research to study the role of dopamine and serotonin in cocaine addiction, and to determine why some people are at high risk of alcoholism and substance abuse. He is also an investigator in a Harvard University study of the chemical reactions in the brain of pathological gamblers. In 2004-2005, Dr. Dagher contributed to eight scientific papers.

The Trustees are particularly pleased to report that Killam annual funding for the Neuro, although a relatively modest \$700,000, is highly leveraged in that it enables recipients to apply for and receive a great deal of additional support from many other granting agencies, both Canadian and international.

THE CANADA COUNCIL FOR THE ARTS

As everyone knows, financial markets in recent years have been less than stellar, and in fact the market value of Killam Trusts in aggregate, after annual spending, have not yet come back to their all-time high reached in 2000. And although recent returns are improving, the spending formula is based on a percentage of market values averaged over the past three or four years (depending on the institution). This means that until the “bad” years drop out of the formula, funds available for spending in a particular year will lag the market recovery. Killam programs at all our institutions have felt the resulting pinch, but perhaps none more than the Canada Council. While the Killam Prize program continues as strong as ever – five annual Prizes worth \$100,000 each – the Council’s Killam Research Fellowship program has had to be cut back to only seven new scholars in each of 2004 and 2005.

None of this has meant a diminution in the number or quality of the applicants. Indeed, pound for pound, one might even imagine that the quality has gone up, given that an even thinner slice of the 80 or more applicants each year are selected. We hasten to add, however, that such imaginings are just that; in fact, even if one day we are able to double the number of KRF’s and get back to the more traditional number of awards – 12 to 15 – the quality would remain uniformly high. The fact is, it is an almost impossible task to distinguish among this star-studded list, *la crème de la crème* of mid-career scholars and academics from across Canada.

Happily, recent market improvements suggest the Council will be able to support up to 11 new KRF’s in 2006. With the payout rate on Killam funds now reduced to 4.5% of the rolling three year average of their market value, the Trustees hope for an early return to normal. On a historical note, the Council’s statistics show that from the beginning in 1968 some 4,399 scholars have applied for KRF’s, producing 494 Fellows. This is an average of exactly 13 Fellows per year.

The KRF’s provide scholars with much valued release time from teaching and administration duties for two years, allowing the Fellows to concentrate intensively on a research project, a pub-

lication, or some other piece of important scholarly work. The program pays the winner's university approximately \$70,000 per year, which is used to hire replacement faculty while the Fellow remains on full salary.

The Canada Council's Killam Prizes, truly the "jewel in the Crown" among the Killam programs across Canada, has remained untouched by the recent market downturn. You can read about this year's winners in the opening section of this Report.

The names of both the Killam Research Fellows and the Killam Prize winners are listed at the end of this Report.



UNIVERSITY OF ALBERTA

A distinguishing feature of the Killam program at the U of A is its Killam Annual Professorships. These are awarded to outstanding academics in recognition of their distinguished academic careers. The award is based on scholarly activities including teaching, supervision of graduate students, research, publications, creative activities, and contributions to the community beyond the University.

Nominations are initiated directly by the applicants and a committee, appointed and chaired by the Vice-President (Research), selects the winners. Up to eight Professorships have been awarded each year since 1991. The Killam Memorial Salary Endowment and the Killam General Endowment at the University of Alberta finance the salaries and benefits of the annual Professors. In addition, each Professor receives an award of \$3,500 and a commemorative certificate.

The U of A's Killam Award for Excellence in Mentoring is also unique. It recognizes academic staff members who have demonstrated outstanding performance in mentoring undergraduate and graduate students in research, as well as postdoctoral fellows and visiting research scholars. The award consists of \$5,000 and a commemorative certificate which is presented to the recipient at the U of A's annual Killam dinner.

But of course the premier award at the U of A, as it is at its sister universities, is the Killam Scholarship for doctoral scholars, the “brightest and the best” at the U of A. These scholarships are awarded for two years, and provide a stipend of \$24,000 per year. When the annual tuition and fees and other emoluments are included, the all-in package is worth approximately \$31,000 per year, and is due to go up by \$3,000 for scholarships commencing in May 2006.

There were 121 applications in 2005, with 36 new doctoral scholarships (22 honorary) being offered. These joined 22 scholars (8 honorary) whose awards were renewed for a second year, making a total of 58 Killam doctoral scholars on stipend.

Killam Postdoctoral Fellowships at the U of A, now worth \$40,000 plus a \$4,000 research allowance and a travel allowance, were awarded to 10 new Fellows (two honorary). Five Fellowships (one honorary) are being renewed, for a total of 15 on stipend in 2005-2006.

Winners of both the predoctoral and postdoctoral prizes are eligible for yet another prize, awarded to the most outstanding scholars in each of four discipline-specific areas for doctoral candidates, plus one for postdoctoral scholars. They are worth \$2,500 each, a nice top-up to an already generous scholarship award.

The U of A continues to support two very distinguished Killam Memorial Chairholders: *Dr. Valeri P. Frolov*, Department of Physics, and *Dr. David W. Schindler*, Department of Biological Sciences.

For a full list of all the U of A’s Killam winners, please see the end of this Report.



THE UNIVERSITY OF CALGARY

The U of C conducts two programs not offered at the other Killam universities: the Killam Visiting Scholars program, and the Killam Resident Fellows program.

Dr. John Helliwell, Professor Emeritus of Economics at UBC, was Killam Visiting Fellow at the U of C from January to April, 2005. An internationally renowned scholar in the fields of measuring social capital, globalization and the determinants of human well-being, Dr. Helliwell's visit to Calgary was an extremely productive one. Together with U of C faculty members from Political Science, Economics, and the Haskayne School of Business, he participated in a weekly seminar series on subjective well-being. He also conducted two graduate seminars in this area, gave a public lecture on his research, and entered into two research collaborations with U of C professors in Psychology and Social Work. As a result of all this, two U of C graduate students have now decided to write their theses on topics related to subjective well-being.

The U of C's Killam Resident Fellowships are intended to recognize merit in research, teaching or public service. They provide selected U of C professors with release time from teaching and administrative duties for one term, in order to complete a piece of research or other scholarly work. Eight Fellowships were awarded during the Autumn of 2005. To pick just two: *Dr. Kevin Young* of the Sociology Department will use the time to complete a book titled "Violence, Sport, and Society" to be published by the Oxford University Press, and *Dr. Kenneth MacMillan* of the History Department will complete a manuscript entitled "Expressions of Sovereignty: Legal Foundations of the English Overseas Empire, 1576-1640". Another seven Fellows will take up their awards in the Spring of 2006.

The U of C awarded 11 new Killam Scholarships to PhD candidates, from a field of 248 applicants. Seven of these are Honorary Killams, meaning that they have received an external award from NSERC, SSHRC, or some other national granting agency, but receive a "top-up" to bring their award up to the Killam level. They join six students in the second year of their Killam Scholarship, of whom three are Honorary.

U of C's two Killam Chair Holders, *Dr. Roy Gravel* and *Dr. Nigel Shrive*, continue to do groundbreaking research. Dr. Gravel's field is nutrition, genetics, and performance, and he is associated with

the Faculties of Medicine and Kinesiology. Dr. Shrive's field is the application of the principles of structural mechanics to both masonry and biological structures; he is a member of the Faculties of Engineering, Kinesiology, and Medicine.

You can find a listing of all the U of C's Killam award winners for 2005 at the end of this Report.



THE UNIVERSITY OF BRITISH COLUMBIA

At UBC, uniquely among the Killam universities, the funds available for Killam Scholarships are divided equally between predoctoral and postdoctoral studies. For 2005 there are 18 new predoctoral Scholars and 11 new postdoctoral Fellows. Of these, well over half are Honorary, having been recipients of major external awards.

Unfortunately, as is roughly the case for all the other Killam universities, UBC's budget available for these Scholarships has dropped about 15% over the past three years. This is due to reduced investment returns, the adoption of a lower payout rate on Killam endowments as a long term capital preservation measure, and the "drag" effect of the three or four year moving average spending formula (see the Canada Council section of this Report). In light of this experience, UBC has done a lot of careful planning with the objective of avoiding wide fluctuations in the number of Scholarships and Fellowships to be awarded in the years ahead. The good news is that the Killams remain UBC's premier awards at both the graduate and postgraduate levels, as they are at all the other institutions.

Like the other Killam universities, UBC mounts certain programs that are unique to it, paid for from its Killam Salary and Killam General Endowment Funds. In UBC's case, these are the Killam Faculty Research Fellowships and the Killam Research Prizes.

Each year, 10 Fellowships are awarded to faculty members for an approved study leave. The stipend is \$15,000 per annum, provided regular salary is not exceeded. They also provide a travel and research grant of up to \$3,000. Preference is given to relatively

junior faculty (not more than 12 years post doctorate).

Ten Prizes of \$5,000 each are awarded each year, five in the humanities and social sciences and five in the natural, applied and health sciences. In the case of the Prizes, the emphasis is on senior faculty.

Recipients of all the 2005 Killam awards at UBC are listed at the end of this booklet.



We warmly welcome to the Killam fold Sarah Pace, BA (Hons), who was appointed Administrative Officer of the Killam Trusts in April of 2005. Sarah is a graduate of Dalhousie in languages (French and Spanish). She knows the university scene well, having worked with Dal's Department of Electrical and Computer Engineering for a number of years.

If you or a colleague have questions or comments about any aspect of the Killam programs, you can get in touch with Sarah by referring to the contact particulars on the outside back cover.

In closing, we extend our grateful thanks to all members of the faculty and administration of our Killam universities and the Canada Council. You have rendered invaluable service to the cause of higher education, and especially to those marvelous Killam Scholars from coast to coast who are in your care.

To you, and to all Killam Scholars past and present, we express best wishes for 2006.

John H. Matthews
W. Robert Wyman, CM, LLD, Chancellor Emeritus,
The University of British Columbia
M. Ann McCaig, CM, AOE, LLD, Chancellor Emeritus,
The University of Calgary
George T.H. Cooper, CM, QC, LLD, Managing Trustee

*Trustees of the Killam Trusts
Halifax, Nova Scotia
November, 2005*

KILLAM AWARD WINNERS

2005

LISTED BY INSTITUTION

UNIVERSITY OF ALBERTA

Killam Predoctoral Scholars

New Scholars

Armijo Olivo, Susan; Rehabilitation Medicine
Bell, Emily; Psychiatry
Bostik, Katherine; Educational Psychology*
Caners, Richard; Renewable Resources
Chhin, Sophan; Renewable Resources*
Defert, Jean-Jacques; Modern Languages & Cultural Studies
Gallo, Maria; Physical Education & Recreation
Hamdy, Samar; Pharmacy & Pharmaceutical Sciences
Haughland, Diane; Biological Sciences*
Irvine, Scott; Electrical & Computer Engineering*
Koning, Cynthia; Rehabilitation Medicine*
Levner, Ilya; Computing Science*
Lizotte, Daniel; Computing Science*
Marusiak, Christopher; Educational Psychology
McCarrol, Cody; English & Film Studies*
McDougald, Megan; Business – PhD*
McTaggart, Anne; English & Film Studies*
Morrison, Shawn; Biological Sciences*
Nnamani, Ndubuisi; Music
Nour, Mohamed; Civil & Environmental Engineering
Parker, Christopher; Computing Science
Rust, Tiana; Psychology*
Schreyer, Christine; Anthropology*
She, Yuntong; Civil & Environmental Engineering
Slomp, David; Secondary Education*
Smith, Michelle; English & Film Studies*
Stelmach, Bonnie; Educational Policy Studies*
Stormer, Flora; Business – PhD*
Tanner, Brian; Computing Science*
Tchir, Trevor; Political Science*
Tian, Zhigang; Mechanical Engineering*
Tiessen, Matthew; Art and Design, and Sociology (Special Ph.D. Program)*

*Honourary 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.

Tresguerres, Martin; Biological Sciences
Wang, Qian; Mathematical & Statistical Sciences
Xu, Yong; Cell Biology*
Zhang, Jing; Rural Economy

Renewal Scholars

Au, Aaron; Music
Baciu, Bianca; Music
Boychuk Duhscher, Judy; Nursing*
Caine, Kenneth; Rural Economy*
Cui, Yu; Electrical & Computer Engineering
Elbekai, Reem Hussein; Pharmacy & Pharmaceutical Sciences*
Faruque, Md Omar; Electrical & Computer Engineering
Fraser, Erin; Renewal Resources
Hodgson, Jay; Music*
Humphrey, Kerry Lyn; Agricultural, Food & Nutritional Science*
LaMontagne, Jalene; Biological Sciences
Latham, A. David; Biological Sciences
Li, Kan; Business- PhD
Li, Yuxi; Computing Science
Mandic, Sandra; Physical Education & Recreation
Nanji, Farah; Educational Psychology
Rozanova, Julia; Sociology
Shen, Gangxiang; Electrical & Computer Engineering
Spenceley, Shannon; Nursing*
Thomson, Ronald; Linguistics*
Wang, Feng; Physics
Wang, Jiandong; Electrical & Computer Engineering*

Dorothy J. Killam Memorial Graduate Prize Winners

Bostik, Katherine; Educational Psychology*
Haughland, Diane; Biological Sciences*
Nnamani, Ndubuisi; Music
Nour, Mohamed; Civil & Environmental Engineering

Killam Postdoctoral Fellows

New Fellows

Berube, Marie; Chemistry
Bhowmik, Pankaj; Agriculture, Food & Nutritional Science
Fleishauer, Michael; Electrical & Computer Engineering*
Gao, Huijun; Electrical & Computer Engineering*
Kavalski, Emilian; Political Science
Miller, Kiri; Music
Stott, Katherine; Religious Studies
Thompson, Niobe; Anthropology
Xu, Cai-Li; Biological Sciences
Yin, Jiang; Biochemistry

Renewal Fellows

Buzon, Michele; Anthropology
Nouri, Alireza; Civil & Environmental Engineering
Russell, Gillian; Philosophy
Sears, Devin; Chemistry*
Yee, Wai Ling; Mathematical & Statistical Sciences

Dorothy J. Killam Memorial Postdoctoral Prize Winner

Gao, Huijun; Electrical & Computer Engineering*

Killam Annual Professors

Boxall, Peter; Rural Economy
Finlay, Warren; Mechanical Engineering
Jamali, Fakhreddin; Pharmacy & Pharmaceutical Sciences
Marples, David; History & Classics
Pemberton, George; Earth & Atmospheric Sciences
vanManen, Max; Secondary Education
Weiner, Joel; Biochemistry
Xu, Wilsun; Electrical & Computer Engineering Research Facility

Killam Chairs

Frolov, Valeri; Physics
Schindler, David; Biological Sciences

Killam Award for Excellence in Mentoring Winner

Rogers, W. Todd; Educational Psychology

THE UNIVERSITY OF BRITISH COLUMBIA

KILLAM PREDOCTORAL SCHOLARS

New Scholars

Bidner, Christopher Allan; Economics
Castro, Leonardo Camargo; Electrical & Computer Engineering*
Chan, Colleen Chin Veon; Civil Engineering*
Duan, Ke; Metals Engineering
Farrell, Jennifer Heather; Music
Faulkner, Jason Paul; Psychology*
Harker, Christopher; Geography
Houglum, Brook Louise; English
Kennelly, Jacqueline Joan; Educational Studies*
Kolind, Shannon; Physics & Astronomy*
Kueck, Hendrik; Computer Science
Lam, Heidi Lap Mun; Computer Science*
Lantz, Trevor Charles; Forestry*

Marchinko, Kerry Brian; Zoology
Moffat, Lyndsay Elizabeth; Language & Literacy Education*
Muliawan, Edward Budi; Chemical & Biological Engineering*
Schnellert, Leyton Mark; Educational Studies*
Zhang, Yuanxiu; Economics

Renewal Scholars

Basso, Leonardo; Business
Elyasi, Siamak; Chemical & Biological Engineering
Gerhard, Gillian; Curriculum Studies*
Gingras, Jacqui; Curriculum & Instruction*
Haghshenas, Seyed Mehdi; Civil Engineering
Hansen, Ian; Psychology
Hunter, Darryl; Educational Studies*
Kolossova, Natalia; Botany
McLaren, Jennie; Botany
Sonik, Madeline; Curriculum & Instruction*
van Anders, Greg; Physics & Astronomy*
Wilson, Scott; Forestry*

Killam-Donald N. Byers Prize Winner

Kennelly, Jacqueline Joan; Educational Studies

Killam Postdoctoral Fellows

New Fellows

Al-Darbi, Muhannad; Materials Engineering*
Ben-Aroya, Shay; Microbiology*
Dodd, Michael; Psychology*
Haeussler, Sybille; Forest Sciences*
Hamilton, Geoff; English
Holliday, Alison Eileen; Chemistry*
Hollowell, Julia Jane; Anthropology & Sociology
Loren, Christina; Biomedical Research Centre*
Piper, Elizabeth; History*
Shen, Kyle; Physics & Astronomy*
Zarivach, Raz; Biochemistry & Molecular Biology*

Renewal Fellows

Agnarsson, Ingi; Botany & Zoology
Aharoni, Amir; Chemistry*
Blake, Christopher; Physics & Astronomy
Cheviakov, Alexei; Mathematics*
Franconeri, Steven; Psychology
Fuller, Syliva; Anthropology & Sociology*
Giordano, Daniele; Earth & Ocean Sciences
Norris, Ryan; Forestry*
Nyblade, Benjamin; Political Science
Mejía Acosta, Andrés; Political Science

Killam Faculty Research Fellows

Behrend, Kai; Mathematics
Friedman, Joel; Mathematics and Computer Science
Galea, Liisa Ann; Psychology
Kingstone, Alan; Psychology
Miltzer, Matthias; Metals & Materials Engineering
Murphy, Gail; Computer Science
Murphy, Michael; Microbiology & Immunology
Norton, Bonny; Language & Literacy Education

Killam Faculty Research Prize Winners

Griffin, Dale; Business
Metzer, David; Music
Newell, Dianne; History
Paré, Peter; Respiratory Medicine
Rankin, Catharine; Psychology
Raymond, Lynn; Psychiatry
Slade, Gordon; Mathematics
Vessey, Mark; English
Windsor-Liscome, Rhodri; Art History
Wang, Yu Tian; Medicine

Killam Award for Excellence in Mentoring Winners

Anderson, Joan; Nursing
McWhirther, George; Creative Writing

Killam Teaching Prize Winners

Andersen, Raymond; Chemistry and Earth & Ocean Sciences
Anderson, James; Language & Literacy Education
Anreil, Barbara; Political Science
Badir, Patricia; English
Barton, Richard; Biochemistry & Molecular Biology
Blom, Joost; Law
Boothroyd, Peter; Community & Regional Planning
Cairns, Brian; Pharmacology & Toxicology
Carter, Paul; Computer Science
Clark, Chris; Oral Health Sciences
Grace, John; Chemical & Biological Engineering
Guy, Robert; Forest Science
Jamieson, Janet; Education & Counseling Psychology, & Special Education
Kroeker, Jeff; Accounting
MacLean, Mark; Science One Program
McKenna, Janis; Physics & Astronomy
Rocheleau, Alan-Michel; French, Hispanic & Italian Studies
Ross, Becki; Anthropology & Sociology
Sicsic, Henri-Paul; Music
Taylor, Stephen; Architecture

Webber, Eric; Surgery
Weinberg, Joanne; Cellular & Physiological Sciences

University Killam Professors

Affleck, Ian; Physics & Astronomy
Dolphin, David; Chemistry
Evans, Robert George; Health Services & Policy Research
Hayden, Michael; Molecular Medicine & Therapeutics
Jones, David R.; Zoology

THE UNIVERSITY OF CALGARY

Killam Predoctoral Scholars

New Scholars

Bradshaw, Cathryn; Social Work*
Bye, Christine; History
Colella, Tracey; Nursing
Giles, W. Mark; English*
Gunter, Raymond; Clinical Psychology*
Keats, Melanie; Kinesiology*
Laird, Robert; Biological Sciences*
MacCallum, Justin; Biological Sciences*
MacLeod, Douglas; Environmental Design*
Melnik, Grigori; Computer Science
Popovic, Dijana; Electrical & Computer Engineering

Renewal Scholars

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

The Donald N. Byers Memorial Killam Prize Winner

Popovic, Dijana; Electrical & Computer Engineering

Killam Postdoctoral Fellows

Mahmoudkahn, Amir; Chemistry
Pickup, Mark; Political Science

Killam Visiting Scholars

Helliwell, John; Economics

Killam Resident Fellows

Barry, Donald; Political Science
Einsiedel, Edna; Communication & Culture
Farfan, Penelope; Drama/English
Frideres, James; Sociology
Joy, Morny; Religious Studies
Kraay, Hendrik; History
MacMillan, Kenneth; History
Martini, Clement; Drama
Moazzen-Ahmadi, Nasser; Physics & Astronomy
Nicholson, W. Keith; Mathematics & Statistics
Strzelczyk, Florentine; Germanic, Slavic & East Asian Studies
Vogel, Hans; Biological Sciences
Walls, W. David; Economics
Wanner, Richard; Sociology
Young, Kevin; Sociology

Killam Chairs

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

THE CANADA COUNCIL

KILLAM RESEARCH FELLOWS

New Fellows

Becke, Axel; Chemistry – Queen’s University
Bouchard, Denis; Linguistics – Université du Québec à Montréal
Brown, Virginia; Medieval Studies – University of Toronto
Burgess, Clifford; Physics – McGill University
Crespi, Bernard; Biological Sciences – Simon Fraser University
Dean, Kenneth; East Asian Studies – McGill University
Gerson, Carole; English Literature – Simon Fraser University

Renewal Fellows

Clowes, Ron; Earth & Ocean Sciences – University of British Columbia
Dunbabin, Katherine; Classics – McMaster University
Grace, Sherrill Elizabeth; Canadian Literature – University of British Columbia
Sherwood Lollar, Barbara; Geochemistry – University of Toronto
Sinclair, Anthony; Zoology – University of British Columbia
Thewalt, Mike; Physics – Simon Fraser University
Viola, Lynne; History – University of Toronto

Killam Prize Winners

Devroye, Luc (Engineering); Computer Science – McGill University
Hall, Brian K. (Natural Sciences); Zoology – Dalhousie University
Hutcheon, Linda (Humanities); Comparative Literature – University of Toronto
Lock, Margaret (Social Sciences); Anthropology – McGill University
Sonenberg, Nahum (Health Science); Biochemistry – McGill University

DALHOUSIE UNIVERSITY

Killam Predoctoral Scholars

New Scholars

Algar, Christopher; Oceanography
Bandstra, Nancy; Psychology*
Baxter, Elizabeth; Classics*
Beare, Nicole; English
Blanchard, Wade; Mathematics and Statistics*
Burr, Kathleen; International Development Studies*
Campagna-Slater, Valerie; Chemistry*
Chircop, Andrea; Nursing
Dewey, Sherma; Health & Human Performance*
Dore, Anna; History*
Dukewich, Kristie; Psychology*
Dyck, Christopher; Biomedical Engineering
Dyker, Adam; Chemistry*
Fortier, Hubert; Chemistry*
Gawryluk, Ryan; Biochemistry and Molecular Biology*
Gibbons, Meaghan; Civil and Resource Engineering*
Gradmann, Sofie; Earth Sciences*
Hanke, Felix; Physics and Atmospheric Science
Hartnell, Nicole; Interdisciplinary PhD*
Hochreiner, Hannes; Chemistry
Hug, Laura; Biochemistry and Molecular Biology*
Huybers, Sherry; Interdisciplinary PhD*
Jakubinek, Michael; Physics and Atmospheric Science*
Kayacik, Hilmi; Computer Science
Kean, Robert; Sociology & Social Anthropology*
Lewis, Kelley; English*
Macklem, Mason; Computer Science
Mazerolle, Erin; Psychology*
McEachern, Lori; Biology*
Newhook, Lesley; English*
Pelletier, Nathan; Resource and Environmental Studies*
Phillips, Heather; Chemistry*
Reddy, Tyler; Anatomy and Neurobiology*
Rockwell, Gregory; Chemistry*

Schwartz, Meredith; Philosophy*
Thornton, Paul; Chemistry*
Webster, Colin; Classics
Weir, Laura; Biology*

Renewal Scholars

Anderson, James; Philosophy*
Barresi, Tony; Earth Sciences*
Bassnett, Madeline; English*
Baum, Julia; Biology
Belluccini, Federica; Interdisciplinary PhD
Bonakdarpour, Arman; Physics and Atmospheric Science*
Bradbury, Ian; Biology
Carter, Michael; Chemistry
Cheraghi, Nader; Civil and Resource Engineering
Chevrier, Vincent; Physics and Atmospheric Science*
Chikowero, Moses; History
Collins, Andrea; English*
Drummond, Brie; Biology
Eaton, David; History*
Erdmann, Saskia; Earth Sciences
Fabian, Steven; History*
Finkler, Lilith; Interdisciplinary PhD*
Fleischauer, Michael; Physics & Atmospheric Science*
Goldwater-Adler, Samantha; Psychology
Gomez, Geraldine; Pharmacology*
Grant, Valerie; Psychology*
Gravel, Jeannine; Human Communication Disorders*
Hardie, David; Biology
Hu, Zhifei; Civil and Resource Engineering
Ings, Steven; Earth Sciences*
Ishigami, Yoko; Psychology
Jones, Eluned; English*
Kehler, Daniel; Biology*
Kelly, Noreen; Oceanography*
Kretz, Lisa; Philosophy*
Lipp, Judith; Interdisciplinary PhD*
Marshall, Susanne; English*
Moon, Erin; Psychology*
Mothana, Belquis; Chemistry*
Mustafiz, Shabbir; Civil and Resource Engineering
Ottaway, Paul; Mathematics & Statistics*
Owen, Corey; English*
Pearson, Jason; Chemistry*
Qi, Quifen; Interdisciplinary PhD
Rankin, Matthew; Chemistry*
Renault, Nisa; Pathology
Rodriguez Evora, Yan; Chemistry
Schulz, Tyler; Biology
Seavilleklein, Victoria; Philosophy*

Shahin, Khaled; Civil and Resource Engineering*
Sherratt, Marian; Sociology & Social Anthropology*
Sleno, Lekha; Chemistry*
Tougas, Jane; Computer Science*
Whalen, Tara; Computer Science*
Wilson, Garnett; Computer Science
Wood, Tabitha; Chemistry*
Woodman, Tessah; Health & Human Performance
Zhao, Liang; Chemistry

Killam Postdoctoral Fellows

New Fellows

Lee, Christopher; History
Liu, Geniva; Psychology
Lusseau, David; Zoology (Biology)
Warren, Clare; Earth Sciences
Zhaxybayeva, Olga; Biochemistry & Molecular Biology

Renewal Fellows

Baur, Steven; Music
Dalebout, Merel; Biology
Gonsalves, Joshua; English
Gophna, Uri; Microbiology and Immunology
Hervik, Sigbjorn; Mathematics & Statistics
Lawrence, Sean; English
Lukacs, Gabor; Mathematics & Statistics
Matta, Cherif; Chemistry

Faculty of Science Killam Professors

Beaumont, Chris; Oceanography
Brown, Richard; Psychology
Burnell, Jean; Chemistry
Chatt, Amares; Chemistry
Dunlap, Richard; Physics
Gibling, Martin; Earth Sciences
MacRae, Tom; Biology
McGrath, Patrick; Psychology
Phillips, Dennis; Psychology
Pincock, James; Chemistry
Scott, David; Earth Sciences
Stewart, Sherry; Psychology

Faculty of Science Killam Prize Winners

Stradiotto, Mark; Chemistry

Killam Chairs

Chen, David; Engineering
Islam, Rafiqul; Petroleum Engineering
Rosson, Philip; Management

MONTREAL NEUROLOGICAL INSTITUTE

Killam Scholars

Antel, Jack
Collins, Louis
Dagher, Alain
delMaestro, Rolando
Diksic, Mirko
McPherson, Peter
Nalbantoglu, Josephine
Owens, Trevor
Tomáš, Paus
Petrides, Michael
Ragsdale, David
Séguéla, Philippe
Sossin, Wayne

Killam Professor

Pike, Bruce

Dorothy J. Killam Professor

Milner, Brenda

Killam Chair

Karpati, George