

Les Fiducies
Killam
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Annual Lecture
2010



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**2010 Annual Report
of The Killam Trustees**

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, close to 6,000 scholarships and fellowships 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. Worth \$100,000 each they are as a group Canada's premier awards in these fields.

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 Québec fishing lodge.*

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

2010 Annual Report of the Killam Trustees



“There’s nothing new under the sun,” said Shakespeare. But with the greatest of deference, the great Bard of Avon got that one wrong. The Killam Trusts and all their comings and goings changed a lot during 2010, and mostly for the better.

We begin at the top. *Their Excellencies the Right Honourable David Johnston, Governor General of Canada and Sharon Johnston* hosted the Killam Prize awards at Rideau Hall on December 14. Needless to say the occasion was spectacular. The Official Residence in Ottawa was warm and inviting inside, in contrast to the crisp and cold weather outside, where a foot of snow covered the stately grounds of the seat of government in Canada. All very Christmassy, and quintessentially Canadian.

It is an honour to have His Excellency present the Killam Prizes. For these awards, administered by the Canada Council, are indeed the “jewel in the Crown” of the Killam Program across the country. Worth \$100,000 each, they are given annually to Canada’s leading scholars and researchers in Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities; as a group, they are Canada’s leading prizes in recognition of lifetime achievement by Canadian citizens in these five fields.

The Governor General himself is of course a leading Canadian scholar and academic leader. And, happily, he has strong Killam connections. As Principal of McGill he headed one of the six institutions that in the mid-1960’s received gifts from Dorothy Johnston Killam’s estate: the Montreal Neurological Institute at McGill; University of British Columbia; University of Alberta, University of Calgary; Dalhousie University; and of course the Canada Council. Then, in 1995, Dr. Johnston accepted the Trustees’ invitation to give the inaugural Killam Lecture, an annual series now in its 16th year. And finally, as President of the University of Waterloo, he has been closely associated with this year’s Killam Lecturer, *Mike Lazaridis*, Co-CEO of Research in Motion and one of the great benefactors of both Waterloo’s Institute for Quantum Computing and the Perimeter Institute for Theoretical Physics.

We are thrilled that His Excellency has agreed to preside at the presentation of the Killam Prizes throughout his tenure as Governor General.



Another signal national honour was accorded our Killam Prize Winners this year. The day before the Awards ceremony at Rideau Hall, the five eminent scholars were summoned to the Speaker's Gallery in the House of Commons, to be recognized by the *Hon. Peter Milliken*, and to receive the warm approbation of the whole House. Afterwards, Speaker Milliken invited the honourees and their guests to an intimate reception in his private chambers, there to meet and greet some 25 or 30 Senators and Members with a special interest in research.

In the past couple of decades Canada has come a long way in its support for research at our universities, and now ranks near the top among developed countries in terms of the percentage of GNP devoted to this crucial endeavour. We would like to think that the Killam Trusts have played a part in this transformation, by publicizing through our Killam Annual Lectures the vital need for advance societies to invest in research. For, in this increasingly globalized and competitive world of ours, only nations that are strong in the knowledge economy can hope to compete with up and coming countries like India, China, Brazil and the rest.



Dr. Indira Samarasekera, President of the University of Alberta, was named a "Nation Builder" in this year's Globe & Mail year-end honours list. Indira has laid down a clear marker: "20 in 2020". Translation: the U of A aims to be nothing less than one of the top 20 research universities in the world by 2020. Ambitious, yes; but we Trustees have little doubt that through Dr. Samarasekera's leadership it will make the mark. In the words of the Globe & Mail: "Under Ms. Samarasekera's leadership, the U of A has become a research powerhouse and built an enormous international profile. She hopes to make it a destination for top international students, who typically wouldn't consider coming to Alberta."



McGill is of course already one of the great research universities of the world. And in February of 2010 its Principal, *Dr. Heather Munroe-Blum*, presided over *Bravo!* – a marvellous event held in Montreal’s Old Port to celebrate the extraordinary contributions of some 25 McGill researchers and scientists over the preceding year. Among those singled out, in addition to two Nobel Prize winners, were four Killam researchers at McGill. These included three of the five 2009 Canada Council Killam Prize winners: *Dr. Phillippe Gros* (Health Sciences); *Dr. Wagdi G. Habaschi* (Engineering) and *Dr. François Ricard* (Humanities).

But once again the incomparable *Dr. Brenda Milner*, the Dorothy J. Killam Professor at the Montreal Neurological Institute, stole the show. At over 90 years of age, she had just won the prestigious International Balzan Prize for 2009, awarded for her work in cognitive neuroscience. The Trustees are glad to report that as of their visit in January, 2011, Brenda is still a star researcher and wonderful mentor to others at the Neuro.



Back to the theme of change: the University of Calgary has seen lots of it this year. *Dr. Harvey Weingarten*, left the University, having completed his term as President, and was succeeded by *Dr. Elizabeth Cannon*. Elizabeth, a native of Charlottetown, PEI, an engineer and a former Killam Scholar at the U of C, has taken as her mandate the task of strengthening the University’s already formidable position in research. To do this, she and the U of C will rely ever more heavily on the generosity of donors big and small, especially the notably civic-minded citizens of Calgary, Canada’s petroleum capital. We wish her well in her exciting new role, and likewise extend to Dr. Weingarten our best wishes in his future career.

Dr. Rose (“Rosie”) Goldstein, Vice President, Research at the U of C, also left last year. In her new position as Vice Principal, Research and International Relations at McGill – a fellow “Killam university” – we Trustees look forward to many future contacts with Rosie, and thank her warmly for her contribution to the U of C.



There has also been a significant change at Dalhousie. *Dr. Carolyn Watters* has been “elevated” to Vice President, Academic and Provost after many years of exceptional service as Dean of Graduate Studies.

We congratulate Carolyn, and look forward to many more years of continued collaboration with her on Killam affairs.



And finally, a word about UBC: *Professor Sherrill Grace* has been appointed University Killam Professor. How should we characterize this change in status? Perhaps “plus ça change, plus la même chose” comes close. For Professor Grace has been nothing less than a spectacular supporter of the Killam program, both at UBC and nationally, for decades, culminating in her receipt of the Canada Council Prize in Humanities in 2008. Now, as the recipient of yet another of the most prestigious awards available to the Canadian scholarly community, Sherrill continues her close association with the Killam Trusts – to the great satisfaction of the Trustees and all in the Killam community nationwide who have watched her career with growing admiration over the years.



The market values of the Killam Trusts continued to climb after a dismal 2008/9. In the year to March 31, 2010 they had increased some 13.0% after annual inflation of 1.4% and after annual spending of approximately 4.5%, including fund management and related expenses. And from March to November when the Trustees paid their annual Fall visits, they improved further. Still, market values are not yet up to their high water mark of some \$425 million; and accordingly the Trustees, working together with the universities and the Canada Council, continue to exercise caution in their stewardship of this, one of Canada’s greatest educational endowments.



Izaak Walton Killam, whose estate made possible the Canadian Killam Trusts, is also responsible for the little-known US Killam Trusts. Little known, that is, up to now; for this year these Trusts have entered into an arrangement with the Ottawa-based Canada-U.S. Foundation for Educational Exchange, which administers the Fulbright Scholarship program between Canada and the U.S. They will endow the Foundation with some \$8 million US to provide scholarships for students from specified Canadian universities who wish to spend a year at a US university, and also for students coming here from the US. Unlike the Canadian Killam awards – established under the Will of Killam’s wife, Dorothy Johnston Killam – which are for doctoral scholarships and post-doctoral fellowships, these “Killam-Fulbright Scholarships” are for undergraduates.

Interestingly, the US Killam Trusts were established under the Wills of *Constance Killam* and *Elizabeth Killam Rogers*, two of Izaak Walton Killam’s sisters who had emigrated from the “Killam family seat” of Yarmouth, Nova Scotia to Massachusetts in the early years of the 20th Century. In the early 1950’s Mr. Killam had given each of them a million dollars; and they in turn followed their brother’s lead by leaving the bulk of their estates to charity. We Canadian Killam Trustees warmly salute *John B. Newhall*, our counterpart Trustee, for guiding the US Killam Trusts in the direction of higher education, in their case for the benefit of students from both countries with which the Killam family has had a close association over the years.



Talking about Killam Scholars, one of the great joys of being a Trustee is the opportunity to meet each year’s new crop. We do this on the occasion of our annual Fall visits to the four Killam universities where pre-doctoral scholarships and post-doctoral fellowships are awarded: UBC, U of A, U of C and Dalhousie. For many years, each university has held a celebratory dinner in honour of their scholars. Last year, at all except the U of C, the format changed to a convocation-like celebration in the late afternoon, at which each Scholar and Fellow is brought forward and presented with his or her award. A reception follows.

The idea of the new format is to bring out more of the winners' faculty colleagues, friends and family members than is possible at an evening dinner. We are still in the "experimental" stage, and the Trustees together with the universities will continue to evaluate the new style of recognition event.



With sadness we report the death in Vancouver on April 15, 2010 of *Ralph Killam*, who at age 95 was one of the last of the Killam family members to have known personally our two extraordinary benefactors, Izaak Walton Killam and his wife Dorothy Johnston Killam. Ralph was one of the six nephews and nieces of Dorothy and Izaak (or "Walton," as he was known within the family) to receive income for life on a portion of the Killam estate. He was lively, quick-witted and financially astute, and always had a twinkle in his eye. He loved history and took a keen interest in the Killam family story. He leaves behind his daughters *Maud and Allison Amelia ("Mia")* and his brother *Frank Killam* (known as "Bill"); all live in Vancouver and all avidly support the Killam Program, particularly UBC's.



In the pages that follow, are brief descriptions of the Killam Programs at each of the six institutions supported by the Killams' largesse, and at the end of this Report are listed the names of all our Killam award winners for 2010. To each, the Killam Trustees offer hearty congratulations and warmest good wishes for success in your academic work and in the years ahead.



University of Alberta

As noted in last year's Report, the Killam Doctoral Scholarships at the U of A are awarded to the leading scholars on campus, just as they are at the other Killam universities. Although slightly greater than the Canada Graduate Scholarships in monetary terms, they remain somewhat behind a small group of other Canadian scholarships such as the Trudeau (\$40,000) and the Vanier (\$55,000). However, the U of A Faculty of Graduate Studies does not believe that this differential has the effect of knocking down the prestige of the Killams, which also possess one clear advantage over their granting council competitors: while the latter are only open to Canadian citizens, Killams are available to students of any nationality. Thus they are used by the U of A (and the other Killam institutions) to recruit top foreign students to come to Canada, who to Canada's great benefit often make Canada their permanent home after graduating.

In an effort to keep the Killams in the front rank, the U of A is planning to examine its selection procedures and change them if necessary. For example, the timing of the Killam selection process (it is not first of the big awards to be announced) may induce top students to accept another, perhaps lesser, award just to be sure they will have "something". The Trustees encourage all of the Killam universities to continually examine their selection processes, with a view to ensuring that wherever reasonably possible the Killam award holds pride of place.

In 2010 the U of A awarded 17 new Killam doctoral scholarships, nine to Canadian citizens and eight to foreign students on a Study Permit. Of the 17, seven are "Honourary Killam Scholars", a designation given to those who have received another major award, which the Killam Program then tops up to the Killam level. Eighteen Killam Scholars elected in 2009 (including 11 Honourary) have had their scholarships renewed for a second year.

Four Killam Post-Doctoral Fellowships were awarded, one to a Canadian and three to citizens of other countries (the USA, Estonia and China); they join five Fellows whose award was renewed for a second year (three Canadians, an American and a Japanese).

The U of A has a well-developed program to recognize up to eight outstanding professors each year, by naming them "Killam Annual Professors". The recipients' salaries are paid from the Killam Salary Fund, one of four Killam endowments held by the U of A (the others being the Scholarship Fund, the

Chairs' Fund and the General Endowment Fund). This year, five professors were selected; their names (and those of all 2010 Killam award winners) are listed at the end of this Report.

The U of A provides other Killam awards:

Dorothy J. Killam Memorial Graduate Prize: This award is given to the outstanding Killam Scholarship winner in each of the four categories: Engineering, Math and Physical Science; Life and Health Sciences; Social Sciences, Humanities and Fine Arts; and Education, Physical Education and Professional Programs. The Prize is worth \$2,500.

Dorothy J. Killam Memorial Post-Doctoral Fellow Prize: This \$2,500 award is presented to the leading Post-Doctoral Fellow, based on academic achievement, research proposal, publications, letters of recommendation and leadership qualities.

Killam Award for Excellence in Mentoring: This is an award of \$5,000, given to a professor who has demonstrated outstanding performance in mentoring graduate students, post-graduate fellows, visiting research scholars and summer research students.

The U of A also supports two Killam Memorial Chairs in Scientific and/or Engineering fields. Selections are made by the Killam Memorial Chairs Committee, headed by the Vice President (Research) and including the Provost and Vice President (Academic), the Vice Provost and Dean of the Faculty of Graduate Studies and Research, and three representative Faculty members. The current Memorial Chairs are *Dr. Valeri P. Frolov* of the Department of Physics and *Dr. David W. Schindler*, Department of Biological Sciences.



The Canada Council For The Arts

As we observed at the beginning of this Report, the Trustees are delighted that our new Governor General, His Excellency David Johnston, has agreed to present the five Killam Prizes at Rideau Hall during each year of his term as Governor General.

The Prize winners for 2010 were:

Dr. R. Mark Henkelman, University of Toronto: Dr. Henkelman is using state-of-the-art digital imaging technologies to research human diseases. This is just the latest endeavour by this groundbreaking Canadian scientist in the field of Magnetic Resonance Imaging (MRI). After introducing Canada's first MRI equipment to the Ontario Cancer Institute in the early 1980's, Dr. Henkelman shifted his focus to the application of modern imaging technology to the diagnoses of cancer and other diseases, including spearheading the development of real-time MRI for use in neurosurgery.

Dr. Arthur McDonald, Queen's University, Natural Sciences: Dr. McDonald's achievements in the areas of nuclear and particular physics has spanned more than four decades. For the past 20 years, he has been the Scientific and Operational Leader of the Sudbury Neutrino Observatory (SNO) Project, a major experiment which has provided revolutionary insight into the properties of neutrinos and energy generation in the sun's core. Now the Gordon and Patricia Gray Chair in Particular Astrophysics at Queen's University in Kingston, Ontario, Dr. McDonald (a native of Sydney, Nova Scotia) began his illustrious career as an undergraduate and Masters student at Dalhousie University, where he met and talked to Mrs. Killam as she toured the Physics labs to learn first hand about the students who were to be helped by her gifts. He then went on to earn his PhD from the California Institute of Technology.

Dr. Ming Li, University of Waterloo, Engineering: Dr. Li is one of a handful of internationally acclaimed computer scientists whose research has had major impacts outside his own discipline. His work is now finding new applications in computer science, bioinformatics, philosophy, physics and statistics. Dr. Li is Canada Research Chair in Bioinformatics at the University of Waterloo and currently serves as co-managing editor of the Journal of Bioinformatics and Computational Biology.

Professor Ellen Bialystok, York University, Social Sciences: Professor Bialystok, of the Department of Psychology has changed how we think about language acquisition and literacy, how we teach literacy, and our understanding of the cognitive processes that anchor our learning of a second language.

Dr. James Tully, University of Victoria, Humanities: Professor Tully is one of the foremost political theorists of our age and has made substantial contributions to scholarly research that have been illuminating and influential. Made a Fellow of the Royal Society of Canada in 2000, he is a professor of political science, law, indigenous governance and philosophy at the University of Victoria.

The Canada Council's Killam Prize program has the highest profile of all the Killam awards. The Council also awards the highly sought after Killam Research Fellowships to eminent professors from across Canada who, in mid-career, seek two years of release time from teaching and administrative duties, in order to conduct a piece of research, write a book, or carry out some other piece of academic work requiring a lengthy period of concentration. This year, eight leading scholars were selected, joining nine Fellows whose 2009 appointments were renewed for a second year. Their work covers the full range of academic endeavour, from the design and discovery of a curative drug of Alzheimer's Disease (*Dr. Don Weaver of Dalhousie*), to anthologies for Cree and Inuit dictionaries (*Dr. Marie-Odile Junker of Carlton University*), to *Cities in Translation: Calcutta, Trieste, Barcelona 1850 to 2000* (*Dr. Sherry Zeiman, Concordia*). The full list of KRF winners is shown at the end of this Report.



Montreal Neurological Institute of McGill University

The MNI holds two Killam funds of roughly equal value. They are administered by the McGill Investment Pool (“MIP”), with general oversight (as is the case with all of the Killam institutions) by the Killam Trustees. McGill, like so many other organizations – not to say individuals – suffered large financial reverses as a result of the 2008/09 worldwide recession, but (as is the case with the other Killam institutions) the MIP is slowly coming back, though not yet up to its previous high.

The income on the Killam portion of the MIP goes to support 13 researchers and clinicians at the world-renowned Montreal Neurological Institute; these scientists also received, during 2010, \$621,384 in extramural salary support, and \$5,102,319 in extramural research support. The major funding agencies continue to be the Canadian Institute of Health Research and Fonds de la Recherche en Santé du Québec. The Trustees are especially pleased to note that these extraordinarily high levels of external support simply underscore the high regard in which the Neuro’s Killam Award winners are held by the rest of the academic world.

The MNI conducts weekly research seminars in neuroscience, with 31 internationally recognized scientists and clinicians from across North America and Europe being hosted in 2010. The Institute also awards an annual Killam Prize for the best neuroscience research presentation by a researcher clinical trainee; the 2010 winner is *Dr. Pershia Samada*, a Postdoctoral Fellow.

To give an idea of the scope of the research in clinical work conducted at the Neuro, we select just three Fellows:

Amit Bar-Or, MDCM, FRCPC, has been Associate Professor in McGill’s Department of Neurology and Neurosurgery since 2006. He is also Director of the Experimental Therapeutics Program at the MNI, and Scientific Director of its Clinical Research Unit. Dr. Bar-Or is a staff neurologist at the McGill University Hospital Centre, where he has particular duties at the MNI’s Multiple Sclerosis Clinic. As part of the MNI’s Neuroimmunology Unit, his research laboratory investigates cellular and molecular aspects of the immune regulation and neuro-immune interactions, especially as they relate to multiple sclerosis and the mechanisms of action of experimental therapies. In 2009, Dr. Bar-Or was honoured with the Quebec Foundation of Stars Investigator Award for

Pediatric Research, and in 2010 with the Accelerated Cure Project's Physician of Distinction Award. He was also named the Stanley Watermann Lecturer at the New England NMSS Annual Meeting. Dr. Bar-Or further presented his findings in 2009-2010 at more than a dozen international conferences including in the United States, South America, Europe and Asia. In 2010, he was named to the Scientific Advisory Board of the German National Neuroimmunology 'Competenz Network', one of several scientific boards or organization committees on which he sits. In addition to the Killam Trusts, his work is supported by the Multiple Sclerosis Society of Canada, the Canadian Institutes of Health Research and the National Institutes of Health. In 2009-2010, Dr. Bar-Or contributed to over 20 scientific papers.

Leslie Fellows, MDCM, DPhil, is a former Rhodes Scholar who was appointed Associate Professor in McGill University's Department of Neurology and Neurosurgery in 2009, and in September 2010 she was named Interim Chair of the Department. She serves as a staff neurologist at the Montreal Neurological Hospital and at its partner hospitals of the McGill University Health Centre. Dr. Fellows' clinical and research focus is on cognitive problems linked to behaviour, particularly on the mechanisms in the brain that underlie decision making. Her wide-ranging research methods include tracing patients' neurochemical systems. She created and directs the McGill Cognitive Neuroscience Research Registry, a database of patients with focal brain injuries. Her research has valuable applications in understanding drug addiction and other problems of self-control, including unhealthy eating choices. Her work is being applied to provide new perspectives on the mechanisms underlying cognitive impairments in MS, HIV and stroke. As an expert on disordered self-control, Dr. Fellows is regularly interviewed in mass media outlets. She also presented her insights in 2009-2010 at nine scientific meetings in Canada and the United States. In 2009, she was elected to membership in the American Neurological Association. Dr. Fellows' work is supported by the Canadian Institutes of Health Research, the NIH (NIDA), the U.S. National Science Foundation and by a joint grant from Industry Canada's Centre of Excellence in Commercialization and Research. In 2009-2010, she contributed to five scientific papers and wrote three book chapters.

Robert Zatorre, PhD, is Professor in McGill University's Department of Neurology and Neurosurgery, and an associate member of the Department of Psychology. He is also an adjunct member of McGill University's Schulich School of Music, where he co-directs the International Laboratory for Brain

Music and Sound Research (BRAMS), which he helped to found as a joint venture between McGill University and the Université de Montréal. Dr. Zatorre holds a James McGill Chair awarded to full professors recognized as leaders in their field. Dr. Zatorre used brain-imaging techniques to study how the brain processes speech and music. His wide-ranging publications have illuminated the neural mechanisms underlying bilingualism, sign language, absolute pitch and the emotional reactions to music. One of his latest projects undertakes to show the anatomy of the brain of musicians and the blind. In addition to the Killam Foundation, his research is supported by the Canadian Institutes of Health Research and the Natural Sciences and Engineering Research Council. In 2009-2010, Dr. Zatorre was an invited speaker at 10 scientific conferences in Canada, the United States, Britain and Italy. During the same period, he contributed to 16 scientific papers. He is among the researchers at McGill University who are most cited in the mass media. Dr. Zatorre and his laboratory were featured in a 2009 documentary on music produced by the American television network, PBS.

As noted earlier in this Report, *Dr. Brenda Milner*, the Dorothy J. Killam Professor at the MNI, continues to be a leading mentor to her younger confrères at the Neuro, in addition to carrying on her own world-leading research.

We close with a special word of deep gratitude for the work of the MNI's Director, *Dr. David Colman*. Since his arrival in Montreal in 2002, David has provided the superb leadership that has allowed the Institute to retain and even advance its position as a world leader in both the research and the clinical aspects of the neurosciences. Thank you David!



Please give us your news!

Up-to-date information regarding your academic history will help us to statistically track your progress and be followed. Future years will see us moving towards an exclusively electronic format; to ensure you are included, please note by noting it in the correct space below. Hard copies will always be available by special request. You can submit it by return mail, by email to administrator@killamtrusts.ca, or by fax through the Winners Area of the Killam website at www.killamtrusts.ca.

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ADDRESS (please include e-mail):

We are holding the 2011 Killam Annual Lecture in Vancouver on Thursday, November 3, 2011. Please check the appropriate box if you would like to receive an invitation.

Interested in receiving an invitation for

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Please return this form to: The Killam Trusts, Room 202, Henry

ack Killam scholars to ensure that the wishes set forth in Mrs. Killam's will are being
continue receiving our bulletins, please ensure we have your current e-mail address
request if you contact the Administrative Officer. Once you've filled out this form
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r 3, 2011. Our Lecturer will be announced shortly.

NO

Hicks Building, 6299 South Street, Halifax, NS B3H 4H6

The University of Calgary

We reported last year that by the time Killam Trustees had paid their annual Fall visit to the U of C, the market value of the University's Killam Trusts had perked up considerably from their nadir at the height of the recent worldwide recession. This year there has been further progress, and with its newly-adopted payout rate of 4% effective April 1, 2010, the Trustees are hopeful that the U of C's Killam funds (like those at the other Killam institutions) are now on track to maintain, and perhaps even increase, their market value after inflation in future years.

In last year's Report, four new Killam awards programs at the University of Calgary were announced, and we are glad to say that these are now "up and running".

As for the mainstay programs, we have 15 new Killam Scholars, of which a truly impressive 13 are Honourary Scholars, having received external awards which are then topped up to the Killam level. They join eight returning Doctoral Scholars, six of whom are Honourary.

The University received 18 applications for its single Killam Post-Doctoral Fellowship, and selected *Dr. Campbell Rolian* whose Fellowship took effect on September 1, 2010.

Dr. Nigel Shrive continues as one of the U of C's two eminent Killam Chair Holders. Dr. Shrive is a professor in the Department of Civil Engineering and also in the Faculty of Kinesiology. In addition he is adjunct professor in the Department of Surgery in the Faculty of Medicine. A graduate of Oxford, he has built a career at the U of C in applying the principles of structural mechanics to both masonry and biological structures. He is the youngest person appointed to full professor in the Faculty of Engineering.

Dr. Roy Gravel has been a Killam Memorial Chair Holder at the U of C since 1999. He holds an appointment both in the Faculty of Medicine, Department of Cell Biology and Anatomy, as well in the Department of Biochemistry and Molecular Biology, and in the Faculty of Kinesiology. His research area is Inborn Errors of Metabolism, including Tay-Sachs Disease, a fatal genetic disorder in children causing progressive destruction of the central nervous system. He is leading the development of a program in Nutrition, Genetics and Performance in the Faculties of Medicine and Kinesiology.



The University of British Columbia

UBC has three Killam funds: Killam Scholarship Fund (supporting both Doctoral Scholars and Postdoctoral Fellows), the Killam Salary Fund and the Killam General Endowment Fund; unlike the other universities, there is no Killam Chairs' Fund at UBC. Income on the Salary Fund, as the name implies, is allotted to the salaries of full-time professors, while income on the General Endowment Fund can be spent for any purpose. The centrepiece of course is the Scholarship Fund, as is true for each of the other Killam institutions.

Killam recipients are honoured at a variety of events throughout the year. For example, at the UBC Spring Convocation ceremonies, the \$5,000 Killam Prize for Graduate Studies is announced. This year's recipient, *Dr. Bronwen Wilson* of the Department of Art History and Visual Art Theory was the winner. At the Fall Convocation, winners of the Killam award for Excellence in Mentoring (one in the senior category and one in the mid-career category) are awarded to Faculty members who have shown a proven ability to offer superior guidance, feedback and support. This award is also valued at \$5,000.

UBC also awards Killam Faculty Research Fellowships – 10 each year, to the value of \$15,000 per year to Faculty members on a UBC-approved study leave, plus a travel and research grant of \$3,000. Preference is given to junior Faculty.

The UBC Killam Research Prizes, five in the Humanities and Social Sciences and five in the Natural, Applied and Health Sciences are also awarded, at \$5,000 each.

But, as noted above, the main Killam Program at UBC (as elsewhere) is the scholarship program. There were 11 new Doctoral Scholars this year, with 18 second-year renewals; many of these were Honourary Killams, having received major awards from other granting agencies (seven among the new Scholars, and 10 among the renewal Scholars).

The Killam Post-Doctoral Research Fellowships are awarded to distinguished scholars from around the world who have completed their Doctoral degrees within the last two years at a university other than UBC. Unfortunately, the financial exigencies of the last two years have led to no new Fellows being selected in 2010, but the program is scheduled to be renewed in 2011. The Fellows initially appointed in 2009 will however continue to be funded in 2010, for a second year; there are five of these.

UBC has recently inaugurated a *Killam Conversation*, this year held on March 8 as part of Celebrate Research Week at UBC. It takes place at UBC's Robson Square campus in downtown Vancouver, is open to the public, and is designed to demonstrate the relevance of research to the issues that confront the world today. The Robert Wyman UBC/Killam Annual Lecture, inaugurated in 2007 in memory of our esteemed former Trustee, *W. Robert Wyman*, is now given at the *Killam Conversation*.

As with all the other Killam institutions, the names of all of the UBC Killam winners are given at the end of this report.



Dalhousie University

Dalhousie is perhaps unique among Canadian universities in its mix of students. Some 55% of all Dalhousie students come from out of the Province of Nova Scotia and indeed the University has more applicants from Alberta and British Columbia than from the other three Atlantic Provinces (New Brunswick, Prince Edward Island and Newfoundland and Labrador). The number of international students has recently increased by as much as 29%. Finally, over a third of the total student population is enrolled in either a graduate degree or a professional degree program – a considerably higher percentage than in most, if not all, other Canadian universities.

Dalhousie is thus in some sense a “national” university, and as such there is no doubt that the Killam endowments are vital to its success. To begin with, Dalhousie has the “lion’s share” of the Killam endowments across the country, as the only beneficiary of five separate Killam funds (Killam Scholarship Fund, Killam Salary Fund, Killam Chair’s Fund, Killam General Endowment Fund and the so-called “Anonymous Donor’s Fund”, given to Dalhousie by Mrs. Killam during her lifetime as a way to “test drive” her scholarship ideas). As the Killam Scholarship and “Anonymous Donor’s” Funds are both devoted to graduate scholarships and post-doctoral fellowships, they are crucially important in a university with such a high proportion of graduate students. Another statistic that will illustrate the importance of the Killam graduate/post-graduate endowment: while Dalhousie with 16,800 students ranks 26th among Canadian universities in size, it ranks eighth in the importance of its graduate programs.

Like the other Killam institutions, the market values of its Killam endowments are rapidly coming back. Although not yet approaching their pre-recession values, the University did experience a solid 21.4% return for the year ended March 31, 2010.

Dalhousie elected only 16 new Killam Scholars at the Pre-Doctoral (Masters) and Doctoral (PhD) levels, a lower figure than any in recent times. This was a direct result of the reduction in funds available, due to the recent worldwide financial retreat. They join 54 scholars whose programs have been extended for a second or third year. Of special note is the fact that, of the 70 Killam Scholars on stipend, 30 were successful in obtaining major external awards, demonstrating the very high quality of Dalhousie’s Killam Scholarship recipients. It is hoped that the number of scholars elected in future years will grow along with the market value of Dalhousie’s Killam Scholarship Fund.

Two new Killam Post-Doctoral Fellowships were awarded this year: one to *Dr. Sam Veres*, a biomedical engineering from the University of Auckland, whose research topic looks at how fatigue disrupts heart valves. The other is *Richard Oppong*, a law graduate from UBC, who is examining private international law in Commonwealth Africa. These Fellows join five continuing Killam Post-Doctoral Fellows elected in previous years.

Dalhousie continued to support five Killam Chair holders in 2010, although the terms of two of them, *Dr. Zhizhang (David) Chen* (Electrical and Computer Engineering) and *Dr. John Cullen* (Oceanography) came to an end during the year without new Chairholders being appointed to take their place. *Dr. Evangelos Milios* (Computer Science), *Dr. Axel Becke* (Chemistry) and *Dr. Martin Alda* (Mood Disorders) continue as Killam Chairs at Dalhousie.

Dr. Becke holds the astonishing record of having published the first and third most-cited papers in the chemical literature worldwide. His total career citations for all his papers as of August 28, 2010 number 62,300, and are increasing at the rate of 6,500 per year!

Dalhousie offers Faculty of Science Killam Prizes to eminent Professors at the University. The recipients of the 2010 Faculty of Science Killam Prizes are *Dr. Randall Martin*, Physics and Atmospheric Science, and *Dr. Alastair Simpson*, Biology. In addition, seven Faculty members hold Faculty of Science Killam Professorships, which recognize the scientific contributions of the Faculty's most outstanding scientists. These Professorships can be held for a five-year term.

As is the case with the other Killam institutions, the names of all of Dalhousie's Killam award winners are listed at the end of this Report.





In closing, the Killam Trustees extend to the whole “Killam family of Scholars” all good wishes for 2011.

John H. Matthews, LLD

M. Ann McCaig, CM, AOE, LLD, *Chancellor Emeritus, The University of Calgary*

George T.H. Cooper, CM, QC, LLD, *Managing Trustee*

John S. Montalbano, CFA

The Trustees of the Killam Trusts

Halifax, Nova Scotia

November, 2010



L-R: Mr. George T. H. Cooper, CM, QC, LLD, Mr. John H. Matthews, LLD, Mrs. M Ann McCaig, CM, AOE, LLD, and John S. Montalbano, CFA.

Killam Award Winners 2010
Listed by Institution

UNIVERSITY OF ALBERTA

Killam Doctoral Scholars

New Scholars

Annett, Michelle; Computing Science*
Duran, Sandra; Earth and Atmospheric Sciences
Fedor, Justin; Biochemistry
Friedland, Hadley; Law*
Friesen, Lori; Elementary Education*
Friesen, Sandra; Music*
Garcia Zarranz, Libe; English and Film Studies*
Guillette, Lauren; Psychology
Hurst, Kathleen; Laboratory Medicine and Pathology
Jensen, Britta; Earth and Atmospheric Sciences
Knight, Camilla; Physical Education and Recreation
Liu, Derek; Oncology*
McIntosh, Anne; Renewable Resources
Melentyeva, Mariya; History and Classics
Miwa, Koji; Linguistics
Mizianty, Marcin; Electrical and Computer Engineering
Stralberg, Diana; Biological Sciences*

Renewal Scholars

Aktary, Zackie Mohamed; Cell Biology
Alam, Md Noor E-; Mechanical Engineering
Boers, Nicholas; Computing Science
Fujihara, Toshiyuki; Physical Education and Recreation
Goble, Erika; Secondary Education*
Hamdon, Evelyn; Educational Policy Studies*
Ivashkiv, Roman; Modern Languages & Cultural Studies
Kmita, Catherine; Anthropology*
Lefsrud, Lianne; Business*

** 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.*

Moghimi, Hassan; Civil and Environmental Engineering*
Omar, Mohamed; Pharmacology*
Oriola, Temitope; Sociology
Otiono, Nduka; English and Film Studies
Reiswich-Dapp, Viktoria; Music*
Rooney, Rebecca; Biological Sciences*
Shen, Rui; Computing Science*
Sun, Miao; Elementary Education*
Thomas, Michael; Electrical and Computer Engineering*

Dorothy J. Killam Memorial Graduate Prize

Garcia Zarranz, Libe; English and Film Studies
Jensen, Britta; Earth and Atmospheric Sciences
Knight, Camilla; Physical Education and Recreation
Stralberg, Diana; Biological Sciences

Killam Postdoctoral Fellows

New Fellows

Ronyak, Jennifer; Music
Sirkel, Riin; Philosophy
Swanson, Heidi; Biological Sciences
Xiao, Feng; Electrical and Computer Engineering

Renewal Fellows

Amsel, Aaron; Physics
Ickert, Ryan; Earth & Atmospheric Sciences
James, Patrick; Biological Sciences
Karst, Justine; Biological Sciences
Sunahori, Fumie; Chemistry

Dorothy J. Killam Memorial Postdoctoral Fellow Prize

Xiao, Feng; Electrical and Computer Engineering

Killam Annual Professors

Johnson, Jeffrey; Public Health Sciences

Jones, Brian; Earth and Atmospheric Sciences

Parrila, Rauno; Educational Psychology

Sutherland, Bruce; Physics and Earth and Atmospheric Sciences

Tellambura, Chinthananda; Electrical and Computer Engineering

Young, James; Physiology

Killam Chairs

Frolov, Valeri; Physics

Schindler, David; Biological Sciences

Killam Award for Excellence in Mentoring

Boutin, Stanley; Biological Sciences

THE UNIVERSITY OF BRITISH COLUMBIA

Killam Doctoral Fellows

New Scholars

Calvert, Aubin; Political Science*

Castellanos Hurtado, Valeria; Integrated Studies in Land and Food Systems

Coleman, Jonathan; Biochemistry*

Diaz Meneses, Juan Diego; Ethnomusicology*

Islam, Toufiqul, Electrical & Computer Engineering

Kendall, Chad; Economics*

Khademolhosseini, Farzad; Mechanical Engineering

Lim, Diana; Neuroscience*

Mohammadi Sahrani, Ehsan; Materials Engineering*

Murphy, James; Resource Management and Environmental Studies

Pena, Olga; Microbiology and Immunology*

Renewal Scholars

Al Kiswany, Samer; Electrical and Computer Engineering

Baker, Liv; Animal Science

Berndt, Anthony; Cell and Developmental Biology*

Blois, Cindy; Mathematics*

Crane, Angela; Chemistry*

Davis, Emily Jane; Geography

Ettenauer, Stephen; Physics and Astronomy*

Findlater, Kieran; Resource Management and Environmental Studies*

Gerstein, Aleeza; Zoology

Hua, Lei; Statistics*

Kneeland, Terri; Economics*

Lauck, Sandra; Nursing*

Lauzon, Jean Michel; Chemistry*

Mahsuli, Mojtaba; Civil Engineering

Schreier, Hannah; Psychology*

Szakay, Anita; Linguistics

Timmins, Lori; Economics*

Van Vorst, Daryl; Electrical and Engineering*

Killam – Donald N. Byers Prize

Islam, Toufique; Electrical and Computer Engineering

Killam Postdoctoral Research Fellows

Renewal Fellows

Hewitt, Ian; Mathematics

Luehrmann, Sonja; Anthropology and Sociology

Michalopoulos, Diomidis; Electrical and Computer Engineering

Rowe, Heather; Botany

Sarfraz, Rana; Land and Food Systems

Killam Faculty Research Fellows

Abu Gharbieh, Rafeef; Engineering

Chang, Stephanie; IDS

Feng, James; Engineering

Grayston, Susan; Forest Sciences

Herrington, Susan; Architecture

Jetter, Reinhard; Botany

Richards, Jeffrey; Zoology

Shulte, Patricia; Zoology

Soma, Kiran; Psychology

Wang, Z. Jane; Engineering

Killam Faculty Research Prizes

Bhargava, Vijay; Engineering

Burt, Helen; Pharmaceutical Sciences

Cooper, John; English

Damascelli, Andrea; Physics

Floresco, Stan; Psychology

Henrich, Joseph; Psychology

Murphy, Tim; Psychiatry

Wang, Tan; Business

Killam Awards for Excellence in Mentoring

2009 Fall competition

Grace, John; Engineering

2010 Fall Competition

Alfantazi, Akram; Materials Engineering

Hancock, Robert; Microbiology and Immunology

Schluter, Dolph; Zoology

Killam Teaching Prize

Aitken, Sally; Forest Sciences

Bomke, Art; Land and Food Systems

Booker, Courtney; History

Burton-Jones, Andrew; Management Information Systems

Chau, Rebecca; Asian Studies

Cunliffe, Emma; Law

Donnelly, Martha; Family Practice and Psychiatry

Eaton, Brett; Geography

Ebbehoj, Catherine; Nursing

Fernlund, Göran; Materials Engineering

Friedman, Jan; Medical Genetics

Gin, Kenneth; Medicine

Hermiston, Nancy; Music

Janssen, Patricia; Population and Public Health

Karlström, Lena; Central, Eastern and Northern European Studies

Nomme, Kathy; Botany and Zoology

O'Neill, Angela; Zoology

Ostafichuk, Peter; Mechanical Engineering

Perry, Nancy; Educational and Counselling Psychology and Special Education

Rogers, Theresa; Language and Literacy Education

Stewart, Jackie; Chemistry

Stewart, Janice; English and Women's and Gender Studies

Steyn Douw; Earth and Ocean Sciences

Voll, Kimberly; Computer Science

Wilson, Bronwen; Visual Art and Theory

THE UNIVERSITY OF CALGARY

Killam Doctoral Scholars

New Scholars

Anderson, Dustin; Neuroscience*
Bourdage, Joshua; Psychology*
Gossen, Cecilia; Interdisciplinary
Hargreaves, Ian; Psychology*
Hung, Johanna; Neuroscience*
Hydomako, Richard; Physics and Astronomy*
Lowan, Gregory; Education*
MacDonnell, Rhiannon; Business*
Mortimer, Leanne; Microbiology*
Moser, Joanna; Medicine*
Murphy-Oikenen, Jodie; Social Work
Snow, Andrew; Political Science*
Sterniczuk, Roxanne; Psychology*
Thille, Patricia; Sociology*
Whitsitt, Elizabeth; Law*

Renewal Scholars

Bennett, Drew; Biological Sciences*
Jamal, Aamir; Social Work
Maddin, Hillary; Biological Science*
Manske, Sarah, Biomedical Engineering*
Payette, Gillman; Philosophy*
Reid, Aylin; Medicine: Neuroscience*
Rifaat, Shakil; Engineering: Civil
Smith; Victoria, Psychology*

Killam Postdoctoral Fellows

New Scholars

Rolian, Campbell; Medicine
The Donald N. Byers Memorial Killam Prize
MacDonnell, Rhiannon; Business*

Killam Visiting Scholars

Hoffmann, Marie-Claude; Veterinary Medicine
Killam Research and Teaching Awards

Award for Leadership in Teaching

Jeje, Ayodeji; Engineering

Innovation in Teaching Award

Bodor, Ralph; Social Work

Emerging Research Leader Award

Steel, Piers; Business

Research Leader Award

Cairncross, J. Gregory; Neuroscience

Interdisciplinary Research Prize

Frank, Cyril; Medicine
Shrive, Nigel; Engineering
Killam Chairs
Gravel, Roy; Medicine & Kinesiology
Shrive, Nigel; Civil Engineering

THE CANADA COUNCIL FOR THE ARTS

Killam Research Fellows

New Fellows

Jessop, Philip; Chemistry – Queen's University
Kumacheva, Eugéniá; Chemistry – University of Toronto
Murphy, Brendan; Earth Sciences – St. Francis Xavier University
Kschischang, Frank; Engineering – University of Toronto
Mandelis, Andreas; Engineering – University of Toronto
Junker, Marie-Odile; Linguistics – Carleton University
Weaver, Donald; Medicine – Dalhousie University
Kaspi, Victoria; Physics, Space Science – McGill University

Renewal Fellows

Brandenberger, Robert; Physics, Space Science – McGill University
Craig, Walter; Mathematics – McMaster University
Grier, James; Music – University of Western Ontario
Herzog, Walter; Biology – University of Calgary
Sauer, Elizabeth; History, Literature – Brock University
Simon, Sherry; Language, Translation – Concordia University
Stephan, Douglas; Chemistry - University of Toronto
Strynadka, Natalie; Biology – University of British Columbia
Thomson, David; Computer Science, Space Physics – Queen's University

Killam Prize

Bialystok, Ellen; Social Sciences – York University
Henkelman, R. Mark; Health Sciences – University of Toronto
Li, Ming; Engineering – University of Waterloo
McDonald, Arthur; Natural Sciences – Queen's University
Tully, James; Humanities – University of Victoria

DALHOUSIE UNIVERSITY

Killam Masters and Doctoral Scholars

New Scholars

Banks, Aaron; Biochemistry
Brown, Aidan; Physics
Chiykowski, Peter; English
Connon, Emma; Math
Cowper-Smith; Christopher; Psychology
Duchesne, Paul; Chemistry
Gillies; Kelsie; Pharmacology
Liu, Jean; Pharmacology
Mackinnon, Sean; Psychology
Manson, Benjamin; Classics
Morgan, Erin; Chemistry
Samarawickrema, Nethra; Sociology
Smith, Aaron; Physics
Stevens, Tynan; Physics
Whitney, Emma; Classics
Yang, Ziyang; French

Renewal Scholars

Adlam, Caroline; Math
Adsett, Constance; Computer Science
Boates, Brian; Physics*
Burger, Erika; IDS
Burks, Marlo; Languages & Literature: German
Chira, Sinziana; Sociology
Conrad, Janet; Biomedical Engineering
Dohoo, Carolyn; Health Sciences*
Fawcett, Jonathan; Psychology
Filliter, Jillian; Psychology
Garant, Katy; Microbiology
Gawryluk, Ryan; Biochemistry
Gero, Shane; Biology
Goossen, Jonathan; English
Goreham, Vince; Engineering
Gridley, Danielle; English*

Harbin, Ami; Philosophy
Hesp, Kevin; Chemistry
Hoefel, Andrew; Math
Hutka, Adam; English
Kellett, Dawn; Earth Sciences
Kelly, Jennifer; Biology
Klages, Peter; Physics
Lawrence, Michael; Psychology
Lee, Benjamin; Classics
Lundgren, Rylan; Chemistry
Marx, Vanessa; Chemistry
Mazerolle, Erin; Psychology
McArthur, Mark; Physics*
McDonough, David; Political Science
McKay, Neil; Math
McQuaid, Mary; Biochemistry*
Muaror-Wilson, Jieni; IDS
Noel, Melanie; Psychology
Parks, Donovan; Computer Science
Patterson, Steven; Physics
Pavlovski, Mark; Mathematics*
Pelletier, Nathaniel, IDS
Petter, Mark; Psychology*
Pinder, Jordan; Biochemistry
Quinlan, Chelsea; Pshychology*
Reddy, Tyler; Biochemistry*
Regan, Charlene; History*
Rioux, James; Physics*
Rodd, Mary; English
Smith, David; Biology
Stairs, Courtney; Biochemistry*
Stanley, David; Environmental Science
Van Donkelaar, Aaron; Physics
Van Hengstum, Peter; Earth Sciences *
Vautour, Bart; English
Watson, Barry; Economics*
Wilson, Jeffrey; IDS
Zemlak, Tyler; Biology

Killam Postdoctoral Fellows

New Fellows

Opping, Richard; Law
Veres, Sam; Biomedical Engineering

Renewal Fellows

Bestley, Sophie; Biological Sciences
Cann, Kendra; Pathology
Mason, Travis; Languages & Literature: English
Stoddart, Mark; Sociology & Social Anthropology
Faculty of Science Killam Professors
Adamo, Shelley; Psychology
Martin, Randall; Physics

Faculty of Science Killam Prize

Martin, Randall; Physics
Simpson, Alastair; Biology

Killam Chairs

Alda, Martin; Mood Disorders
Becke, Axel; Chemistry
Cullen, John; Oceanography
Milios, Evangelos; Computer Science

MONTREAL NEUROLOGICAL INSTITUTE

Killam Scholars

Bar-Or, Amit
Bedell, Barry
Bernasconi, Andrea
Cloutier, Jean-François
Fellows, Lesley
Fon, Edward
Fournier, Alyson
Genge, Angela
Kennedy, Timothy
Pack, Christopher
Ruthazer, Edward
Zatorre, Robert
Killam Prize
Samada, Pershia

Killam Professor

Pike, Bruce
Dorothy J. Killam Professor
Milner, Brenda

Killam Chair

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