



Lauréats
KILLAM 
Laureates

Annual Report of The Killam Trustees

DECEMBER 2013

*Building our future through advanced study.
Notre avenir passe par les études supérieures.*



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The Killam Trusts

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

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

— FROM THE WILL OF DOROTHY J. KILLAM, 1965

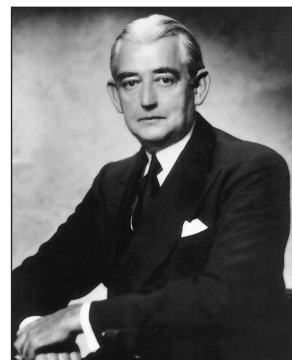


The Killam Trusts were established in 1965 under the Will of Dorothy Johnston Killam for the benefit of Dalhousie University, Montreal Neurological Institute of McGill University, University of Alberta, The University of Calgary, The University of British Columbia, and The Canada Council for the Arts.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

To date, over 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. They are as a group Canada’s premier awards in these fields, and to date 100 prizes have been awarded.

The Killams



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.

Annual Report of The Killam Trustees

If 2012 was a year of tumultuous change for the Killam Trusts, then 2013 was one of consolidation and steady advance.

On the people front, *The Hon. Kevin Lynch, PC, OC, LLD* has just completed his first year as our newest Trustee. To the Killam programs at all six Killam institutions – the University of British Columbia, University of Alberta, the University of Calgary, the Montreal Neurological Institute at McGill University, Dalhousie University and the Canada Council for the Arts – Kevin has brought fresh insights, based on his many years as one of Canada’s top civil servants. In that capacity Kevin was a leading participant in the birth and nurture of many of Canada’s scholarship and research programs, including The Canada Foundation for Innovation, The Trudeau, Vanier and Millennium Scholarships, the Canada Research Chairs Program, and of course Canada’s Tri-Council Granting Agencies: the Natural Sciences & Engineering Research Council, the Social Sciences and Humanities Research Council and the Canadian Institutes for Health Research. Kevin’s wealth of knowledge and experience in the public sphere, coupled with his private sector insights as Vice Chair of Bank of Montreal Financial Group, has added greatly to the range of advice and experience that we, the Trustees, are able to offer as we work with the Killam institutions to encourage their scholarship and prize programs to shine even more brightly.

The Killam institutions themselves have undergone three important changes in leadership, with three more to follow this year.

At Dalhousie, *Tom Traves* stepped down after 18 highly successful years as president. Throughout, Tom paid close attention to all things Killam, at Dal and beyond. It was Tom’s idea to commence our new coast to coast Killam Prize Lecture series, with happy results in its first two years of operations. *Izaak Walton Killam* – the business and financial genius whose fortune founded what is now a \$400 million trust fund devoted to research and scholarship – came from Nova Scotia, and accordingly Dal holds the largest share; seeing to its highest and best use at Dalhousie naturally occupied much of Tom’s time and attention, and for his devotion to Killam we Trustees are deeply grateful.

We warmly welcome *Dr. Richard Florizone* as Dal’s new President.

At the MNI, *Dr. Guy Rouleau* assumed the directorship after a robust, worldwide search following the untimely death of *Dr. David Colman*.

Sadly, as this report goes to press we note the death at age 95 of *Dr. Bill Feindel*, a much loved former director of the Neuro (1972 to 1984). Bill had remained active and interested in the work of the Institute until just months before his death.

At McGill, the MNI’s “mother ship”, *Prof. Suzanne Fortier* became Principal and Vice Chancellor after a spectacular 10 years under *Dr. Heather Munro-Blum*. Heather was a devoted Killam supporter even before coming to McGill when, as Vice President, Research and External Affairs at University of Toronto, she helped the Trustees raise the profile of the Killam Laureates at that vitally important “non-Killam” Canadian centre of research and scholarship. The Trustees are eternally grateful for Heather’s willing and insightful collaboration, and welcome Dr. Fortier, the vibrant former head of NSERC, as McGill’s new leader.

During the coming year, we will experience the announced departure of no less than three other experienced “Killam hands”: *Robert Sirman*, Director of the Canada Council; *Dr. Indira Samarasekera*, President of U of A; and *Prof. Stephen Toope*, President of UBC. All step down after years of strong leadership at their institutions and unstinting support for the Killam program. We Trustees will greatly miss their seasoned counsel.

Last year we reported on the death of *Dr. Ruth Goldbloom, OC* at age 89. Shortly before her death, her devoted husband *Dr. Richard (Dick) Goldbloom, OC* began penning his biography, and just before Christmas this year it reached the bookstands. (In producing this work Dr. Goldbloom was greatly assisted by Tia Cooper, wife of our Managing Trustee; Dick calls her “my amanuensis”.) And what a book it is! For Richard Goldbloom, an internationally renowned medical practitioner and scholar, possesses a fine writing style liberally laced with side-splitting wit. Filled with stories and anecdotes about Dick’s long tenure as Chief of Pediatrics at the Izaak Walton Killam Hospital for Children in Halifax, the book is a treasure trove of lore about the great financier whose fortune now serves the ends of both medicine and higher education. It recounts Dick’s connection with Mr. Killam’s wife, *Dorothy Johnston Killam*, whose death gave life through her Will to the Killam program across Canada and whose gift to the Halifax

Children's Hospital gave it national leadership in pediatric medicine and research. The Trustees cannot help but note that books such as these help immeasurably to put real flesh on the bare bones of the saga of Canada, a nation that punches far above its weight class, but whose exploits are not well enough known at home, let alone internationally, through failure to toot our own horn. Let Dick's book – already a "best seller" – serve as a model for our leading citizens to emulate.

Speaking of things international, the Trustees have become persuaded that our Killam programs should begin to look more outward than in past. Mrs. Killam gave ample warrant for this in her Will; her stated purpose in establishing the Killam Trusts was not only to build up research and scholarship in Canada, but to "promote sympathetic understanding between Canadians and the peoples of other countries". As further proof of her intent, she stipulated that non-Canadians "chosen from as many different countries as may from time to time be reasonably possible" should be eligible for Killam Scholarships, a particularly wide and forward looking vision for the 1960's. (She also stipulated, in a quaint phrase that was also a sign of the times that countries from which scholars are chosen should be "diplomatically sound".) And finally, she said that Canadian Killam Scholars could pursue their studies outside Canada, though non-Canadians were required to do their work here.

So, how should the international aspect of Mrs. Killam's vision find expression today? The Governor General, **The Rt. Hon. David Johnston** – incidentally former head of a Killam institution (McGill) and inaugural lecturer in our 18 year Killam Lecture Series (1995-2012) – has established a committee of senior Canadian academic administrators (including our Managing Trustee) to examine how we in Canada can project more of our leading scholars onto the world stage. By so doing, the hope is that they can win more international prizes and thus shine a brighter light on Canadian scholarships and research. In line with His Excellency's thinking, the Trustees are working with the Killam institutions to develop some kind of Killam international award or other form of recognition. By so doing, we will place the Killam Awards into direct competition with the best the world has to offer, and thus enhance the value and prestige of the Killam program, to the lasting benefit of our Killam Laureates.

Other questions we are asking ourselves are whether Killam Scholars might even be required to spend a semester abroad. Indeed, given Canada's somewhat parochial provincial (as opposed to national) focus on higher education, could matters be advanced by encouraging our five Killam universities to select as their Canadian Killam Scholars only candidates from another Province? These and other ideas are all food for thought!

Readers of this Report will be aware that we have a new Killam logo. Its shape suggests a globe, and thus projects the expanded international theme we hope to bring to the Killam program. The colours, however, tie the logo back to our six Killam institutions: gold for Dalhousie, ivory for the MNI, green for the U of A, red for U of C and dark blue for UBC. The light blue "underweave" represents the Canada Council. All six have embraced the new branding enthusiastically, and all are likewise adopting a uniform Killam style guide. At the same time, the logo is entirely compatible with each institution's own branding, and the style guide will provide for this. Many thanks to National Public Relations for helping us with this project, and thanks also to our six Killam partners for their willing collaboration throughout!

Another project under review is the formation of a Killam alumni network. Experience at many universities shows that many alumni who have come together through the Internet feel a strengthening of their common bond, which becomes deeper as the years go by. Alumni websites are indeed the modern way to build a community; but the fact is that alumni seem not to be much interested in generic information about their *alma mater*. Rather, they want to connect with people who hold similar personal interests as their own – professional contacts, career opportunities, recreational adventures, vacation homes and the like. With this in mind, we are setting up a Killam alumni website, and will experiment with various sub-sets of activities and interests. We hope that within a couple of years or so a critical mass of Killam alumni will unfold, which then might seek to come together for a Killam meeting – a conference, seminar or lecture. Again, this is just something we are thinking about, and we are looking for suggestions from all Killam Laureates past and present.

Readers will also be aware that in 2012 the CBC broadcast the first Killam Symposium, with all five Canada Council Killam Prize Laureates on the stage at Rideau Hall with Paul Kennedy, host of the CBC's "Ideas" program. It was a rousing success, repeated again this year. We are working closely with the CBC to ensure the series continues indefinitely, perhaps in a different format.

In the meantime we are most gratified that His Excellency the Governor General continues to host the presentation each year of the five Canada Council Killam Prizes in Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities. These Prizes, worth \$100,000, are as a group Canada's leading prizes in recognition of lifetime accomplishment in these fields.

And finally, money. Or, more correctly, finances – always a key concern of the Trustees, and never more than in the past six years of deep financial turmoil

While financial markets have largely come back to their levels of 2008, and with them the fortunes of the Killam Trusts, the Trustees believe that going forward the world will not be the same. Whereas after earlier recoveries the financial markets could be relied on to return to their previous fecundity, today all national and international indications are for a prolonged period of slower growth, lower interest rates, and subdued returns in the equity markets. Whereas before, one might reasonably expect risk-related returns to be in the 4.5-5.5% range after inflation and investment-related expenses, today one might cautiously expect only 3.5-4%. For this reason the Trustees have worked diligently with the six Killam institutions to implement this as a new, across-the-board spending level, and we are glad to report that all six have agreed. We have, however, also agreed that if the world surprises us on the upside, and we find that available spending – that is, monies available for program spending after preserving capital against inflation and after the costs of investment – consistently exceeds 3.5%, we will consider a "look-back" provision by which institutions can cautiously recoup some of the "excess" to help with their current spending requirements. The purpose of all this is, of course, to ensure "intergenerational equity" – the idea that going into the future each generation of students should receive the same benefit, in after-inflation dollars, as those who went before.

The Killam vision, as stated in the extract from Mrs. Killam's Will at the beginning of this Annual Report, has been amply achieved. Over 6,500 Killam Scholarships and Prizes have been awarded to date, and many top scholars from other countries have come to Canada to study and, in many cases, to make their lives here.

Yet, as important as the Killam Trusts have been for Canada since they started in 1965, they will even more important in the years ahead. For all around the world there is intense competition for talent. It is our goal that the Killam Trusts and the Killam Laureates will do their part in helping Canada win that competition, by building a skilled and knowledgeable workforce, and by attracting "the brightest and the best" to our shores.

We close this "general part" of our report with a tip of the hat to Sarah Horrocks, our Administrative Officer. Sarah moved with her family from Halifax – the centre of our Killam administrative activities and the province of Mr. and Mrs. Killam's domicile – to Ontario in 2012; but through the magic of electronic communications, the transition has been seamless. Thank you Sarah!

We turn now to report on the activities of each of our Killam institutions in turn.

University of Alberta

There was a slight increase in the market value of the endowment at the U of A in 2013 to \$95.6 Million, which is a positive indicator for future growth.

The U of A's selection committee, made up of senior faculty, reviewed an astounding 256 applications for three sets of doctoral awards, including the Killam scholarships. Of these, six were selected to receive full value Killam scholarships, while 16 received partial Killam funding. (These 16 have received other external awards, and in such cases the Killam funds are used to "top up" the external award to bring it up to equal the value of the Killam award.) The 22 new scholars joined the 17 renewal scholars from 2012, bringing the total number of U of A doctoral scholars to 39. As the scholarship is open to citizens of all countries, there are Killam doctoral scholars studying at the U of A from as far away as Bangladesh and Nicaragua, and as nearby as Edmonton and Sherwood Park, Alberta.

The Killam Postdoctoral fellowship committee is adjudicated by an Associate VP Research, and this year the committee saw 53 applications. Four new Killam Fellowships were awarded, and five from 2012 are being renewed (two of these honorary), making a total of nine Killam Postdoctoral Fellows being supported at the U of A this year. These fellowships are granted for two years and include a stipend of \$46,000, a one-time research allowance of \$4,000, and a benefits package for Fellows and their families.

The Killam doctoral and postdoctoral fellows compete for a Dorothy J. Killam Prize of \$2,500 based on academic achievement, research proposal, letters of recommendation and leadership qualities. Four Prizes are awarded to Killam doctoral scholars and one goes to a Killam Postdoctoral Fellow.

Faculty at the University of Alberta also benefit from the Killam endowment, with Killam Annual Professorships, Killam Awards for Excellence in Mentoring and Killam Chairs comprising the range of awards for faculty.

For 2013, seven outstanding academics were recognized as Killam Annual Professors, receiving \$3,500 in recognition of their distinguished careers. These appointments are based on scholarly activities including teaching and graduate student supervision, but also take into account contributions to the community beyond the university.

The Excellence in Mentoring Award recognizes academic staff who have demonstrated outstanding performance with undergraduate, graduate and visiting scholars. There was one award winner for 2013.

There are two continuing Killam Chairs at the University of Alberta, **Drs. Valeri Frolov** and **David Schindler**, who are proud representatives of the Killam name on the U of A campus.

All of these Killam award winners were celebrated at a luncheon in the fall of 2013, which not only allows Killam scholars to meet one another but also gives them the opportunity to meet and chat with the Killam Trustees. The U of A publicizes the Killam name by inviting off campus luminaries to share in this celebration and to hear about the Killam supported research being carried out on campus.

The names of all the U of A's Killam award winners for 2013 are listed at the end of this Report.

The Canada Council for the Arts

The Canada Council for the Arts continues to do an outstanding job adjudicating the Killam Prizes and Killam Research Fellowships. Killam Prizes are given in recognition of life time achievement to leading scholars nominated from across Canada in the fields of Health Sciences, Natural Sciences, Engineering, Social Sciences and the Humanities. For 2013 the winners were:

Lorne Babiuk, University of Alberta, Health Sciences:

Lorne Babiuk is a world leader in the area of vaccinology. One of the numerous vaccines that he developed laid the foundation for a rotavirus vaccine for children. Before vaccination, over 500,000 children died each year from rotavirus. His vaccine saves the cattle industry in North America \$300 million a year. He is a global authority on infectious diseases, virology, immunology and vaccine delivery. He has founded an internationally recognized research institute, the Vaccine and Infectious Disease Organization (VIDO), and more recently a \$140 million dollar bio-containment facility which is the only one of its kind in Canada. He continues to contribute to the advancement of the health of humans and animals. In addition to being Vice-President (Research) at the University of Alberta, Dr. Babiuk serves on numerous committees, helping to set science policy in Canada and around the world.

John McGarry, Queen's University, Social Sciences:

John McGarry is universally recognized as one of the world's top authorities on power-sharing, federalism, and conflict resolution. He has played an important role in shaping Northern Ireland's successful peace process, particularly in the crucial area of policing reform. His co-authored book *Explaining Northern Ireland* is widely seen as the most influential work on the subject over the past two decades. In 2008, he was appointed as the first ever Senior Advisor on Power-Sharing to the United Nations (Mediation Support Unit), and he is currently the main advisor on governance in the UN-led negotiations in Cyprus. Dr. McGarry is currently writing a book on power-sharing theory, and supports the development of a more integrated approach to conflict resolution by encouraging interaction between specialists in different areas such as disarmament, economic reconstruction and the proper treatment of refugees. This research is aimed at influencing the UN's work in the field.

Witold Pedrycz, University of Alberta, Engineering:

Computational Intelligence, a comprehensive framework for analysis and design of human-centric intelligent systems, is *Dr. Witold Pedrycz's* area of specialization. He is a widely recognized world leader in this field and has made a number of pioneering and influential contributions. He has developed fundamental concepts and algorithmic

foundations in the disciplines forming the essence of Computational Intelligence. These include neurocomputing, which provides a wealth of learning mechanisms, and "fuzzy sets", which support human-like reasoning by processing linguistic information. The goal of his research activities at the U of A is to develop hybrid intelligent systems that exhibit different levels of learning and are capable of taking the factor of uncertainty (information granularity) into account.

Richard Peltier, University of Toronto, Natural Sciences:

Physicist *Richard Peltier* is a pioneer in the establishment of the field of Earth System Science, a revolution in Earth Science built on the premise that the Earth and its climate are understandable only through cross-disciplinary research. Over the course of his career, he has attacked a wide range of interrelated issues in the areas of atmospheric and oceanic waves and turbulence, geophysical fluid dynamics, physics of the planetary interior, and planetary climate. *Dr. Peltier* is listed by Science Watch as one of the most highly cited Earth Scientists internationally. He is director of the Centre for Global Change Science, principal investigator of the Polar Climate Stability Network, and the Scientific Director of Canada's largest supercomputer centre, SciNet.

Paul Thagard, University of Waterloo, Humanities:

One of the most influential cognitive scientists in Canada, philosopher *Paul Thagard* is among the top researchers worldwide in building theories of thinking. He has been crossing the divide between the humanities and sciences for over 30 years, linking fundamental philosophical issues to scientific questions about the nature of the mind and brain. Dr. Thagard pioneered the philosophical use of computer models to help understand the structure and growth of scientific knowledge. A prolific writer, he has contributed to research in analogy and creativity, cognition in the history of science, and the role of emotion in thinking. He has investigated the relevance of psychology and neuroscience for ethical questions about morality and the meaning of life. His research has yielded 10 books and some 200 scholarly articles, many highly cited. He is currently working on new theories of emotion, intention, and consciousness.

The Canada Council's Killam Selection committee also adjudicated the Killam Research Fellowships which provide two years release time for research or writing. In 2013, some 78 applications from 31 Canadian universities and institutions were considered, and six scholars were selected. These six join the seven renewals from 2012 for a total of 13 Killam Research Fellowship holders in 2013.

The full list of all of the Canada Council award winners can be found at the back of this Report.

Montreal Neurological Institute of McGill University

This year marked the start of the appointment of *Dr. Guy Rouleau* as Director of the Montreal Neurological Institute and Hospital, effective January 1, 2013. Dr. Rouleau, who came to the Neuro from the Université de Montréal, holds the Wilder Penfield Chair in Neurosciences as Professor of Neurology and Neurosurgery at McGill.

At the MNI a total of eight Killam scholars are supported by the Killam endowment. These scholars hold their Killam appointments for five years, from 2012 to 2017.

The Neuro continues its weekly Killam Research Seminar series in Neuroscience, which this year brought 27 leading scientists and clinicians from across North America and Europe to MNI. The Dorothy J. Killam Lecture, established in 2004 to recognize the achievements of women in academia and science, also continued in 2013 with *Dr. Carla Shatz's* visit from Stanford University.

While the Izaak Walton Killam Chair held by the late *Dr. George Karpati* remains open, the Neuro is always pleased to announce that *Brenda Milner, PhD* continues as the Dorothy J Killam Professor, having conducted pioneering studies at the Neuro for some 60 years. Dr. Milner remains very active in her research.

The names of all of the Neuro's award winners can be found at the end of this Report.



**Are you interested in a Killam Alumni Network?
What information/updates would you like to share?
What connections would you like to make?**

- Local Community
- Academic Community
- Research Collaboration
- Mentoring Opportunities
- Group Discounts/Benefits
- Other

Have your say in the development of our new networking portal!
(coming soon to killamlaureates.ca)

Direct your correspondence to:
Sarah Horrocks, Administrative Officer to the Killam Trusts
administrator@killamlaureates.ca or 705.331.0808

KILLAMLAUREATES.CA

As always, we want to hear about your recent accomplishments!
Have you moved? Received a new Killam award?
Update your record and stay connected.

First Name: _____ Last Name: _____

Former Name: _____

Killam Award: _____ Year: _____

Street Address: _____

City: _____ Province: _____

Email: _____

url: _____

Would you like to receive Killam notifications to this email? _____

Other news to share?: _____



The University of Calgary

Killam Trustee *the Hon. Kevin G. Lynch, PC, OC, PHD, LLD*, was delighted to speak to members of the Graduate Leaders' Circle at the U of C this fall. Founded in 2011 to provide leadership opportunities to Killam and Vanier scholars on campus, the Graduate Leaders Circle is a wonderful outlet for Killam scholars at the U of C.

This year the U of C saw 53 applications to the Izaak Walton Killam Memorial scholarships at the doctoral level, valued at \$36,000 plus an annual \$3,000 research allowance. Of those, nine new scholars were selected to join the 16 renewing scholars from 2012.

One new Postdoctoral Fellow was appointed in 2013 to join the renewal postdoctoral fellow from 2012. *Dr. Jean-Paul Motta*, who completed his PhD at the University of Toulouse, France, will spend the next two years at the U of C, further strengthening the university's world ranking in Inflammatory Bowel Disease (IBD) research. The U of C currently ranks fifth in the world in this area of research.

At the faculty level the U of C offers Killam Professorships, Killam Research and Teaching Prizes, Killam Visiting Scholars, as well as Killam Chairs.

There were ten nominations in the Professorship category, five of which were selected to receive the \$10,000 prize. Five new Killam Research and Teaching Prizes were awarded; recipients received a \$5,000 prize. Unfortunately the Visiting Scholar selected for the 2013 session was unable to come at the last minute, leaving this position vacant.

Dr. Walter Herzog happily continues as Killam Memorial Chair at the U of C where he is in his third year of a five-year term.

The names of all Killam award winners at the University of Calgary and their disciplines can be found at the end of this Report.

The University of British Columbia

The Killam Doctoral Scholarships are UBC's most prestigious merit-based scholarships, providing two years of support with an annual stipend of \$30,000 and a \$2,000 travel and research allowance over the tenure of the scholarship. For 2013, 16 new appointments were made (12 honorary) and 19 were renewed (15 honorary) for a total of 35 Killam doctoral scholars now on stipend at UBC.

The Byers Prize, named for the original Killam Managing Trustee **Donald N. Byers**, is awarded to the highest ranking Killam Doctoral scholar in the annual Affiliated Fellowship competition. There was one award in this category for 2013.

The Postdoctoral Fellowship criteria were slightly revised to reaffirm the eligibility window for those who have had career delays or interruptions. All applicants must have completed their PhD no more than 24 months prior to the anticipated fellowship start date, and the period of eligibility may be extended for those applicants who have had their career interrupted for specific delays. Fellowships offer an annual stipend of \$50,000 for two years plus \$4,000 in research allowance in addition to health benefits. There were six new Killam Postdoctoral Fellows named at UBC this year, joining the three renewals from 2012.

UBC Postdocs compete for the Killam Postdoctoral Fellow Research Prize, given in recognition of outstanding research and scholarly contributions while at UBC. In 2013 two such prizes were awarded.

Faculty at UBC can also apply for Killam Fellowships and awards such as the Killam Awards for Excellence in Mentoring (of which there were three in 2013), the Killam Faculty Research Fellowships (10 in 2013), Killam Faculty Research Prizes (9 in 2013), and Killam Teaching Prizes (23 in 2013).

The names of all UBC award winners can be found at the back of this Report.

Dalhousie University

There are seven distinct programs supported by the Killam endowment at Dalhousie University, both at the student as well as at the faculty level. Dalhousie continues to be the only "Killam" university to offer "pre-doctoral" scholarships to Masters level students, in addition to doctoral level scholarships for top PhD candidates. In 2013 there were 28 new scholarships offered, seven at the Masters level and 21 to doctoral candidates. These 28 joined the 39 renewal scholars for a total of 67 Killam scholars, 30 of whom hold major external awards. It should be noted that all Killam PhD scholars starting their programs at Dalhousie are also eligible for the President's Award, which covers tuition.

Postdoctoral fellows are welcomed from any discipline or nationality, and this year Dalhousie awarded two new Killam Postdoctoral Fellows and renewed four from the previous year.

Dalhousie is one of three institutions, along with the University of Calgary and the University of Alberta, to receive funding for Killam Chairs. At Dalhousie there are three Chairs continuing their terms and their research.

The Faculty of Science offers Killam Professorships and Prizes. The Professorships recognize the scientific contributions of the Faculty of Science's most outstanding scientists. The five-year Professorships are funded from the Killam Salary Fund at Dal, and winners also receive a prize of \$2,000 per year over the five-year term. This year there are eight renewing professors and one new appointment.

The Faculty of Science Killam Prize is awarded annually to enhance the career of a promising scientist who has obtained his/her doctorate within the past eleven years. The 2013 Faculty of Science Killam Prize recipient is **Sean Barrett** from the Department of Psychology.

In addition to these scholarships, fellowships and awards, Dalhousie benefits from the "Anonymous Donor's Fund", created by Mrs. Killam before her death as a "tester" for the full Killam program. This fund provides departmental support for graduate students in general, so while these students are not designated as Killam scholars they do receive notification that a portion of their funding comes from the Killam estate.

Finally, Dalhousie has the distinction of holding the longest standing Killam lecture series. Since 1976 the Killam Residue Fund has been used to attract audiences from across the province to hear notable academics speak on a topic of current interest. In 2013 the theme of these lectures was Epigenetics.

A list of all Dalhousie's winners can be found at the end of this Report.

Killam Award Winners 2013

University Of Alberta

Killam Doctoral Scholars

New Scholars

Abdelmoneim, Ahmed Saied; Pharmaceutical Sciences	Harrison, Adam; Electrical & Computer Engineering*
Benesch, Matthew; Biochemistry*	Hasenbank, Andrea; English & Film Studies*
Berry, Jane; Music*	Hauer, Bradley; Physics*
Chan, Michelle; Psychology*	Islam, Tazul; Civil & Environmental Engineering
Chouinard, Brea; Rehabilitation Medicine	Kajner, Tania; Education
Churchill, Cassandra; Chemistry*	MacDonald, Katherine; Sociology*
Diamanti, Jeff; English & Film Studies*	Miller, Joshua; Biological Sciences*
Gala Lopez, Boris; Surgery	Raphael, Daisy; Political Science*
Geeraert, Kristina; Linguistics*	Saltaji, Humam; Dentistry
Greenberg, Anastasia; Neuroscience*	Tucker, Ryan; Electrical & Computer Engineering*
Haji Reza, Parsin; Electrical & Computer Engineering*	Whitten, Tara; Neuroscience*

Renewal Scholars

Aruma Baduge, Gayan; Electrical & Computer Engineering*	Manca, Terra; Sociology
Auger-Methe, Marie; Biological Sciences*	Mason, Derritt; English & Film Studies
Carlson, Adam; English & Film Studies*	Murphy, Jeffrey; Chemistry*
Chenard, Carolyn; Resource Economics & Environmental Sociology*	Olstad, Dana; Agricultural, Food and Nutritional Science
Dasog, Mita; Chemistry*	O'Rourke, Hannah; Nursing*
He, Jinwei; Electrical & Computer Engineering	Pemberton, Joshua; Biological Sciences*
Klutsch, Jennifer; Renewable Resources*	Raynard, Mia; Business
Kristensen, Todd; Anthropology*	Touna, Vaia; Religious Studies
	Zhao, Yanfei; Business

Dorothy J. Killam Memorial Graduate Prize

Benesch, Matthew; Biochemistry	Miller, Joshua; Biological Sciences
Churchill, Cassandra; Chemistry	Whitten, Tara; Neuroscience

*DENOTES HONORARY RECIPIENTS OF AN IZAAK WALTON KILLAM MEMORIAL SCHOLARSHIP

We close this report by expressing our deep appreciation to all the faculty and staff at our six Killam institutions who work so hard, day after day, to make the Killam program such a success. Observing this effort first hand constantly energizes and uplifts the Trustees, reminding them each year of Canada's growing strength and competitiveness in the world of academic research and scholarship. For this we are most grateful.

The Killam Trustees extend to the whole "Killam family of Scholars" all good wishes for 2014.

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

John S. Montalbano, CFA

The Honourable Kevin G. Lynch, PC, OC, PhD, LLD

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

The Trustees of the Killam Trusts
Halifax, Nova Scotia
December, 2013

The University of British Columbia

Killam Postdoctoral Fellows

New Fellows

Avgar, Tal; Biological Sciences
Vardhan, Mamta; Sociology

Wang, Faming; Human Ecology
Webb, Amelinda; Earth & Atmospheric
Science

Renewal Fellows

Brysse, Keynyn; Interdisciplinary Studies
Bueno Gonzalez, C. Guillermo; Biological
Sciences*

Paulin, Roxane; Medicine*
Porter, Trevor; Earth & Atmospheric Sciences
Sokolov, Danila; English & Film Studies

Dorothy J. Killam Memorial Postdoctoral Fellow Prize

Wang, Faming; Human Ecology

Killam Annual Professors

Abu-Laban, Yasmeen; Political Science
Gamal El-Din, Mohamed; Civil &
Environmental Engineering
Hall, Dennis; Chemistry
He, Fangliang; Renewable Resources

Pinfold, James; Physics
Robinson Fayek, Aminah; Civil &
Environmental Engineering
Szeman, Imre; English & Film Studies

Killam Chairs

Frolov, Valeri; Physics
Schindler, David; Biological Sciences

Killam Award for Excellence in Mentoring

Harrison, Jed; Chemistry

Killam Doctoral Scholars

New Scholars

Alger, Justin; Political Science
Becker-Santos, Daiana; Interdisciplinary
Oncology*
Bock, Dan; Botany*
Cohen, Dan; Geography*
Couture, Selena; Theatre*
Davis, Jacqueline; Interdisciplinary Studies
Fice, Jason; Kinesiology*
Golubev, Alexey; History
Haslam, Tegan; Botany*

Keats-Osborn, William; Sociology*
Kolesnik, Brett; Mathematics*
Laguë, Sabine; Zoology*
Nowak, Anja; Central, Eastern, Northern
European Studies
Smirl, Jonathan; Interdisciplinary Studies, UBC
Okanagan*
VanInsberghe, Michael; Genome Science &
Technology*
Weidman, Aaron; Psychology

Renewal Scholars

Atkins, Chad; Chemistry*
Bennett, Erica; Kinesiology*
Campbell, Christopher; Curriculum &
Pedagogy*
Chang, Sabrina; Interdisciplinary Studies*
Collier, Christopher; Electrical & Computer
Engineering, UBC Okanagan*
Cragg, Jacquelyn; School of Population &
Public Health
Denil, Misha; Computer Science*
Fan, Xuelai (Shelly); Neuroscience
Gardner, Chelsea; Classical, Near Eastern &

Religious Studies*
Johnson, Kaeli; Botany*
Kelm, Joanna; Education*
Liang, Yitian; Sauder School of Business
Parmasad, Vishala; Anthropology*
Poon, Jessica; Art History, Visual Art & Theory
Rabideau, Charles; Physics & Astronomy*
Truant, Tracy; Nursing*
Victor, Sarah; Psychology*
Webber, Sophie; Geography*
Xu, Sheng-Jun; Sauder School of Business*

Killam – Donald N. Byers Prize

Bock, Dan; Botany

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Killam Postdoctoral Research Fellows**New Fellows**

Boyle, Terry; Medicine* Szpak, Paul; Anthropology*
Catungal, John Paul; Sociology* White, Nicholas; Chemistry
Franks; Kathryn; Land & Food Systems*
Marshall, Katie; Zoology

Renewal Fellows

Metcalfe, Jessica; Anthropology Xia, Jianguo (Jeff); Microbiology &
Solman, Grayden; Psychology* Immunology*

Killam Postdoctoral Fellow Research Prizes

Karlen, Walter; Electrical & Computer Whitlock, John; Dentistry
Engineering

Killam Faculty Research Fellows

Chen, Jiahua; Statistics Henrich, Joseph; Psychology
Conati, Cristina; Computer Science Kuus, Merje; Geography
Floresco, Stan; Psychology Madison, Kirk; Physics & Astronomy
Ford, Cristie; Law Rottler, Joerg; Physics & Astronomy
Francois, Roger; Earth, Ocean & Atmospheric Veenstra, Gerry; Sociology
Sciences

Killam Faculty Research Prizes

Alden, Lynn; Psychology Schmader, Toni; Psychology
Aparicio, Samuel; Pathology & Laboratory Soma, Kiran; Psychology
Medicine Suttle, Curtis; Earth, Ocean & Atmospheric
Nielsen, Torsten; Pathology & Laboratory Science
Medicine Wilson, Roger; Classical, Near Eastern &
Pai, Dinesh; Computer Science Religious Studies
Roeder, John; Music

Killam Awards for Excellence in Mentoring

Schafer, Laurel; Chemistry Ward, Rabab; Electrical & Computer
Engineering

Killam Teaching Prizes

Adebar, Perry; Civil Engineering Moss; Laura; English
Boschma, Geertje; Nursing Nason, Dory; First Stations Studies
Burk, Stefania; Asian Studies Nicholl, Tessa; Pharmaceutical Sciences
Cameron, Max; Political Science Nicolaou, Savvas; Radiology
Fox, Joanne; Microbiology Nimmo, Michael; Pathology & Laboratory
Ghioca, Dragos; Mathematics Medicine
Hallam, Steven; Microbiology Sammis, Glenn; Chemistry
Hanser, Amy; Sociology Souza, Michael; Psychology
Kendrick, Maureen; Language & Literacy Stephens, Christopher; Philosophy
Education Walter, Pierre; Educational Studies
Koehoorn, Mieke; Public Health Wasserman, Wyeth; Medical Genetics
Matthew, Ian; Dentistry Yedlin, Matthew; Electrical & Computer
Milne, Tamar; Sauder School of Business Engineering

Killam Professors

Affleck, Ian; Physics & Astronomy Hayden, Michael; Centre for Molecular
Grace, Sherrill; English Medicine & Therapeutics

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The University of Calgary

Killam Doctoral Scholars

New Scholars

Abdel Rahman, Khaled; Medical & Health Sciences*

Capozzi, Lauren; Kinesiology*

Huff, Mark; Psychology*

Khu, Melanie; Psychology*

Lewinson, Ryan; Biomedical Engineering*

Lorenzetti, Lisa; Social Work*

Pon, Aura; Music*

Saidi, Saeid; Civil Engineering*

Sonpal-Valias, Nilima; Sociology*

Renewal Scholars

Amundsen-Mayer, Lindsay; Archaeology*

Bardick, Angela; Applied Psychology*

Chow, Jacky; Geomatics Engineering*

Eastwood, Catherine; Nursing

Ference, Jennifer; Clinical Psychology*

Forde, Taya; Veterinary Medicine

Hargreaves, Ian; Psychology*

Hughey, Curtis; Biochemistry*

Nader Esfahani, Ali; Music

Osiyevskyy, Oleksiy; Haskayne School of Business

Pool, Sandy; English

Razaei Nazifi, Saeed; Electrical & Computer Engineering

Roy, Amrita; Community Health Sciences*

Snow, Dave; Political Science

Tanaka, Kohei; Geoscience*

Thille, Patricia; Sociology

Killam Postdoctoral Fellows

Motta, Jean Paul; Medical & Health Science

The Donald N. Byers Memorial Killam Prize

Saidi, Saeid; Civil Engineering

Killam Visiting Scholar

Position Vacant

Killam Research and Teaching Awards

Award for Leadership in Teaching

Graham, Cindy; Faculty of Science

Innovation in Teaching Award

Gates, Ian; Schulich School of Engineering

Emerging Research Leader Award

Kaplan, Gil; Faculty of Medicine

Graduate Supervision and Mentoring Award

Nigg, Benno; Kinesiology

Research Leader Award

Hemmelgarn, Brenda; Faculty of Medicine

Interdisciplinary Research Prize

Position Vacant

Killam Professors

Ferris, John; History

Ghali, William; Medicine

Lees-Miller, Susan; Medicine

Oxoby, Robert; Economics

Sharkey, Keith; Medicine

Killam Chairs

Herzog, Walter; Kinesology

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The Canada Council for the Arts

Killam Research Fellows

New Fellows

Greer, Allan Robert; History – McGill University	Plant, David; Computer Science – McGill University
Kallin, Catherine; Physics – McMaster University	Quastel, Jeremy; Mathematics – University of Toronto
Lautens, Mark; Chemistry – University of Toronto	Tagliamonte, Sali; Linguistics – University of Toronto

Renewal Fellows

Chapman, Colin; Social Sciences – McGill University	Lewis, Mark; Natural Sciences – University of Alberta
Gingras, Michel; Natural Sciences – University of Waterloo	Rowe, Kerry; Civil Engineering – Queen's University
Hirschl, Ran; Political Sciences – University of Toronto	Wang, Suning; Natural Sciences – Queen's University
Kashyap, Raman; Electrical Engineering – École Polytechnique de Montréal	

Killam Prize

Babiuk, Lorne, University of Alberta; Health Sciences	Peltier, Richard, University of Toronto; Natural Sciences
McGarry, John, Queen's University; Social Sciences	Thagard, Paul, University of Waterloo; Humanities
Pedrycz, Witold, University of Alberta; Engineering	

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Dalhousie University

Killam Masters and Doctoral Scholars

New Scholars

Attwood, Kathleen; Biochemistry*	Levy, Chris; Math & Statistics
Ballantyne, Emily; English	MacMichael, Margaret, Resource & Environmental Studies*
Beitelman, David; Political Science	Migicovsky, Zoe; Biology*
Boulding, Kaitlyn; Classics*	Morgan, David; Political Science*
Burt, William; Oceanography	Munoz Gomez, Sergio Andre; Biochemistry
Chinneck, Anne; Psychology*	Nathan, Robert; History
Dauphinee, Adrian; Biology*	Parsons, David; Physics
Dolatabad, Ali Alilooee; Math & Statistics	Rubinfeld, Lindsay; Psychology
Gebremeskel, Simon; Microbiology*	Sharpe, Susan; Biochemistry*
Groves, Brandon; Chemistry	Stewart, Melissa; Psychology
Harrison, Julia; Neuroscience*	Stockdale, Katie; Philosophy
Hassal, Cameron; Psychology*	Sun, Jon-Paul; Physics*
Hebert, Alisa; Psychology*	Wertman, Jaime; Pharmacology*
Jankowska, Magdalena; Computer Science	
Jensen, Graham; English*	

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Renewal Scholars

Allen, Janice; Earth Sciences*
Birnie, Kathryn; Psychology
Boys, Brian; Physics
Braschi, Lea; Earth Sciences*
Brown, Aidan; Physics*
Chuangpishit, Huda; Math & Statistics
Connon, Emma; Math & Statistics
Cowper-Smith, Christopher; Psychology
Doan, Michael; Philosophy
Dranse, Helen; Pharmacology*
Engler Palma; Maria Cecilia; Law*
Everist, Michelle; Chemistry
Fillbee-Dexter, Karen; Biology*
Gillies, Kelsie; Pharmacology
Hatfield, Gillian; Biomedical Engineering
Higgins, Kristen; Psychology
Hilchey, Matthew; Psychology*
Jabalee, James; Anatomy
Jason, Timothy; IDPhD
Johnston, Ben; Microbiology*

Jourdeuil, Karyn; Anatomy*
Laprairie, Robert; Pharmacology*
Lundrigan, Travis; Chemistry*
MacDonald, Ian; Anatomy*
Magnani, Mauricio; Biology*
Pearce, Barbara Lee; History*
McGilvery, Paul; Classics*
McMillan, Justine; Oceanography
Miller, Geordie; English*
O'Brien, John; Biology*
Peacock, Byron; Political Science*
Read, Jolene; Microbiology
Rourke, Jillian; Pharmacology*
Shan Shilang; Oceanography
Shehadeh, Shadi Hazzem; Electrical Engineering
Speth, Tamara; Psychology*
Stevens, Tynan; Physics
Whidden, Christopher; Computer Science

Killam Postdoctoral Fellows**New Fellows**

Bushnell, Eric; Chemistry

Du, Zhijia; Physics

Renewal Fellows

Payette, Gillman; Philosophy

Faculty of Science Killam Professors

Adamo, Shelly; Psychology
Boudreau, Bernie; Oceanography
Grant, Jonathan; Oceanography
Hay, Alex; Oceanography
Hutchings, Jeff; Biology

Martin, Randall; Physics & Atmospheric Science
Stradiotto, Mark; Chemistry
Thompson, Alison; Chemistry
Wentzell, Peter; Chemistry

Faculty of Science Killam Prize

Barrett, Sean; Psychology

Killam Chairs

Alda, Martin; Mood Disorders
Becke, Axel; Chemistry

Ungar, Michael; Social Work

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Montreal Neurological Institute

Killam Scholars

Baillet, Sylvain
Brais, Bernard
De Villers-Sidani, Etienne
Ladbon-Bernasconi, Neda

McBride, Heidi
Reader, Andrew
Shmuel, Amir
Tsuda, Hiroshi

Killam Prize

Position Vacant

Killam Professor

Pike, Bruce

Dorothy J. Killam Professor

Milner, Brenda

Killam Chair

Open; appointment pending







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