

# Queen's

ALUMNI REVIEW

Issue 3, 2016

The magazine of  
Queen's University  
Kingston, Ontario

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**Tackling a public  
health crisis**

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**A team effort**

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**Living life  
honestly**

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# Cancer care and research



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JULIA KRULIK

12

### COVER STORY

## Tackling a public health crisis

Researchers at the Canadian Cancer Trials Group, based at Queen's, are leading the world's first clinical trial using immunotherapy to fight early-stage lung cancer.

BY NANCY DORRANCE



GARRETT ELLIOTT

20

### FEATURE STORY

## A team effort

Young investigators team up with mentors to take on the most pressing questions in cancer research.

BY MARK WITTEN



BERNARD CLARK

24

### PHOTO ESSAY

## Living life honestly

Karen Nicole Smith, Artsci'08, talks about living with serious illness, how to break bad news to a patient, and how to be your own best health-care advocate. Plus, Dr. Marian Luctkar-Flude discusses survivorship care, and we explore the groundbreaking ovarian cancer research of Dr. Madhuri Koti.

2

Editor's notebook

3

Letters to the editor

5

From the principal

6

*Quid Novi*

News from campus

8

*In memoriam*

Merv Daub remembers football coach Doug Hargreaves.

10

Spring celebrations: Queen's newest graduates celebrate with family, classmates, and professors.

34

Keeping in touch

56

Your global alumni network

58

*Ex libris*

New books from faculty and alumni

60

QUAA president's message

*On the cover:*

A 3D rendered close-up of a cancer cell appears in different colours, symbolizing the many people tackling this disease. In the final frame, the cancer cell disappears, symbolizing our collective efforts to eradicate the disease.

cell image © royaltystockphoto.com

## *Dum spiro, spero.* *(While I breathe, I hope.)*

This saying could well be the motto of cancer survivors and researchers alike. In this issue, we meet just a few of the people at Queen's battling this disease. Some of them are expanding our knowledge of how cancer operates and creating more effective treatments. Some of them are banding together, calling upon the expertise of colleagues in disciplines quite different from their own, to tackle questions about cancer in new ways. In this issue, you'll meet people coordinating an international trial that could signal an end to early-stage lung cancer. You'll meet people advocating for themselves and their fellow patients; raising funds and awareness to support cancer research; clarifying complex guidelines for survivorship care; and making medical breakthroughs. The fight against cancer continues, as it has for decades. It takes a long time, it takes many forms, and it takes the efforts of many people.

In every issue of the *Review*, I can only offer you a sample of stories that address a much larger topic. For this issue, I have focused on the positive stories, of hope and progress, of collaboration and success.



GARRETT ELLIOTT

There are so many other stories though, of frustration, despair, pain, and loss. I hear some of those stories when I talk with family and friends of Queen's alumni and faculty members who have lost their lives to cancer or other illness. But when I talk to the bereaved – whether they are spouses, children, parents or classmates – our conversations quite often then turn to the positive. They tell me about the wonderful memories they have of the person they lost: his

or her accomplishments, idiosyncrasies, and sense of humour (so often found in Queen's grads and faculty members) and the love they had for their family and friends. I have been privileged to be part, in a small way, of the celebration of their lives.

And just as the individuals who lost their lives to cancer were not defined by their disease, the same is true for those living with cancer. They have a lot to deal with, after their diagnosis, during their treatment, and even post-treatment. You'll learn a little more about survivorship care issues in our talk with Marian Luctkar-Flude. But people living with cancer are *not* their cancer and they are not to be mourned prematurely. They may need a little more support from you. They may, as Karen Nicole Smith tells us, be a little more frank than usual about what they need from their friends, their colleagues, and their health-care providers. Be there for them if you can.

*Dum spiro, spero.*

Andrea Gunn  
Editor

[review@queensu.ca](mailto:review@queensu.ca)



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**The mission of the QUAA**

"To reach out and foster a lifelong association with Queen's, to engage our members in the life and work of the university, and to serve the alumni community in all its diversity."

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# letters

TO THE EDITOR

## On our art issue

Fine coverage of art at Queen's in the *Review*. Glad to see André Biéler mentioned *en passant*. His art history course was probably the best course I took at Queen's.

**James Shute**, Arts'59  
Professor Emeritus, University of Guelph

## Help find a long-lost host family

Dear editor,

My name is James (Jimmy) Tang Siu-ki. I graduated from Queen's in 1971 (MBA). I came to Canada in September 1969. On the first day of my arrival to Queen's as a foreign student, I was at a loss. Luckily, I was directed to the Queen's University International Centre (QUIC) at the Student Union building for help.

The QUIC located a family to provide me with accommodation in their home for three or four days. During that period, the wife and husband drove me around Kingston for sightseeing and to look for a rental room to stay. They treated me for every breakfast, lunch and dinner. They even took me for a movie. I really appreciate their hospitality and kindness.

I believe the wife's name was either Carol or Cathy but I forget their last name. I remember that she was a third-year student (graduated in 1970?)



As I mentioned in Issue 2, renowned artist André Biéler was a professor and the resident artist of Queen's University from 1936 to 1963 and the founding director, in 1957, of the Agnes Etherington Art Centre. The

Agnes has a number of his paintings including this 1946 work, Kingston Market.



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I am sorry that I can't provide any further information. At that time, I was in a state of cultural shock – to come from a big city (Hong Kong, with more than 4 million people at that time) to a small town of 50,000.

I had been working overseas but am now retired and living in Toronto. I need your help, if possible, to locate the family. I hope that it is not too late for me to tell them how grateful I am.

I can be reached by email (jamestang88@hotmail.com) or phone: (905) 886-9555.

**James Tang, MBA'71**

## On Allie Vibert Douglas

In 1950 when, at 17, I was in Arts'54, students were less sophisticated than they are now and it was appropriate to hold professors in respect.

The Cold War was real. It was difficult to enter the Soviet Union and, I daresay, more difficult to get out. Dean Allie Vibert Douglas and astronomers from Japan and elsewhere were frequent fliers into and out of Moscow.

I had some sort of responsibility in a meeting in which Dean Douglas and the head of the Department of Anatomy at McGill University were guests. The dean and I were early and waiting at one end of the hallway in the Students' Union building. The professor entered from the outside sunlight halfway down the hall and turned towards us. Then he and she began running towards one another, he shouting, "Allie!" and she, "Cecil!"

They hugged one another. I did not know where to look.

**Andrew A. Horn, Arts'54, Meds'57**

## In memoriam: Ken Russell

It was a pleasure to be in Dr. Russell's second-year Physical Chemistry class (1983–84). He treated every student with the greatest respect and was always full of enthusiasm and good humour. He truly was a wonderful man.

**Andrew Davies, Meds'88**

*Read a tribute to Dr. Kenneth Russell by his daughter Celia, Artsci'80, in the digital Review.*

## Re: "Climate action plan"

**Issue 2, 2016**

I was pleased to read that Queen's University has developed a climate action plan to contribute to combatting global atmospheric warming. Upon reading the plan I was encouraged by the concrete steps that the university has initiated to reduce emissions.

However, I am puzzled by the adoption of a net-zero emission goal for 2040.

About eight years ago I discovered an informative bar graph showing the annual per capita greenhouse gas emissions level of the 33 most populous nations. Canada's level of emission is comparable to the United States at 20 tonnes CO<sub>2</sub>e per capita annually. The global average per capita emission level, at that time, was about 4 tonnes. A sustainable level of emission, at that time, was 1 tonne.

So the faculty, staff, and students of Queen's might be considered to be entitled to a sustainable annual GHG emission of about 0.5 tonne CO<sub>2</sub>e (prorating 50:50 home/work allocation of 1 tonne total).

Based on a faculty and staff of about 3,975 people and a full-time enrollment of about 21,700 students, then I estimate that Queen's may *sustainably* emit about 9,200 tonnes CO<sub>2</sub>e annually. Adopting the goal of 9,200 tonnes in 2040 is more realistic and grounded than buying suspect carbon credits.

**Derek Wilson, Sc'71 (Civil), MS.(Northwestern '73), PEng.**

*I asked Aaron Ball, Sustainability Manager, Queen's University, to respond to Mr. Wilson's query. He writes,*

The Queen's CAP was designed to position Queen's as a leader on climate action in the community. The goal of carbon neutrality by 2040 is intended to inspire innovation and encourage our community to take collective action on addressing climate change.

While this goal might be considered aspirational by some, through our lists of potential initiatives we wanted to demonstrate that carbon neutrality can actually be achieved. The identified strategies are options for what we believed to be a possible path forward, based on today's technologies and policy developments. This mix does include the possibility of purchasing offsets as the final solution to bridge the last gap.

It is important to note that our strategies are not intended to be prescriptive, as we recognize the need to be flexible and responsive to advancing technology solutions and opportunities. It will be the task of our implementation committee to assess the viability of a variety of initiatives as the group manages and implements solutions towards achieving each of the milestone targets in 2020, 2030 and 2040. There will be lots of effective projects considered and implemented long before serious discussions are necessary as to whether Queen's should or should not purchase offsets. Additionally, it is quite encouraging to see what is happening at both the provincial and federal level in terms of climate change action.

For now, the focus will be on achieving substantial campus carbon reductions and meeting our first target milestone of 35% in 2020. ■

# Strengthening the research culture at Queen's

BY PRINCIPAL DANIEL WOOLF

We all know that Queen's offers a fantastic student experience, inside and outside the classroom (it can of course always be made better, and we've made considerable progress on a number of fronts in recent years, with our increased support for experiential education and for student mental and physical health). But we're also a research-intensive university, a member of the original Canadian G-10 group of research universities (now the U15), and have, for our size, a relatively high proportion of graduate students and post-doctoral researchers within our community. We have forged institutional partnerships with leading universities across the globe, and our faculty are increasingly involved in major collaborative research initiatives. Our faculty regularly achieve major national recognition such as elevation to the Royal Society of Canada or most recently the Molson Prize, awarded to Professor John McGarry.

This year, we made a major breakthrough in international awards with Art McDonald's Nobel Prize, the ultimate recognition, not only of the work of Art and his collaborators within and outside Queen's, but also for the vision of the SNO experiment's earliest advocates, 30 years ago. As I said in a previous column, we'd like more of these. To get there, however, to become a university as recognized internationally for the outstanding quality of its research in *several* fields, we need to raise our game a bit, and we will need to make some choices.

Earlier this year, Vice-Principal (Research) Steven Liss and I commissioned an external review of our research enterprise and in particular of administrative support for it in order to help us develop a clearer roadmap for research prominence. At time of writing, that report had not yet been received, but I fully expect it to provide some useful suggestions for improvement. We will also be updating our Strategic Research and Academic Plans later this year. Stay tuned to this column for updates and progress reports.

I have spoken often of Queen's distinctive role as a 'balanced academy'. In that balance, research and the student experience should be regarded as complementary, not oppositional. A renewed commitment to developing a research culture needs to involve everyone, including our undergraduate students who hunger for more opportu-



*Principal Woolf with Madhuri Koti and Nichole Peterson in Professor Koti's lab at the Queen's Cancer Research Institute.*

nities to conduct research on their own or as part of a team. I still get a thrill recalling my first time in the Queen's Archives working for the late Professor George Rawlyk in 1979. Such opportunities need to be available across the university, and not just in large labs of our STEM departments and institutes.

Meanwhile, this magazine will continue to feature some of our ground-breaking research. One of our strongest areas, profiled in this issue, is cancer research, both basic science and the clinical testing of drugs. Earlier this summer I was treated to a tour of the Canadian Cancer Trials Group, a multi-university collaboration headquartered at Queen's, and of Professor Madhuri Koti's lab in the Cancer Research Institute. All of these endeavours included undergraduate, graduate and post-doctoral researchers as well as faculty and staff. It was yet another reminder that research, like teaching, is a combination of individual insight and inspiration and collaboration with both one's peers and one's students.

**Postscript:** And, speaking of collaboration, in my last column I referred to a new book entitled *The Slow Professor*, which focused on humanities research. I neglected to mention that the book's co-author (with Professor Maggie Berg) is Barbara Seeber, a Queen's PhD alumna and professor of English at Brock University. ■

# QUID *novi?* \*being a compendium of "what's new" on campus

## New appointments to the Order of Canada



John McGarry

UNIVERSITY COMMUNICATIONS

**John McGarry**, OC, FRSC, a professor in the Department of Political Studies, was named as an Officer of the Order of Canada for his efforts to promote peace and stability in some of the world's most dangerous and conflicted regions. Over the past 30 years, Dr. McGarry has been a leading expert in the study of how political systems are ordered in countries or regions facing deep divisions along racial, ethnic, or religious lines. He has been sought as an adviser or expert by governments and agencies around the globe. Most recently, he has served as lead adviser on power-sharing and governance in the UN-backed negotiations in Cyprus that aim to reunify the island. In July, Dr. McGarry also received the 2016 Thomas Henry Pentland Molson Prize by the Canada Council for the Arts in recognition of his work.

Also honoured in the June 30 appointments were:

**Piers Handling**, OC, Arts'71, LLD'16 (Director of the Toronto International Film Festival) for his success in transforming the TIFF into a fixture of world and Canadian film.

**Isabel Bassett**, CM, O.Ont., Arts'60 (former CEO of TV Ontario/TFO and politician) for her community engagement and commitment to the advancement of women and public service, notably in educational broadcasting.

**Harriet MacMillan**, CM, Meds'82 (Professor, McMaster University) for her work as a psychiatrist and pediatrician who seeks to prevent, reduce and respond to family violence.

**Michel Picher**, CM, Law'72 (labour arbitrator) for his contributions in his field, including the improvement of labour-management relations in several key Canadian industries.

**Deborah Poff**, CM, Artsci'77, (Executive Vice-President and Provost, Pacific Coast University) for her contributions to the success of academic institutions as an administrator, and for her efforts to create educational opportunities for Indigenous peoples.

**Glenda Yeates**, CM, Artsci'80, MPA'81 (former Deputy Minister of Health) for her service within the governments of Saskatchewan and Canada, notably for her immense contributions to maintaining and improving health care for Canadians.



### DAN SCHOOL OF DRAMA AND MUSIC

Read our new electronic ALUMNI AND FRIENDS NEWSLETTER  
[sdm.queensu.ca/newsletter](http://sdm.queensu.ca/newsletter)

Here are some articles that Queen's alumni and friends might like to read:

- Music composition in honour of Nobel Prize winner
- Homecoming – Friday, Oct. 14 – Sing the *Oil Thigh* at the SHOWCASE performance, accompanied by the Queen's Symphony Orchestra.
- The Tragically Hip receive honorary degrees



### OCT. 25 The Page Lectures

The annual Page Lectures series, hosted by the Queen's Department of English Language and Literature, honours the late Kingston writer and artist Joanne Page. Each year, a distinguished writer is invited to give a lecture on the subject of "the page." This year, the series welcomes award-winning poet and novelist John Steffler, who was Parliamentary Poet Laureate of Canada from 2006 to 2008. Watson Hall, Room 517, 2:30–4 pm.





BERNARD CLARK

## New director for Policy Studies

In June, Principal Woolf announced the appointment of David Walker as interim executive director of the Queen's School of Policy Studies, effective July 1. Dr. Walker is a professor and former dean of the Faculty of Health Sciences and is cross-appointed to the School of Policy Studies. He chaired the Province of Ontario's Expert Panel on SARS, was inaugural chair of the Crown Agency Public Health Ontario, was the Alternate Level of Care Lead for the province reporting to then-Minister Deb Matthews, chaired the Principal's Commission on Mental Health at Queen's, and coordinated the planning for the university's 175th anniversary activities.

In addition to Dr. Walker's appointment, Principal Woolf has established a commission to study and develop recommendations for revitalizing Queen's presence in the arena of public policy and as a source of advice to governments, including but not limited to the School of Policy Studies. Membership of the commission will be announced this fall. The commission will seek comprehensive input from Queen's faculty, staff, students and alumni as well as members of the public service community. The commission will submit a report to Principal Woolf by next spring.

## Student Code of Conduct approved

In May, the Board of Trustees approved a revised Student Code of Conduct that forms the foundation for the new student non-academic misconduct system at Queen's. The Queen's University Advisory Committee on Non-Academic Misconduct (ACNAM), chaired by Principal Woolf, began an extensive consultation with the Queen's community in October 2015.

The committee was established following direction from the Board of Trustees for the university to review its current non-academic misconduct policies and procedures with the aim of improving the system to support student safety, health and wellness. The committee included representation from across the university, including three student representatives from the Queen's Alma Mater Society, Queen's Society of Graduate and Professional Students, and a student senator.

The review continued throughout the 2015–16 academic year, concluding in April. Feedback received during this review informed and contributed to the drafting of the Student Code of Conduct. In addition to the consultations held with various groups, the university's community was invited to comment on the revisions to the Student Code of Conduct in April. Read the Code of Conduct online at [queensu.ca/studentconduct](http://queensu.ca/studentconduct).

### IN MEMORIAM

**Sergio A. Bencosme**, Professor Emeritus (Pathology), died May 1.

**Nathan Kaufman**, Professor Emeritus (Pathology and Molecular Medicine), died May 11.

**Derek Bone**, retired professor (Chemical Engineering), died May 14.

**Peter Platenius**, Professor Emeritus (Psychology), died May 15.

**A.C. "Bert" Hamilton**, Professor Emeritus (English), died June 14.

**Anthony Geramita**, Professor Emeritus (Mathematics & Statistics), died June 22.

Please see the digital *Review* for obituaries for Dr. Kaufman and Dr. Bencosme.

If you have memories of these professors you would like to share, please email us at [review@queensu.ca](mailto:review@queensu.ca).

### QUEEN'S UNIVERSITY ELECTIONS

## Results of 2016 Elections to University Council by Alumni

**David Babin**  
Calgary, AB

**Colin Lynch**  
Toronto, ON

**Michael Parsche**  
Ottawa, ON

**David Cook**  
Kingston, ON

**Sana Mahmood**  
Karachi, Pakistan

**Krystyna Williamson**  
Calgary, AB

**Keltie Gale**  
Toronto, ON

**Drew McNaughton**  
Markham, ON

**Alison Holt**  
Toronto, ON

**Susan Moellers**  
Toronto, ON

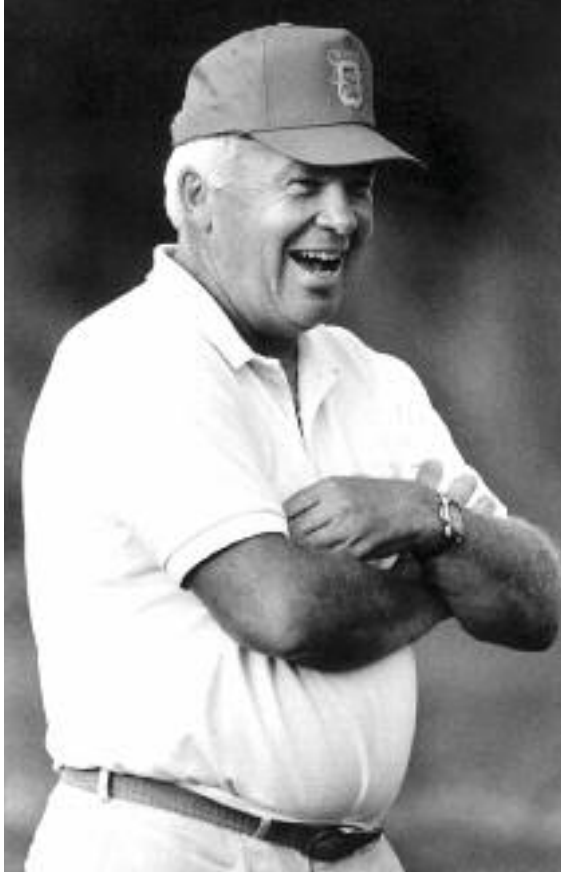


[queensu.ca/secretariat/elections/university-council](http://queensu.ca/secretariat/elections/university-council)



**Queen's**  
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# Out in a 'blaze of glory'



IAN MACALPINE/KINGSTON WHIG-STANDARD

Legendary Queen's football coach Doug Hargreaves (BA'60, LLD'12) died July 5 after a several-year battle with cancer. He was 84.

"I was deeply saddened to hear of Doug's passing, and on behalf of the entire university, I would like to express my sincere condolences to all his family and friends," said Principal Daniel Woolf. "Doug was a very special part of campus and Kingston life for many years, influencing hundreds if not thousands during his lengthy tenure as coach of the Gaels. His presence will live on in the memories and experiences he shared with so many."

Doug Hargreaves, dubbed by the press as "one of the winningest coaches in Canadian college history," led the Gaels

for 19 years, from 1976 to 1994. During that time, the Gaels made the playoffs 16 times, won nine conference championships, three national semi-final Bowl games, played for three Vanier Cups (winning twice!), and finished with an overall record of 110-59-3. He was named Coach of the Year in Canadian college football in 1983, was instrumental in starting the national football coaching certification program and a pioneer in exporting the game overseas. He was the catalyst behind the Queen's Football Hall of Fame and the formation of the Gaels Football Club, an organization for football alumni. For these and other efforts, he received the university's Distinguished Service Award (1995), the John Orr Award (1997), the Jim Bennett Award and an honorary doctorate. He was also named to the Queen's Football Hall of Fame and the Kingston Sports Hall of Fame. As the young would say, "Not too shabby!"

Despite the success, and these many honours, he was understated, modest even. Always upbeat, he put a high value on the quality of play and the integrity of the players, especially the academic, and he was also a great mentor to his assistant coaches. He gave respect, and received it in turn. For many, what made it all work was his equally legendary wit, bitterly ironic humour and his emphasis on the *bon mot*. This may have come from his many years in and around the military (he served for 14 years in the RCAF, several years of which were as a pilot and flying instructor) or from sailing (which he also enjoyed). Both flying and sailing call upon the need to keep one's cool in tough situations, especially as a leader.

Good preparation for a head football coach!

Many of his sayings have become the subject of legend themselves: "The players can't understand why we're losing. They have to remember we're not that good!" Dick Bakker, a member of the '78 Vanier Cup team, called Doug to inquire about his health: this was about two weeks before Doug's death. "He sounded good to me," said Dick, "so I told him: Doug, you sound fine." His reply? "You better get your hearing checked!" There was more than a touch of Yogi Berra, Casey Stengel or Frank Tindall in Doug's wit.

Referring to Frank Tindall, his predecessor, was something Doug Hargreaves did a lot. When Doug retired, he quoted Frank who, in ruminating on Joan of Arc's manner of leaving, had decided that perhaps "a blaze of glory" was not always the thing. One has to believe that the phrase is pretty apt, though, in Doug's case. He was a truly fine guy for whom many, including his former assistant coaches and players, retain an enormous respect. In addition to the many honours, this is perhaps as fine a legacy as any man could wish for and constitutes its own, well-earned, going out in a "blaze of glory." We will all miss him.

## ■ Merv Daub

Professor Emeritus, Business Assistant football coach (1976-78 and 1991)

In the digital *Review*, read another tribute to Doug Hargreaves by John Lynch, Artsci'79, Ed'81, MEd'86, Assistant football coach (1979-87). Plus, we've posted a video tribute created by Lynn Hargreaves in honour of her father.

## Richardson Stadium update

Richardson Stadium has its official opening on Sept. 17, coinciding with the stadium's inaugural football game as the Queen's Gaels host the Western Mustangs. The stadium revitalization project, which began in July 2015, features expanded amenities including new seats and concessions, improved sightlines for fans, state-of-the-art scoreboards, and new video board and sound system. The finishing touches were added this August, as the stadium was converted to artificial turf. The revitalization project began with a lead gift of \$10 million from Queen's alumni Stu, Sc'74, and Kim Lang, Artsci'76. The Richardson Foundation contributed an additional \$5 million to the project, with total donations exceeding \$17 million. The university has invested an additional \$3 million for infrastructure support.



### Gaels 2016 football schedule

- Aug. 21 at McGill  
(exhibition)
- Aug. 28 at Laurier
- Sept. 10 at Guelph
- Sept. 17 vs. Western
- Sept. 24 vs. Toronto
- Oct. 1 at Waterloo
- Oct. 7 at McMaster
- Oct. 15 vs. Windsor
- Oct. 22 vs. Ottawa

Every year, **Queen's travels the world** to attract bright, talented and inquisitive students to join our Kingston and U.K. campuses.

**This fall**, our staff will travel to **more than 1,000 locations** to visit schools, meet counsellors, attend conferences, and host receptions, all to find the right students to join the Queen's class of 2021!

We look to our **alumni and friends** to help us recruit those students.

If you know **bright, talented students** considering their university options, talk to them about Queen's. Let them know about our information sessions this fall in the Greater Toronto Area, Calgary, Halifax, Regina, and Vancouver. We'd love to meet them and talk to them about being part of the Queen's class of 2021.

To see a full list of our Canadian and international recruitment activities, visit **[queensu.ca/admission/events](http://queensu.ca/admission/events)**



# Spring celebrations



Over 21 ceremonies in May and June, 4,528 members of the Queen's class of 2016 became Queen's alumni, celebrating with classmates, family and professors. Find more photos from the spring convocation ceremonies on Flickr: [flickr.com/photos/queensucanada/albums](https://www.flickr.com/photos/queensucanada/albums)

As part of Queen's 175th anniversary celebrations, all 2016 honorary degree recipients are Queen's alumni. Here are some words of wisdom from our newest LLD, DSc and DD degree recipients.



"Accept that success is something best savoured collectively, not individually."

**Gord Sinclair, Artsci'86, LLD'16**

"Trust in your Queen's community: she'll be there for you. She always has been."

**P. Kim Sturgess, Sc'77, DSc'16**

"Look out for that opportunity to help shape someone's path, just like Don did for me."

**Robert Marsh, Com'07** (and past Sobey Scholarship recipient)  
on behalf of **Donald Creighton Rae Sobey, Com'57, LLD'16**

"Be mindful of how you're interacting with others. You can change, not only your own, but others' life courses."

**Debra Pepler, PHE'73, Ed'74, DSc'16**

"Find a major problem – maybe a global problem, a national problem, maybe a local problem... and work to fix it with a passion and a hunger and an urgency as if your life depended on it."

**Ali Velshi, Artsci'94, LLD'16**



"Lead a self-examined life. Dig in. Don't be a carbon copy of what appears to be happiness. Know who you are and you will love the thing you do."

**Wendy Crewson, Artsci'77, LLD'16**

"I encourage you to consider where change is needed and to play your role in initiating those changes that will improve the human experience."

**Eileen Hutton, NSc'74, DSc'16**



"Your task is to wake each day committed to a life of grace, humility, connection, compassion, justice for each other and the natural world."

**Brian Yealland, MDiv'72, DD'16**

"You do not know your own power. Start believing in it."

**Piers Handling, Arts'71, LLD'16**

"You are not in a dress rehearsal of your life to come; you're there already."

**Ronald McCallum, LLM'74, LLD'16**



"First we had atoms and electrons, and then smaller particles became 'supreme-o' Leptons, quarks, muons, bosons, anti-quarks and even the *neutrino!* The neutrinos isolated underground in Sudbury do not have much *size*, But this discovery resulted in Queen's Professor McDonald's... Nobel Prize!"

**Stephen Safe, Arts'62, MSc'63, DSc'16**

■ You can watch Dr. Safe's full convocation poem, as well as the rest of the spring convocation ceremony videos, online: [bit.ly/QAR31656](http://bit.ly/QAR31656)

# Tackling a public health CRISIS

*Researchers at Queen's run the world's first clinical trial using immunotherapy to fight early-stage lung cancer*

BY NANCY DORRANCE

*If Betty Draper, one of the female leads in the retro TV series Mad Men, had been diagnosed with lung cancer today rather than in 1970, her projected life expectancy would be almost the same. Despite dramatic advances in the treatment of other types of cancer over the past 45 years, there have been no such breakthroughs for people suffering from lung cancer: its mortality rate remains higher than breast, prostate and colorectal cancers combined. An international research team aims to change that.*

Starting perplexed at her computer screen in a back office of the Canadian Cancer Trials Group (CCTG) behind Botterell Hall, Carolyn Wilson felt a growing sense of frustration. As the study coordinator responsible for data management on what should have been an enticing new lung cancer study, she couldn't understand why so few people were enrolling.

After all, the trial was testing an exciting and potentially life-saving new treatment for a devastating disease that kills more Canadians each year than any other type of cancer. But the intake figures that she reviewed daily were disappointingly low. Ms. Wilson knew that if the trial wasn't completed in a reasonable amount of time, medical science might move elsewhere and an opportunity to provide the best treatment to patients who desperately needed it would be lost. What could possibly be wrong, she wondered?

### A "big, heavy truck" of an international trial

That question concerned other members of Ms. Wilson's team, too. Although they never meet the patients who enrol in clinical trials, Ms. Wilson and her behind-the-scenes colleagues are committed to providing top technical and administrative support for the CCTG's front-line clinicians and investigators seeking new ways to fight cancer. "Science and research are my passions, and I've always wanted to help improve the quality of patients' lives," says Ms. Wilson, who received her MSc in biochemistry from Queen's in 2004. "This job gives me a great opportunity to do both."

In the end it was Chris O'Callaghan, the senior investigator for the study, who devised an innovative yet simple solution to their problem. Ensuring that enrolment figures stay on target is just one of many challenges he faces on a daily basis – particularly at the beginning of a large study such as this, when treatment centres from countries around the world are coming on board, many with their own unique requirements. "It's a bit like starting a big, heavy truck," he notes wryly. "A lot of things need to be set in motion initially, but once you've got momentum it doesn't take long to build up speed!"

Deciding which direction that truck should go, and ensuring there will be enough fuel to reach its destination, require timely input and collaboration from a number of key people.

University of Ottawa oncologist Glen Goss wrote the initial proposal for the current trial, negotiated with global biopharmaceutical company AstraZeneca for support, and acts as principal investigator for all participating centres worldwide, as well as leading his institution's participation in Canada. Dr. O'Callaghan is the

"point person" responsible for everything related to the study's day-to-day operation and the tracking of results. Other key contributors include CCTG Director Janet Dancey; Lesley Seymour, Director of the CCTG's Investigational New Drug Program; and CCTG senior biostatistician Keyue Ding.

### Building on the work of 30 previous trials

Called BR.31 – because it's the 31st CCTG trial in the "bronchus" (lung) category – this study builds on the findings of its 30 predecessors. Before 2004, people whose tumours had been surgically removed continued to be monitored but received no further treatment. Most saw a recurrence of their disease, and the majority did not survive five years. Positive results from the BR.10 trial, also conducted by the CCTG and published that year, showed that the addition of chemotherapy following surgery reduced patients' risk of death by 30 per cent. Almost overnight, post-surgical chemo became standard practice in the treatment of early-onset lung cancer.

But investigators wanted to move the survival rates even higher. They continued to test other promising leads, including targeted drugs that they hoped would prevent lung cancer cells from growing. Unfortunately, this method didn't benefit the study's focus group: early-stage patients whose cancer hadn't spread and who had been treated with both surgery and chemotherapy.

In 2014, Queen's and the Canadian Cancer Trials Group launched BR.31 to test a new type of immunotherapy drug designed to help the body's own immune system recognize and attack cancer



Chris O'Callaghan and Carolyn Wilson.

BERNARD CLARK

cells. The role of the immune system in fighting diseases, including cancer, has been known for decades. Only recently, however, have researchers identified specific immune mechanisms to target lung cancer cells.

*BR.31 is the first study worldwide to use immunotherapy against lung cancer in early-stage disease.*

Now, at the initiative of principal investigator Glen Goss, a new class of these “immune regulators” would be brought into play. “We’ve seen dramatic responses with this treatment in advanced lung cancers,” says Dr. Goss. “Our study will be the first one worldwide to use immunotherapy against the cancer in early-stage disease – and we hope to show the same successful results.”

### **A public health crisis**

Arguably the least sympathetic of diseases in terms of public fundraising support, lung cancer is nevertheless the most common cancer worldwide and the leading cancer killer in both men and women. Even when diagnosed early, the chances of recurrence range from 30 to 60 per cent and the “cure rate” (survival after five years) is only 19 per cent.

Each year 26,000 Canadians are diagnosed with lung cancer and the vast majority will die of the disease. It has the highest mortality rate of any cancer, accounting for approximately 30 per cent of all cancer deaths: more than breast, prostate and colorectal cancer combined.

Undoubtedly the connection between smoking and lung cancer, first established in the early 1960s, is at least partly responsible for the disease’s low profile and feeble fundraising appeal. That may also help explain why the nine-month prognosis given in 1970 to heavy smoker Betty Draper, a fictional character in the TV series *Mad Men*, would not be much longer today.

Glen Goss believes the impact of decreased smoking in the general population will be reflected soon in a falling incidence of lung cancer. (Approximately 85 per cent of current patients with lung cancer are smokers, which correlates with the incidence of smoking by BR.31 trial participants.) But, “We are very concerned about what appears to be a new type of this disease occurring now in young women who have never smoked,” he says.

This is one more reason why Dr. Goss considers lung cancer to be nothing less than a public health crisis – and why he and his fellow researchers are committed to finding better ways to attack it.

*Principal Daniel Woolf recently toured the CCTG Central Operations and Statistics Office to meet the staff and faculty and learn about their work. There are 100 staff (in trial management, compliance and oversight, administration, finance, strategic partnerships, and information technology) and 12 faculty (medical senior investigators, biostatisticians, scientists) at the CCTG. The BR.31 lung cancer trial is one of 100 clinical trials ongoing at the CCTG. Of those 100, about 40 are open for recruitment for cancer patients.*





## How BR.31 works

So how does the BR.31 drug work? Unlike chemotherapy or targeted drugs, which attack cancer cells directly, immunotherapy is designed to stimulate the body's own immune system to do the fighting. As Dr. O'Callaghan explains, "It is based on the fundamental treatment premise that you want your immune system to think the cancer is foreign and therefore not part of you. Cancer is very good at hiding from the immune system."

One way this happens is through PDL receptors on the surface of the cancer cells, which send a "Don't hurt me!" signal to immune system cells poised to strike. To counteract this manoeuvre, the BR.31 drug, Durvalumab, produces a molecule that sticks to the PDL receptors and blocks their white-flag signal. This enables the body's own immune system to recognize and attack the cancer cells. Another advantage of the new drug is that it also blocks the body's feedback loop which would otherwise slow down the immune reaction, thus delivering a "double whammy" to the tumour.

The researchers hope these agents will generate immune memory cells that will enable a person's immune system to recognize and kill cancer cells if they are re-introduced into the body after treatment has ended. This is the same principle behind vaccinations, such as the one used successfully for measles.

Finally, notes Dr. O'Callaghan, "We know this drug is very safe. Only about three per cent of people taking Durvalumab alone have more seri-

ous side effects – which compares very favourably to other cancer treatments where adverse reactions can be much higher. If I had lung cancer, I would be first in line to be on this study!"

## The enrolment conundrum

Which brings us back to Carolyn Wilson's original question: Why weren't more people enrolling?

"Centres would tell us they were screening for patients, but it was difficult to find people who met the eligibility criteria ... and of those who did, many were declining," says Ms. Wilson. "It seemed very odd."

Each participating cancer centre keeps a screening log that records which studies patients are approached for, as well as a brief explanation if they don't enrol. The BR.31 team needed to extract information from these logs about why patients weren't going on *their* study.

"We tried to keep it as simple as possible and to do it electronically so we could get real-time information," explains Ms. Wilson, who presented the group's solution last spring to an international conference. It was Dr. O'Callaghan's idea to create a simple web-based form – a "screen failure log" – that would generate a spreadsheet to monitor reasons patients were not being enrolled.

Surprisingly, they discovered that the most common ineligibility factor related to the surgery patients had had to remove their tumours.

*"Cancer is very good at hiding from the immune system."*



GREG BLACK

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## Clinical trials protocol

A key requirement for a clinical trial to take place is a written document called a “protocol.” It explains why the trial is being done, how it will be conducted and how participants’ safety will be protected. For example, a protocol outlines:

- Who can participate
  - The type and frequency of medical tests required (e.g., blood tests, X-rays and other imaging)
  - Length of the trial and how participants’ progress will be monitored
  - Details about the treatment and potential side effects
  - How effectiveness of the treatment will be measured
  - Follow-up
- 

It turned out, in some cases, that although the surgery had indeed been done, details that were part of the trial’s written protocol had not been documented, or an extra required step not completed.

“We were able to collect the data quickly and present our findings to the trial’s surgical steering committee,” says Ms. Wilson. “They decided that since this was an immunological rather than a surgical study, they could change the eligibility criteria to better reflect current practice, and allow these patients to participate.”

After the committee agreed to protocol amendments and the changes were implemented, enrolment increased by 53 per cent.

The next most common reason for patients not being enrolled was their decision to decline. The screen failure logs showed this was due to two things: the frequency of required therapy visits and the costs associated with coming for treatment, such as transportation, parking and meals.

AstraZeneca, the company providing Durval-

*Here at home, positive results from BR.31 would lead to submissions to Health Canada for licensing of Durvalumab to become the standard of care for early-onset lung cancer patients who have had their tumours surgically removed.*

umab for BR.31, came to the rescue on both counts. Their own research showed that administering the drug 13, rather than 19, times over the same 12-month period was equally effective. Patients’ treatment schedules have now been changed.

As well, says Ms. Wilson, since participants are often reimbursed for costs associated with study treatment visits, “We presented our data to AstraZeneca and requested additional funding for this purpose. They’ve agreed to help ... so we’re hopeful this will be another boost to enrolment. Our bottom line is finding ways to increase patient access to this promising new therapy.”

## A worldwide study

In response to the notion that researchers are “in cahoots” with Big Pharma, both Drs. Goss and O’Callaghan describe the relationship between CCTG and their industrial partner as one of mutual interest. “We approached AstraZeneca with the concept of doing this trial in an as-yet untested patient setting, and they agreed to provide both the drugs and funding for us to conduct the trial independently, as well as collecting and analyzing the data,” says Dr. Goss. “If the trial is positive, the company may then present the results to regulatory authorities around the world as the unbiased results of independent academic researchers.”

Since BR.31 will be conducted in 15 countries once all centres are up and running (with Canada, France, Spain, Australia, Japan and Italy the biggest participants), this final step is key to generating global changes in treatment. Having participants from so many different countries not only casts a wider net for recruitment, it also hastens international exposure of the findings, Dr. O’Callaghan points out. “And there are benefits with regulatory bodies, too,” he adds. “For example, both China and Japan will only approve drugs that have been tested within their borders.”

Here at home, positive results from BR.31 would lead to submissions to Health Canada for licensing of Durvalumab to become the standard of care for early-onset lung cancer patients who have had their tumours surgically removed. The

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## Types of clinical trials

The most common type of cancer clinical trials involves some sort of treatment – and both surgical and immunological trials are examples of these. (Other types of clinical trials include: prevention, screening and early detection, diagnostic, and supportive care.)

**Surgical trials** test new techniques and timing of surgical procedures, such as removal of the cancerous tumour as a first step in treating early stage lung cancer.

**Immunological trials**, also called biological therapy, test new treatments to stimulate and restore the body’s own defences (immune system) against a particular type of cancer or to target specific molecules involved in cancer cell growth.

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Phase III trial is expected to be completed within the next five years.

Another potential breakthrough could come from a second group of trial participants whose tumours have been surgically removed, but who have declined chemotherapy. These patients are being treated and followed with the same protocol as those who chose to receive chemo, says Dr. Goss, and their presence in the trial is “stratified” to ensure that this factor does not affect the overall findings.

“If this group does just as well as the group that did receive chemotherapy, we may be able to advise dropping it from standard treatment, and enable patients to move from surgery right to immunotherapy. That possibility has us excited, too!”

### Bringing new hope

*Imagine you have just been diagnosed with lung cancer. Imagine the doctor tells you that – even though it’s in the early stages and can be surgically removed – the odds of your making a complete recovery are only 50-50.*

*Imagine your excitement when you learn about a clinical trial that is testing a new treatment which uses your own immune system to fight the cancer. Imagine ... new hope, for you and your family.*

Patients with early-stage lung cancer account for approximately a quarter of all lung cancers today. “These are the people in whom we have the best chance of improving the cure rate,” says Dr. Goss. “This is the group that BR.31 is targeting.”

Evidence of an improved cure rate resulting from immunotherapy would translate into a major change in the way this cancer is treated in Canada, the U.S., and internationally. It could push the needle dramatically upward on life expectancy statistics that are now stuck in the 1970s.

But whatever the final results of BR.31, the men and women of the Canadian Cancer Trials Group will continue to initiate and coordinate new studies, working with partners around the world to lead the fight against cancer. From back offices and laboratories to the front lines treating patients, it remains an enduring and compelling quest for the CCTG team. ■

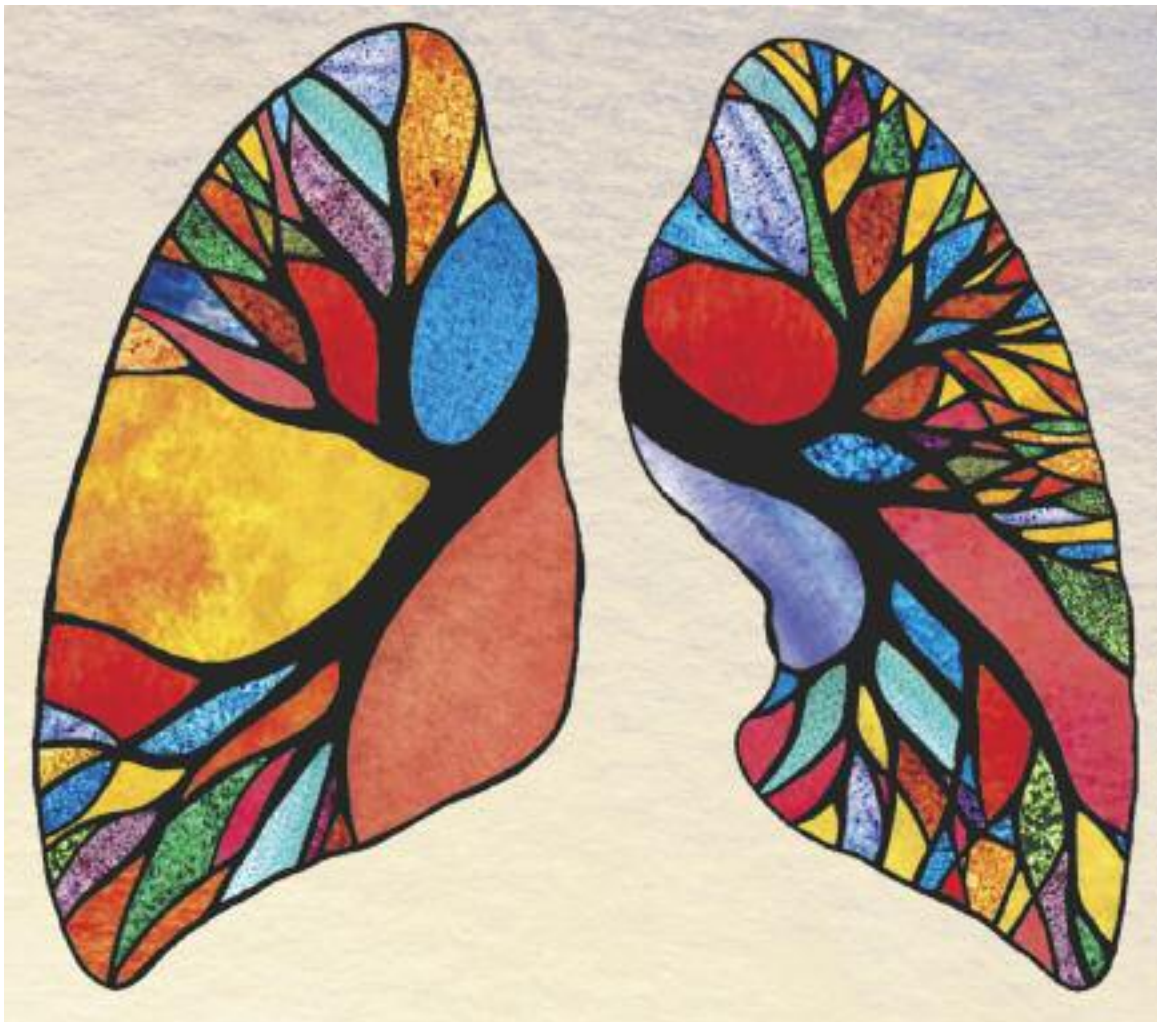


ILLUSTRATION BY JULIA KROLIK (MSc'14), ART THE SCIENCE. ARTTHESCIENCE.COM

*In her work Through the Breathing Glass, Julia Krolik shines a warming light on the complexity and stigma of lung cancer. The window represents hope in the form of novel treatments, with bronchioles extending into a multitude of possibilities.*

# Cancer trial phases

Researchers at CCTG conduct Phase I, II and III trials. BR.31 is an example of a Phase III trial.

## Phase I – is it safe?

Phase I clinical trials set out to determine whether a drug has toxic side effects. Cancer patients who enter Phase I trials have often exhausted all other options and are open to trying an unproven treatment.

## Phase II – does it work?

Often conducted concurrently with Phase I trials, Phase II trials test whether the drug is living up to its initial promise and doing what it's supposed to do.

## Phase III – does it work better?

The final, definitive test of a drug is the Phase III trial, in which researchers pit it against the standard treatment to see if it improves on what is currently available to patients.

*Positive results from the BR.31 trial would lead to submissions to Health Canada for licensing of Durvalumab to become the standard of care for early-onset patients who have had their tumours surgically removed.*

## Cancer stats

- On average, 539 Canadians will be diagnosed with cancer every day.
- On average, 214 Canadians will die from cancer every day.
- Between 1992–1994 and 2006–2008, survival rates increased from 56% to 63% for all cancers combined.

Source: Canadian Cancer Society, 2015



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Canadian Cancer Trials Group

A national program of the **Canadian Cancer Society**

# CCTG discoveries

Starting with the simple act of asking a thoughtful question, CCTG clinical trials have led to hundreds of innovations that have changed cancer treatment practices and prolonged lives around the world. Here are just three examples.



## Laparoscopic surgery for colon cancer

**Trial Name:** CO.12

**Conducted:** 1996–2001

**Background:** “Surgical clinical trials are most often about seeing if we can get by with less surgery,” says Janet Dancey, CCTG Director. “Laparoscopic surgery is far less invasive than standard surgery.”

**Question:** Is laparoscopic surgery as safe and as effective as standard surgery for colon cancer patients?

**Trial:** One group received laparoscopic surgery; one group received a standard colectomy.

**Answer:** “It takes longer to do a laparoscopic procedure, but in the right hands, with the right experience, it can be as good a cancer operation as a standard operation, and the recovery time is much faster,” says Dr. Dancey. “And that’s what the trial showed.”

## Chemotherapy for advanced breast cancer

**Trial Name:** MA.16

**Conducted:** 1997–2001

**Background:** “High-dose chemotherapy was a practice that was ongoing in many centres in the U.S. for advanced breast cancer patients,” says Wendy Parulekar. “Canada did not widely adopt that. It’s not a small pill like an aspirin. Some of the side effects are fatal.”

**Question:** Is high-dose chemotherapy a useful treatment option?

**Trial:** One group received high-dose chemotherapy in addition to stem cell therapy; one group received only the standard chemotherapy.

**Answer:** “We believed that high-dose chemotherapy was not appropriate for women with advanced breast cancer,” says Dr. Parulekar, “and the study showed we were right. It wasn’t just dangerous, it was also ineffective.”

## GDP as salvage chemotherapy for non-Hodgkin lymphoma

**Trial Name:** LY.12

**Conducted:** 2003–2012

**Background:** “About 50 to 60 percent of lymphoma patients are cured with aggressive chemotherapy,” says Lois Shepherd. “But the remaining 40 percent either never respond to treatment or they relapse. These people are then considered for stem cell transplant. Before the transplant, though, patients had to undergo an extremely toxic chemotherapy regimen. Patients would become very sick and end up in hospital.”

**Question:** Would a milder version of chemotherapy be just as effective as the aggressive version, but without the unpleasant side-effects and costly extra hospital visits?

**Trial:** One group received the standard chemotherapy treatment plus the stem cell transplant; the other group received the transplant after a milder treatment, called GDP.

**Answer:** The trial showed that GDP was as effective as the standard treatment, but far less toxic. GDP has since been adopted as the standard of care across Canada, Australia, and much of Europe.

*This information is excerpted from “Leading the World to New Cancer Treatments: a Case for Supporting the Canadian Cancer Trials Group.” (2016)*

Oncology

# A team effort

*Young investigators team up with mentors to take on the most pressing questions in cancer research.*

BY MARK WITTEN

Epigenetics

Pathology



*Victoria Hoskin  
and Lois Mulligan*

**M**ost of us know about genetic mutations, like those in the BRCA1 gene inherited by Angelina Jolie, which dramatically increase a woman's risk of developing breast or ovarian cancer. If you inherit a genetic mutation, you're more or less stuck with it. But Devon Boyne is doing leading-edge research in cancer and epigenetics, a red-hot field in science that investigates how cells switch genes on and off. Unlike inherited genes, epigenetic processes can be modified by lifestyle, dietary, and environmental factors.

"My research is looking at how lifestyle choices can affect your epigenetics and cancer risk. The aim is to help guide cancer prevention efforts at the population level," says Mr. Boyne, an MSc student (Epidemiology) in the Queen's Transdisciplinary Training Program in Cancer Research, an innovative program established in 2002 to produce future leaders in translational cancer research in Canada.

Like all students in this unique program, Mr. Boyne was expected to develop a cancer research question that involves several research areas and he was supervised by multiple mentors with the different kinds of expertise needed to address the problem.

### Moving across diverse fields

For his master's thesis project, Mr. Boyne asked how certain lifestyle choices might be related to epigenetic changes thought to predispose women to developing cancer. He tackled this key question in a fresh way by drawing on diverse scientific disciplines and experts to help answer it. Mr. Boyne was supervised by Will King, a Queen's molecular epidemiologist who studies environmental factors in relation to epigenetics and cancer risk and Christine Friedenreich, a University of Calgary researcher who has led pioneering studies showing that physical activity helps prevent and control cancer. He was also assisted by John McIntyre, a molecular biologist at the Tom Baker Cancer Centre in Calgary, and scientists at the McGill University and Génome Québec Innovation Centre who have specialized expertise in epigenetic analysis of DNA from blood samples.

As an undergraduate at Laurentian University, Mr. Boyne had majored in music. But he also chose electives in statistics, medical geography and public health that reflected his avid interest and ability to move easily across diverse fields. "The transdisciplinary program has been a

## Biostatistics

great learning environment, especially for someone new to this field, like me. I've been fortunate to have had exposure to various types of cancer research through my interactions with other trainees, mentors and visiting scientists – on everything from the delivery of health services to the cellular pathways that drive tumour development. The program has really helped me to appreciate the importance of communicating and collaborating with researchers from different backgrounds."

### Flipping gene switches on and off

For his epigenetics study, Mr. Boyne used information from Dr. Friedenreich's Alberta Physical Activity and Breast Cancer Prevention (ALPHA) trial, involving 320 post-menopausal women, aged 50 to 74 between 2003 and 2007. He applied sophisticated data analysis techniques to measure how changes in two known breast cancer factors – body fat and sex hormones – can affect an important epigenetic process, called DNA methylation, that flips gene switches on or off. This mechanism is important because certain changes in DNA methylation – such as turning off a tumour suppressor gene – can lead to cancer.

DNA was collected from the ALPHA Trial women's frozen blood samples, and Génome Québec scientists measured the DNA methylation levels and Mr. Boyne had the raw epigenetic data needed for his analysis. "I found associations between body fat, estrogen and changes in DNA methylation. This might help to explain why certain people get cancer while others do not. My research also suggests that, even in older populations, lifestyle can affect epigenetics. This is promising because it suggests that an epigenetic predisposition can be potentially modified or reversed through positive lifestyle changes," he says.

Mr. Boyne has submitted two papers to academic journals from this initial research and is now working with Drs. King and Friedenreich to investigate directly whether a yearlong aerobic physical activity intervention has an effect on

DNA methylation in healthy, inactive, post-menopausal women. "This is a really new topic and being on the cutting edge is exciting. It's also a huge learning experience, which has helped prepare me to work on a transdisciplinary cancer research team," he says.

## Molecular biology

## Epidemiology

## The changing world of cancer research

The transdisciplinary training program was designed by founding director Lois Mulligan and her colleagues to bring together cancer researchers who would not normally work in the same environment. Dr. Mulligan sees it as an opportunity for

*Each student in the program develops a research question that involves several research areas. Each is supervised by multiple mentors with different kinds of expertise.*

young investigators – including graduate students, post-PhD and post-MD fellows – to get a distinctive type of training and hands-on experience that will best prepare them for how cancer research is increasingly being conducted today and the direction in which it's moving.

"Each of the students has a multidisciplinary, translational experience in what they learn,

who they learn it from, and how they take their research forward. The cancer research world has changed.

We're teaching our students how to be part of that world and giving them the tools to contribute to it," says Dr.

Mulligan, a principal investigator in the Cancer Biology and Genetics Division, Queen's Cancer Research Institute.

As well as collaborating with senior cancer research mentors from multiple fields, students doing research in diverse areas work closely with

## Epigenetics

## Molecular biology

each other for weekly journal clubs and seminars. "Students learn to feel comfortable talking about their own narrow field of study to wider audiences. This will be helpful and important when they communicate their research to the public, the media, funders, or future employers and collaborators," says Dr. Mulligan.

About 100 students have completed the program and following their training they have become clinician-scientists, academic researchers, data analysts or found positions in the pharmaceutical industry, where there is a big demand for graduates with translational research skills and knowledge. "This program is a great stepping stone for students in their future careers," says Dr. Mulligan.

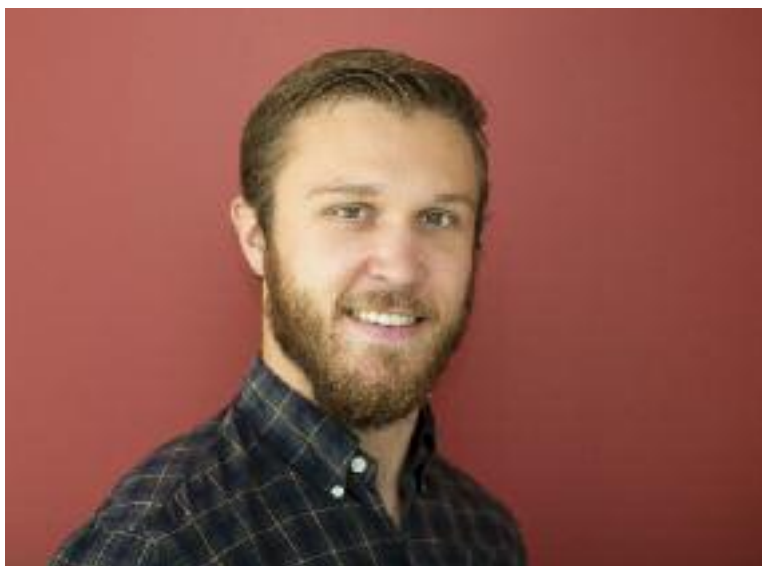
## Epidemiology

### A fast track to discovery

For post-doctoral fellow Victoria Hoskin, the Queen's Transdisciplinary Training Program has opened up a fast track to translating her basic findings in cell biology into an important discovery with promising clinical applications for cancer patients. As a PhD student in the program with a cell biology background, Dr. Hoskin was interested in studying proteins involved in metastasis, the spread of cancer cells from one part of the body to another.

"A lot of cancer patients don't die because of the primary tumour but from the spread of the disease. About 90 per cent of cancer deaths are due to metastasis and the ultimate goal of my research is to find better ways to stop the spread of cancer," she says.

As a trainee, Dr. Hoskin has benefitted immensely from Queen's cancer research mentors who span multiple disciplines. This has led to fruitful transdisciplinary collaborations on the metastasis problem, and these have progressed in exciting and, at times, unexpected directions. Her primary supervisor is cancer biologist Bruce Elliott, an expert in studying proteins involved in cancer metastasis. Her collaborations with pathologists Sonal Varma and Sandip SenGupta and medical oncologist Yolanda Madarnas gave Dr. Hoskin access to breast cancer patient samples and an anonymized medical database containing information such as breast cancer sub-type and



Devon Boyne

GARRETT ELLIOTT



treatment regimens, as well as invaluable guidance from a clinical perspective.

"The program is fantastic for students because it fosters a collaborative network between basic scientists and clinicians. It opens up your mind to think about research questions from new angles, leading to different areas of research that a trainee may not have ventured into without that type of collaboration," she says.

### The importance of a protein

As a basic scientist, Dr. Hoskin began studying a protein called ezrin and showed, at the molecular level, how it plays an important role in promoting the spread of breast cancer to other parts of the body. On the pre-clinical side of her research, she has found that estrogen receptor-positive breast cancer cells with higher levels of ezrin are more resistant to anthracycline drugs, a traditional chemotherapy for breast cancer patients. Clinically, she discovered a link between high ezrin levels and poor outcome in patients with estrogen-positive breast cancer.

"I've developed an appreciation for the clinical challenges that face cancer patients. Clinical science questions are now driving basic science questions for me as a result of the cross-talk between basic scientists and clinical research scientists," she says.

As part of her post-doctoral studies in the program, Dr. Hoskin is now using pre-clinical models to test the effectiveness of a new commercially available drug that blocks ezrin to treat breast cancer cells with high levels of that protein. "You have to go down the road where the science takes you – we want to investigate whether using ezrin inhibitors in combination with traditional chemotherapy can help overcome resistance to treatment."

One promising possible clinical application of Dr. Hoskin's research would be to use ezrin as a predictive biomarker. "We want

to know if ezrin can predict relapse and if so, patients at high risk of relapse could benefit from being treated more aggressively initially. We also want to find out if ezrin can predict a patient's response to treatment, whether it will be poor or good," she says.



Victoria Hoskin

GARRETT ELLIOTT

Pathology

Biology

Oncology

### From one collaboration to another

Like all trainees in the program, Dr. Hoskin is expected to present a seminar on her research to a broader audience of students and faculty beyond her own narrow field of study. When she presented her findings on ezrin as a potential high-risk biomarker for the spread of breast cancer

at the 2015 Queen's Cancer Research Institute retreat, her work caught the attention of David Berman, a prostate cancer scientist and director of the Queen's Cancer Research Institute. That cross-disciplinary exchange of ideas led to a new collaboration with Dr. Hoskin's supervisor, Dr. Elliott, and Dr. Berman.

"Dr. Berman was interested in looking at ezrin in a prostate cancer model after hearing my presentation. Now the Elliott lab and the Berman lab are working together on that," says Dr. Hoskin.

That's the kind of synergy Lois Mulligan likes to see. "The work Victoria has done, bringing together the combined expertise of biologists, pathologists and oncologists, is not only advancing our knowledge of breast cancer but can be translated to other forms of cancer. It will spur on new lines of inquiry, and new collaborations."

Dr. Mulligan has high hopes that, with continued funding of the program in the next few years, these young investigators and their mentors will transform Canadian cancer research. ■

*"You have to go down the road where science takes you."*

# Living life honestly



**K**aren Nicole Smith, Artsci'08, was already living with kidney failure and heart failure when she was diagnosed with a rare cancer. "I *thought* I knew, as a person living with two serious chronic illnesses, and having gone through several medical crises, what my future would be like."

But when she was given the cancer diagnosis, she was surprised at how powerfully damaging this new condition would be. It touched her personally, professionally, and psychologically. She found her worldview, already coloured by chronic illness, deeply altered. "I found a profound new depth of consideration and honesty in living," she says.

Ms. Smith is the community outreach coordinator for the Standardized Patient Program at Queen's University. The program provides realistic training experiences for medical, nursing and rehabilitation therapy students, allowing them to practise their skills before working with "real" patients.

She also volunteers as a patient experience advisor at Kingston General Hospital, bringing her own perspective as a recipient of health-care services to ameliorate hospital services for others.



## On breaking bad news to a patient

"My own doctor would have aced his clinical education session on breaking bad news. He was optimistic without giving me false hope. He was compassionate without crossing the patient/doctor lines. He gave me time to process by giving me information and then pausing to let me take the information in.

"It was clear that he felt for me. He faltered a little – evident in an awkward moment here and there. I think those moments meant the most to me, though. They reminded me that I was speaking to a human being who could – or perhaps could not – imagine what getting this diagnosis felt like. I like both sides of that. The side where I know that my doctor is trained to take care of me. I also deeply appreciate that, beyond being my doctor, this is fundamentally one human being communicating with another about a hard topic. **The conversation does not have to go perfectly. The communication just has to be real.**"





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## On being brutally honest

"I've always felt confident to share my perspective in my role as patient experience advisor. I sat in on multiple committees or forums and shared my perspective on what I'd experienced in health care and what I think could be done to improve it.

"After experiencing cancer, I felt compelled to share at a deeper level. My instinct to cushion the reality of my perspective disappeared. Being mindful of doctors' and executives' feelings became trumped by an instinct to share the depth of the experience – for what it could do for other patients. I finally had my priorities straight. Helping my fellow patients trumped being cautious. From the perspective of not being cautious, I know I run a risk of being harsh. If the point is to communicate, a harsh truth will have more impact than a careful half-truth."

## Five ways you can be your own best advocate as a person living with a serious illness

- 1 Ask for what you need** from your friends, family and your health-care team. Communicate with them as honestly as you are comfortable to.
- 2 Treat yourself.** I make sure there are things in life to look forward to. It can be as simple as listening to your favourite music, eating a meal you love, wearing something fabulous – whatever gives you a positive boost.
- 3 Set yourself up for success...** whatever success is for you. In my case, dealing with the obstacles of health challenges, and all they entail, I have to keep myself sane. My formula for sanity is part spiritual and part physical. I recalibrate myself daily with positive reading, morning yoga meditation and tough sessions at the gym. Take the time to learn what works for you – and then do it.
- 4 Keep challenges in perspective.** Despite the gravity of all three of my health challenges, I don't give any one of the three my full focus. If I must focus on some aspect of my health, I make sure that my energy is balanced out with other positive, normal life things.
- 5 Understand your role in health care** – and that you *can* have a role. This can take the form of sharing your perspective with health-care professionals. It can be reaching out to the person beside you in the waiting room who looks terrified. We can all contribute to making things better for others who are going through what we're dealing with. It can make even the most disruptive health challenge positive.

■ Karen Nicole Smith

BERNARD CLARK

# Empowering cancer survivors

Following the completion of their cancer treatment (which could include surgery, chemotherapy or radiation therapy), people living with cancer move into a new phase, of survivorship care. Often, neither they nor their primary care practitioners are familiar with all the aspects of this type of care.

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## Four components of survivorship care

- Prevention of recurrent and new cancers and late effects of cancer treatment (e.g., exercise, nutrition, smoking cessation)
  - Surveillance for recurrent and new cancers and late effects of cancer treatment (mammogram, medical history, physical examinations)
  - Interventions for long-term effects of cancer and its treatment (e.g., management of pain, lymphedema, fatigue, distress).
  - Coordination of care between primary care providers and specialists (e.g., use of survivorship care plans and referrals).
- 

Marian Luctkar-Flude's research is changing that. A lecturer and instructor in the Queen's School of Nursing since 2001, Dr. Luctkar-Flude's doctoral research looked specifically at breast cancer survivors and the after-care they received from their primary care practitioners.

"When I started my PhD, there wasn't a single comprehensive guideline that addressed all of these issues. My work synthesized recommendations from 30 published guidelines into one document."

Since the publication of Dr. Luctkar-Flude's recommendations for breast cancer survivorship care in the primary care setting, the American Society of Clinical Oncology published a comprehensive guideline for breast cancer survivorship care that addresses the four domains of survivorship care and the many issues relevant to primary care.

## On the long-term effects of cancer

"Even after cancer treatment has finished, patients can experience fatigue, distress, depression, pain and memory loss. Both cancer survivors and their primary care practitioners should be aware of these effects and discuss options for addressing

them. They should know what resources are available and rule out other possible causes of symptoms, such as anemia, in the case of fatigue.

"Physical activity has been shown to be very effective in addressing many of the survivorship needs, including fatigue. In the past, doctors would tell cancer survivors to rest. Now we know that any level of physical activity for this population is better than being dormant."

## What is cancer fatigue?

"Cancer fatigue is the most common and most debilitating symptom that cancer patients report. It can be more distressing than cancer pain and it's pervasive across all types of cancer and through all treatments. It gives you a cognitive and emotional sense of fatigue, and affects your whole being, your whole life. It's not proportional to activity level – you can be sitting down all day and be totally exhausted. And it can persist for years. When people are diagnosed with cancer, they often don't expect that after they complete treatment they won't necessarily return to normal functioning. Often, family members and employers don't expect the level of fatigue experienced by the patient, either."

## How can cancer survivors effect their own survivorship care?

"It's important that survivors are aware of the specific treatments that they've had and the potential complications that can occur years down the road so that they know what to look for and what to report to their primary care practitioner (PCP).

"They should be aware that fatigue, anxiety and sexual problems are common and they should bring up these issues with their PCP so that they can get help. I'm now working with a group of women from Breast Cancer Action Kingston (BCAK) to develop a survivor version of the guidelines that can help them to manage their own care."

*In the digital Review, learn more about Dr. Luctkar-Flude's research on survivorship care and the next steps for her research. ■*



BERNARD CLARK



# Making cancer cells lose the battle

*The discovery of an immune-based biomarker will influence treatment options for women with ovarian cancer*

**M**adhuri Koti, from the Departments of Biomedical and Molecular Sciences and Obstetrics and Gynaecology, has discovered an immune-based biomarker that will help lead to better predictions of the success of chemotherapy in ovarian cancer patients, a discovery that could lead to better treatment options in the fight against ovarian cancer.

“Recent successes in unleashing the immune system to combat cancer are evidence for the fight between a patient’s immune responses and cancer and how we can take advantage of the associated events towards making the cancer cells lose the battle,” explains Dr. Koti. “Many of these newer treatments are based on boosting anti-cancer immunity via a single agent or combination therapies that can be overlaid on the standard treatment regimes. Cancer immunotherapies would prove to be most effective when coupled with biomarkers that can predict a patient’s eventual response to the specific therapy, which is key to personalized medicine.”

Ovarian cancer leads to approximately 152,000 deaths among women worldwide each year, making it a leading cause of gynaecological cancer-related deaths in women.

Dr. Koti conducted the first biomarker study in retrospective cohort of more than 200 ovarian cancer patients. This study utilized a combination of recent cutting-edge and more established detection technologies used for identifying such markers from patient samples. Initial discovery of these markers was made using frozen tumour tissues accrued from tumour banks such as the Ontario Tumour Bank, the Ottawa Health Research Institute, and

Gynaecology-Oncology and Pathology services of the CHUM Hospital Notre-Dame, Montreal. The findings from the first study were published in the *British Journal of Cancer*.

The second independent biomarker validation study conducted on tumour samples, accrued from retrospective cohorts of more than 550 ovarian cancer patients, further confirmed the findings and, most importantly, revealed the significant role of this biomarker in bringing cancer-killing immune cells to the tumour environment. The samples used in the study are banked at the Pan-Canadian tumour repository at Terry Fox Research Institute-Ovarian Cancer Canada, partnered with the Canadian Ovarian Experimental Unified Resource.

A major impact of this discovery is that these novel markers, when used at the time of treatment initiation in the specific groups of ovarian cancer patients, will help gynaecologic oncologists make decisions on additional treatment strategies needed for these patients towards increasing the potential for patient survival. Using patient-derived material and animal models, Dr. Koti’s lab at the Queen’s Cancer Research Institute is now exploring genetic factors and mechanisms that underlie the distinct tumour-immune landscapes in ovarian cancer patients.

The study was conducted in collaboration with Drs. Anne-Marie Mes-Masson, Centre de Recherche du Centre Hospitalier de l’Université de Montréal, Montreal, and Jeremy Squire, Faculdade de Medicina de Ribeirão University of Sao Paulo, Brazil. The findings from the second study will be published in *The Journal of Pathology: Clinical Research*. Funding support for this study was provided by the Cancer Research Society.



*“Cancer immunotherapies would prove to be most effective when coupled with biomarkers that can predict a patient’s eventual response to the specific therapy, which is key to personalized medicine.”*

*Dr. Madhuri Koti (left) and lab technologist Nichole Peterson.*

GREG BLACK



## CCTG trials recognized as best in the world

Two cancer trials conducted by the Queen's University-based Canadian Cancer Trials Group (CCTG) and lead scientific investigators Chris O'Callaghan and Wendy Parulekar have been recognized as among the highest impact studies in the world.

Papers on the two trials were included in the plenary session of the American Society of Clinical Oncology (ASCO) annual meeting in Chicago in June.

"The papers that are chosen represent the best and most significant advances in cancer treatment and care, with the greatest potential influence," Dr. O'Callaghan says. "Only four papers were chosen for the ASCO plenary session out of more than 5,000 submissions – to have two selected from one research organization is a rare achievement."

Dr. O'Callaghan was the senior investigator on the CE.6 trial that examined the use of the cancer drug temozolomide in the treatment of glioblastoma, an incurable form of brain cancer. The trial found that adding the drug to a shortened course of radiation therapy, followed by monthly maintenance doses, significantly improved the survival rate of elderly patients.

The drug reduced the risk of death by 33 per cent, without loss of quality of life.

Glioblastoma is the most common primary brain tumour in adults and is one of the major causes of cancer death.

The co-principal investigators are Dr. James R. Perry (Sunnybrook Health Sciences Centre) and Dr. Normand Laperriere (Princess Margaret Cancer Centre).

Dr. Parulekar supervised the MA.17R trial that discovered extending therapy with a commonly used hormone drug called an aromatase inhibitor from five to 10 years in postmenopausal women with early breast cancer reduces the risk of recurrence by 34 per cent.

"This is the first study to report the impact of extended aromatase inhibitor therapy on breast cancer recurrence, side effects and quality of life in women with receptor-positive breast cancer," says Dr. Parulekar. "Based on the results of this trial, women and their health-care providers can make an informed decision about taking this type of treatment beyond five years, which is the current standard of care. The results of this study will immediately impact treatment practices on a global basis."

Both trials were made possible through partnership of patients with a consortium of international cancer clinical trials groups.

## Remembering a tenacious and passionate researcher



PHOTO COURTESY OICR

The life and work of Mark Ernsting, BSc'99, are being honoured by his colleagues in cancer research. Dr. Ernsting, who died tragically in December 2015, studied chemical engineering at Queen's before going onto complete his PhD in biomedical engineering at U of T. A senior biomedical engineer at the Ontario Institute for Cancer Research, Dr. Ernsting invented breakthrough technology to fight cancer. He was developing nanomedicines to provide specific drug delivery to cancer tumours, minimizing toxicity to patients. He was an early recipient of seed funding for his research from Fight Against Cancer Innovation Trust (FACIT). FACIT brings together scientists, partner institutions and other key players involved in the commercialization of life science innovations in Ontario. Its goal is to help inventors and researchers transform cancer innovations into viable opportunities. This summer, the FACIT annual pitch competition for promising oncology research ideas (formerly called the Falcons' Fortunes pitch competition) was renamed the Ernsting Entrepreneurship Award in

honour of Dr. Ernsting. Jeff Courtney, FACIT's CCO, paid tribute to Dr. Ernsting when making the announcement of the name change. "Mark was a compelling and expressive communicator," said Mr. Courtney. "He was incredibly passionate as well as tenacious about accelerating scientific ideas... He possessed a keen awareness of the business aspects needed for great science to make it to the market. This translated into a drive to learn about commercial paths and find ways to complete the necessary steps in order to make his goals a reality.... Mark Ernsting exemplified all that the Falcons' Fortunes pitch competition strives to encourage and achieve. And therefore, the FACIT team unanimously agreed it would be fitting to name the award after Mark, helping also to ensure his memory and "never give up" attitude live on in the Ontario cancer research community." This fall, members of the cancer research community, who remember Dr. Ernsting as a great colleague and friend as well as a brilliant scientist, will gather for the inaugural Mark Ernsting Drug Discovery Memorial Lecture in Toronto. ■



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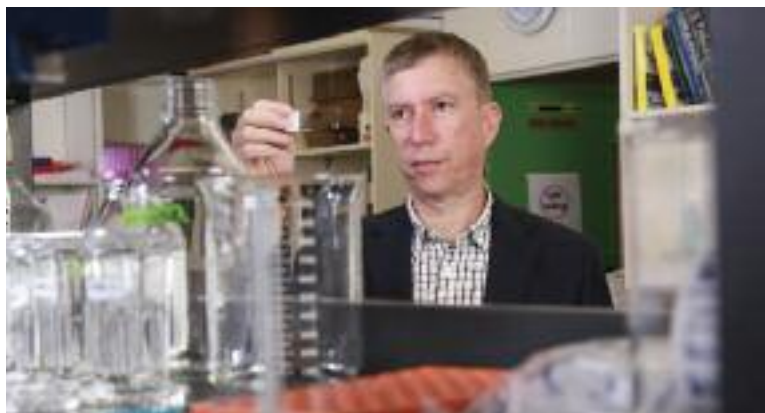
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# Where medical science meets patients

BY TIM LOUGHEED



BERNARD CLARK

David Berman, Director, Queen's Cancer Research Institute, Principal Investigator for the QCRI's Cancer Biology and Genetics Division.

When his father was diagnosed with prostate cancer in the mid-1990s, the news struck David Berman in both a personal and a professional capacity. Dr. Berman was still a pathology resident at Johns Hopkins University, but he closely followed his father's course of radiation and hormonal therapies, which appeared to beat back the cancer. He was, therefore, surprised by his father's sudden death in 2015, which an autopsy subsequently traced to prostate cancer that had spread to, and almost completely compromised, the vital function of the liver.

For Dr. Berman, such a finding goes to the heart of his current work, which is dedicated to unraveling the challenges of dealing with prostate cancer. All too often, this disease can be present without causing any serious symptoms or requiring any active treatment; yet this relatively benign form can co-exist with a much more aggressive form that will grow and spread to other parts of the body. He and his laboratory team are therefore seeking molecular markers that would serve as the basis for the kind of tests pathologists need in order to assess the risks associated with each man's form of the cancer. These new tests should help doctors and patients choose the most appropriate course of action without subjecting them to unnecessary treatment.

In 2014, Dr. Berman was part of a group of researchers that received a five-year, \$5-million Movember Team Grant from Prostate Cancer Canada for this work on novel prognostic markers.

Such success is emblematic of the work he oversees as director of the Queen's Cancer Research Institute, which is populated by researchers seeking to introduce new levels of precision and effectiveness to cancer therapy. This four-storey facility is home to a full range of activities, from understanding the fundamentals of the cell or the immune system to developing applications in fields such as pharmacology, epidemiology, and community health. Above all, this broad spectrum of activities means that investigators working on ideas in the laboratory can interact directly with colleagues who may be trying to adapt those same ideas for patient populations.

"We're providing a service to the people who work in every area of this research cycle," he explains. "We give bench scientists an opportunity to talk to the people who are implementing a new treatment, so that they each know how best to use their time and energy to adapt their ideas to something useful."

Dr. Berman is especially pleased by the presence of the Canadian Cancer Trials Group within this process. Although his current research has not yet reached the point

where it could be subjected to this kind of careful, methodical scrutiny, he has already seen examples of clinical trials that reveal promising options for enhancing the quality of patients' care along with the quality of their lives.

"We have basic scientists who dream up new ways to interfere with, measure, and characterize cancer," he says. "The best ideas from our scientists and other scientists around the world get tested by the CCTG, which is the most exciting application of anybody's bench research."

*This article was originally published in (e)Affect, Issue 8, Fall/Winter 2015. (e)Affect: Effecting Change, Affecting Lives is published by the Office of the Vice-Principal (Research). [queensu.ca/vpr/eaffect](http://queensu.ca/vpr/eaffect)*

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The Queen's Cancer Research Institute (QCRI) comprises three divisions:

- Cancer Biology and Genetics
- Cancer Care and Epidemiology
- Cancer Clinical Trials

Learn more at [qcri.queensu.ca](http://qcri.queensu.ca)

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*"Quality of life is something we measure in clinical trials to see how people actually feel as opposed to what their chest x-ray or their CAT scan shows."*

In the digital *Review*, meet more QCRI researchers and learn about their work. [queensu.ca/alumnireview](http://queensu.ca/alumnireview)

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MICHAEL LEA/KINGSTON WHIG-STANDARD

**A new era for cancer research** In April 2003, the Queen's Cancer Research Institute was officially opened. The building, an addition to the Faculty of Health Sciences facilities at Botterell Hall, brought together three internationally recognized cancer-research groups under one roof. Seen here: Drs. Roger Deeley, Elizabeth Eisenhauer and Joseph Pater, key members of the team behind the creation of the new institute. The two-year campaign to build the institute was launched with a lead gift by Dr. Eisenhauer. "I viewed this as an opportunity to enhance cancer research at Queen's by building on the unique and high-calibre mix of expertise that's already here," said Dr. Eisenhauer at the time. The project also received a bequest from the estate of Dr. Franklin Bracken, MD 1911, and backing from the Ontario Innovation Trust. [qcri.queensu.ca](http://qcri.queensu.ca)

Unless otherwise indicated, dates in these notes refer to 2016.

## Up to 1959

### Notes



**Bill Goodings, Sc'51**, shared this 1951 photo of Queen's engineering students proudly displaying their new iron rings. The iron ring is a Canadian tradition dating back to 1922. Graduating engineers take part in the Ritual of the Calling of an Engineer, the words to which were written by Rudyard Kipling. Seen here from left to right, says Bill, "Bob Goodings (my right-handed twin brother), Lang Farrand (with a camera and holding his hand in front of Bob's face) H.M. Armstrong, R. T. McLaughlin, Bill Goodings (I know it is me because the ring is on my left hand), J. Bossert, J. W. Disher (back row), E. J. Mills, C. C. Phipps."



**Earl Scarrow, Sc'39**, celebrated his 100th birthday on July 6. He celebrated this milestone with family and friends – 96 people in all! Seen here: Earl's daughter Jane West, Susan Hill, Earl Scarrow and Bill Hill. Earl has many fond memories of his student days, including skating to Wolfe Island and back in the winter, going to class dances with nursing students from nearby KGH and having breakfast at the Student Union (where he could get oatmeal, toast and milk for ten cents!) After graduation from Mechanical Engineering, Earl began his career in the cordage industry. Manilla and sisal were the main sources of fibres at that time. As technology improved, synthetics soon took over and the stronger, safer fibres expanded cordage versatility in products and usage, which Earl worked to apply to the industry. He

worked in Ontario, Quebec and Massachusetts and also in Trinidad, where he was instrumental in overhauling a factory. For the Canadian Coastguard, Earl was entrusted to do a complete survey of all cordage needs, then recommend materials to improve safety on all boats, after nine sailors were killed because of failed lines. He went on to work at the Cambridge Memorial Hospital, overseeing the construction of a new wing. He worked at the hospital for 15 years, until his retirement at age 72. But even after retirement, he was called on for consultations within the industry until he was 75. He served on the Mohawk College Board of Governors from 1976 to 1983 and was the chair of the board from 1981 to 1983. Earl lives in Owen Sound, Ont.

### Deaths

**William Thomas Gatfield, MD'53**, died April 21, 2015, in Leamington, Ont. He is survived by his wife, Marnie, children Joan, Jan, Pamela, Artsci'84, William, and Martha Jill, their spouses, nine grandchildren and one great-grandchild. He was predeceased by his son Peter and son-in-law John. Bill was a man who lived by his own lights, and who generously shared his talents, resources and good humour with family and friends, with patients and colleagues, and with good folk wherever he found them. Reflecting on their 65-plus years together, Marnie recently remarked, "We were extremely happy and it was mostly his 'fault'!" At graduation in 1953, Bill was named as "the student best able to put his knowledge into practice." Early in his years of practising pediatric medicine, he, Marnie and the kids formed what were to become lifelong friendships with fellow Queens Meds grads and their wives and families: Ben (MD'52) and Barbara Dunn, Bob (Meds'56) and Alice Bell, and Keith (Meds'59) and Lorraine MacLeod. Mostly, Bill worked in Windsor, where he was privileged to consult at each of the city's main hospitals. For the latter 17 of his 37 years in private practice, he partnered with Dr. June Hahn-Lee, whom he cherished as an exceptional doctor and friend. Bill had a passion for

golf and also enjoyed curling, skiing (both snow and water) and swimming. Only in recent years, however, did it come to light that on graduating from Queen's, he was drafted into pro football by the Ottawa Roughriders. During medical school, he had played football with the Golden Gaels as a half-back as well as other positions, according to need. Eager to start his medical career, Bill turned down the CFL offer. But later in life, he revealed to his brother David, Meds'57, "Yeah, I kinda wish I'd tried it." As David has said, Bill's achievements during university were remarkable. Academic study didn't come easily to him, yet he did well by "hard slogging" while football seriously cut into his available study time. The path not taken was, however, a rare accomplishment in itself. Bill's life was not one punctuated by exotic or grand adventures, but was one infused with genuine relationships and meaningful, everyday interactions. The things that mattered most to him were loving and supporting Marnie and his family, helping sick kids heal and helping healthy kids stay that way, sharing good times and lots of laughs with friends, and being active and engaged. He created a life of abundance in these respects and he would probably say now, with characteristic humility, "I think I did pretty good."



**Donald Gollan, BA'55**, died March 23 in Sarsfield, Ont. After a full and rich life in theatre, producing television, writing poetry, and working in PR at Bell Northern Research, Don would be the first to admit that his proudest accomplishments were his children: Ian (Akiko), Donna, Artsci'81 (Kevin Speicher, MBA'82), Barbara, MEd'99 (Bruce), Ken (Kate) and Heather (Shawn). He was equally proud of his nine grandchildren. He is also survived by his sisters Agnes, Arts'52, Mary, and Janet, Arts'73. Don grew up in Kingston and in his final days, he took pleasure in reliving his childhood visits to the family farm. In 1948, the year Fort Henry was

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opened as a tourist site, Don received his Guard Number – #156. He financed his Queen's studies as a member of the Fort Henry Guard. He enjoyed the years he spent at Queen's, writing revues and putting on plays with the Kingston Drama Group, the Queen's Drama Guild and the Revue Guild. He received the Tricolour Award in 1954. From Kingston, he moved on to Toronto to attend Lorne Greene's School of

Radio Arts, which got him his first spear-carrying roles onstage in Stratford. He got to work alongside international stars such as Alec Guinness, who urged him to visit if he ever came to England – which he did, much to Guinness's surprise and delight. As a young man Don eloped with the love of his life, Edith Bird (now Edith LaFrance), Arts'56, to England. There, they socialized with a group of Canadian ex-pats including

Donald Gordon, Peter Harcourt, Ted Kotcheff, and Timothy Findley. Don worked for a number of television shows, even doing a short stint as a floor director on *Coronation Street*. When he returned to Canada with his family, he worked at the Ottawa Board of Education, making educational television shows. In his evening hours he volunteered his time at the Ottawa Little Theatre, the Kanata Players and many other Ottawa-

## IN MEMORIAM

### Pat McNally, BSc'39

Every day, people walking or biking through Queen's campus benefit from the vision and generosity of **Pat McNally**, BSc'39. Mr. McNally was one of the donors to the University Avenue revitalization project, completed in 2008. The pathway east of University Avenue between Kingston Hall and Nixon Field was named Professors' Walk by Mr. McNally, in honour of his Queen's professors.

"Ten years ago, when construction on the project had just started, I visited Pat at his home. I remember he was energetic and astutely aware of the progress on the project. He offered insightful advice that ultimately helped the project move forward," says Tom Harris, Sc'75, Vice-Principal (Advancement).

The project restored University Avenue as the iconic and ceremonial main street of campus. The restoration widened sidewalks to create more space for people and greenery, increased bench seating and made the roadway more accessible for pedestrians and cyclists. The project received the City of Kingston's 2011 Livable City Design Award of Merit for Context, Accessibility and Community Significance.

At 101 years of age, Pat passed quietly on June 3 in Waterdown, Ont. Pat knew that anything is possible if you are lucky enough to have family to support you and education to guide you. Queen's pride runs deep in the McNally family. Nine of Pat's descendants graduated from the university: sons Michael, Sc'68, Chris, Sc'77, and Paul, PhD'75, and grandchildren Heather, Artsci'01, MSc'04, Simon, Sc'96, Gregory, Sc'10, Jennifer, Artsci'04, Victoria, Artsci'00, and Beth, Sc'00. "I remember being struck by Pat's pride for Queen's and love of his family," says Dr. Harris.

Drawing on his family's background as home-builders and his education as a mining engineer, Pat had a successful professional life, first in the

hard rock mines of northern Quebec, then in general construction in Montreal and the Maritimes, and ultimately as partner and chief engineer of S. McNally & Sons with his brothers. He was a pioneer who helped build the infrastructure of southern Ontario, especially below ground, where his innovative mining techniques created the region's most prominent tunnelling contractor.

Pat retired in 1979 and spent his post-retirement years as a successful investor, incessant benefactor to young people and supporter of community needs. He paid tuition for many young people and helped young families purchase their first homes. He was, in various ways, indispensable in the startups of Clappison Veterinary, C&M McNally Engineering, McNally Robinson Booksellers, QNX Software Systems and McNally Jackson Booksellers. He was a longtime benefactor and volunteer with Queen's as well as the Royal Botanical Gardens, the Bruce Trail Conservancy and the Rotary Club. In 2015, he set up a family foundation to provide recreation for families, starting with a new skating oval now nearing completion in Memorial Park in Waterdown.

Pat married Anne Elizabeth (Libby) Powell in Montreal and together they raised four sons and a daughter. He was predeceased by Libby and by his six siblings. He is remembered by sons John, Michael, Paul and Christopher, daughter Joyce Police, 19 grandchildren and 22 great-grandchildren.



QUEEN'S MARKETING

*Pat McNally, BSc'39, was instrumental in the 2008 revitalization of University Avenue and the creation of Professors' Walk between Kingston Hall and Nixon Field. Written on a plaque on one of the limestone pillars at the walk's entrance are these words: "Named in appreciation of my professors and to honour all professors of Queen's University for their commitment to learning, to students and to society. – Patrick J. McNally, BSc (Eng) 1939."*

based organizations, writing, directing or playing roles in everything from *Harvey* to *The Cherry Orchard*. No role was too large or too small and they all turned into great stories over a pint or two in the pub with friends. In addition to ETV, Don worked in Ottawa, making television for the RCMP, Crawley Films, Bomi Films, and the Metric Commission, but he was best known for the 20-plus years he hosted *The Scene* at Skyline Television. He was a great host and raconteur and interviewed too many celebrities to name, reviewing hundreds of shows which helped to boost the Canadian arts scene in a very real way. Silver-haired and silver-tongued, Don is greatly missed by family and friends.



The Honourable **George Francis Wallace Inrig**, BA'55 (LLB, Dalhousie; MCL, Southern Methodist University), died May 21 in Picton, Ont., in his 87th year. He is sur-

vived by his wife, Elaine Healey, daughters Catherine and Lorraine, stepchildren Scott and Betty Anne, and their families. He was predeceased by his wives Barbara Matthews and Mary Kinsella. Following his call to the bar in 1959, George taught law at Dalhousie before re-joining the law practice of Frost, Frost and Richardson, in Lindsay, Ont., in partnership with the Hon. Leslie Frost, former Premier of Ontario. The firm later became Inrig & Gorwill. In 1973, George was appointed as Queen's Counsel. He was Judge of the Ontario Provincial Court from 1973–1994. He was also very involved in the communities in which he lived.

**John (Jack) Clayton McCrady**, BSc'54, died June 18, 2013, in Sault Ste. Marie, Ont. He was predeceased by his first wife, Jean, and is survived by his wife Joyce, sons Brian, Sc'77, Bruce, and Mark, eight grandchildren, two great-grandchildren, and three close step-family members. Jack was a devoted family man. He had a

passion for teaching chemistry and spent his teaching years at RMC in Kingston and then as head of the science department at Sault Collegiate in Sault Ste. Marie. He was an ardent curler, traveller, bridge player, and active in his church and community.

**Margaret (McLeod) McKay-Clements**, BA'50, died on March 30 in New Liskeard, Ont., aged 88. Born in Patterson, N.J., to father George D. McLeod, BSc'20, and mother Muriel (Waterhouse) McLeod, BA'19, she was the sister of Peter Cameron McLeod, BSc'50. Margaret grew up in Camden, N.J., northern Quebec, and Haileybury, Ont. During the Second World War, she graduated from Stanstead College (1944), and completed Canadian Red Cross and St. John Ambulance nursing training (1945). During the 1960s and '70s she did secretarial work in Quebec, Alberta, and Ontario. In 1959, she married John McKay-Clements, her beloved husband of 17 years, mayor of the former town of Haileybury (1971–75). Margaret was a kind, engaging and spiritual person, generous in both family and community. She was honoured for a lifetime of volunteer work, which included work with the IODE, Meals on Wheels, Temiskaming Art Gallery, Art Gallery of Ontario, and serving on the boards of St. Andrews United Church, Haileybury, and the Haileybury Public Library. She is survived by her son John McKay-Clements, his wife, Lesley Young, and the extended family of her late brother Peter.

**Donald William McLennan**, MD'54, of Grimsby, Ont., died March 28 in his 87th year. He is survived by his wife, Mona (Chapman), Arts'53, children Sara, Julia, Artsci'85, and John, and six grandchildren. Bill devoted his life to his family and to his career as a family physician, anesthetist and coroner. He was also an accomplished woodworker and sailor. He took great pleasure in his various cars and pets over the years. Bill was a great admirer of Winston Churchill and a collector of his writings and memorabilia.

**William James Ronan**, BSc'54, died April 5, aged 85. Jim grew up in Kenora, Ont. His mother, Lula Ronan,

was a 1917 Queen's graduate. Jim led a life filled with friends, faith and family. He was predeceased by his wife, Barbara. He is survived by his children Chris (Wendy), Jane Roebuck (Dave) and Trish (Doug), and nine grandchildren. A proud Queen's civil engineering grad, Jim spent his working years in the Ready Mix industry. His play time was enjoyed with friends and his family on the golf course or ski hills. Jim was a fun, kind and generous man of honour.

**Dalton McFarlane Waller**, Arts'45, died March 5 in Toronto. He is survived by Peggy, his wife of 70 years, sons Grant, Garfield and Andrew, and their families. During the Second World War, Dalton was a lieutenant in the Royal Canadian Navy, serving on active duty in the North Atlantic. Continuing in the family business, Dalton became president of Walfoods Ltd. and Dalmar Foods Ltd. The business became one of Canada's leading privately owned food service management companies. Dalton was well known and respected in the hospitality industry. He was president of the Travel Industry Association of Canada, the Canadian Restaurant Association and the Convention & Tourist Bureau of Metro Toronto. As patriarch of the Waller family, Dalton led by example as a kind and honourable man. He led a rich and fulfilling life and was always quick with a smile, a handshake, a witty remark or a great story.

**Beverley Alexander Thomas Watson**, BSc'50, died on June 11, three days after celebrating his 91st birthday at a lunch with his daughter Jayne, Artsci'82, MPA'83, and his son Jim. Bev was very proud of his Queen's education and delighted that his daughter and granddaughters Olivia Froislie (Artsci'14) and Nicola Froislie (Artsci'17) followed in his footsteps. He was predeceased by his beloved wife, Frances. Bev was a member of the "greatest generation" who fought for freedom during the Second World War when he left Queen's after his first year to serve with the Royal Regiment of Canada.

**Marie Louise (Best) Westervelt**, BNSc'58, died April 10 in North



Vancouver, B.C. The daughter of Clare (Parr), BCom'30, and Albert Best, Marie studied nursing at Queen's and then Montreal General Hospital. After graduation, she worked for the Victorian Order of Nurses in Ottawa and Elliot Lake. She married Ralph Westervelt, MSc'60, in 1959, and the family moved from Toronto to Vancouver in 1964. Marie returned to nursing in 1976, working at Burnaby General and Lion's Gate hospitals. She loved spending time with her family, being outdoors and travelling. Despite many serious health issues over the last few years, Marie continued to enjoy her association with Highlands United Church and Silver Harbour Senior Centre, playing bridge and taking aquafit classes. Marie is survived by her sister, Sheila, children Leslie and Kathy, and six grandchildren.

*Correction:* In Issue 2-2016, we listed John D. McGeachy's degree as BSc'56. In fact, it was BSc'53. Thank you to his friend Ernie Jury, Sc'55, MBA'62, who let us know of the error.

## 1960s

### Notes

**Barry Wellar**, Arts'64 (MS, PhD, Northwestern) wrote an op-ed column on light rail transit funding for the Transportation Policy briefing published in the April 4, 2016 issue of *The Hill Times*. You can read his column (and others) on his website: [wellar.ca/wellarconsulting](http://wellar.ca/wellarconsulting). Barry was also featured in a June CBC National News story about Gordie Howe, after the death of "Mr. Hockey." Barry plays with the Elder Skatesmen and Silver Streaks in Ottawa, and is involved with the 80+ Hockey Hall of Fame. Watch the story online at [bit.ly/28WsZx2](http://bit.ly/28WsZx2).



Members of Meds'63 and their spouses recently got together for a

mini-reunion. Seen here, Dave Sutton, Gail Hayes, Arthur and Mary Moody, Bob and Lois Vaughan, Dave and Joan Skene, John and Pat Taylor.

### Deaths



**Cynthia Carolyn (Heppler) Hooker**, BA'69, died May 15 in her 78th year.

She is survived by Charles, her husband of 48 years, daughters Catherine and Claire, three granddaughters, and extended family. Gentle, kind, fun and generous-hearted, Cynthia loved her family and friends and actively participated in the communities in which she lived. Cynthia grew up in Ontario. She moved to Germany to take a teaching job. There, she met Charles Hooker, a Signals officer with the Canadian military; they married and were posted to Kingston, where she studied English literature and history at Queen's. Charlie's career took them to Heidelberg, Montreal, Augusta and Ottawa;

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together, they raised their two much-loved daughters and made friends from around the world. As location allowed, Cynthia continued to teach and to take courses at various universities. She loved learning and was a strong believer in education, inspiring many of her students. She also volunteered for many years at Canada's National Art Gallery as a docent. In their retirement, Charles and Cynthia bought a farm near Orangeville; there, they planted 20,000 trees and enjoyed the company of nearby family. Cynthia also taught at a local school, volunteered, attended many concerts and art exhibits, joined book clubs and the University Women's Club, and organized a visiting university lecturer series for the community.

**Patrick Francis Tucker**, BA'67, BEd'69, died June 27, 2015, in Brockville, Ont. He was a dear uncle and great-uncle and a dedicated parishioner of St. Francis Xavier Church.

## 1970S

### Family News



**David M. Nesbitt**, MBA'70, has entered his second year as director, business and trust operations, for Legacy Trust Company Ltd., a

Hong Kong-based company. He has been in the financial services sector in Asia, based in Hong Kong, for the past 35 years. David and his wife, Wendy, founded a centre for special-needs young adults – the Nesbitt Centre Ltd. – in 1993, and live with their daughter Laurie in Hong Kong. Their son James, Artsci'96, lives in Singapore with his family. Their son Jonathan lives with his family in Tokyo.

**Stefan Semchyshyn**, Meds'71, and his wife, Helena, are grandparents again. Their daughter Natalie Semchyshyn-Harris welcomed twins Ashton and Brady on Dec. 4, 2015.



Stefan writes, "Natalie was born in March 1968 and was the first baby in our class. Son Terry, born April 1971, was a graduation gift." Natalie also has a daughter, Ember Acadia, and Terry has a son, Nicholas.

**Gene Wolski**, MBA'76, retired three years ago from his career in the financial services industry. Gene and Alice, his wife of 27 years, are looking forward to visiting Queen's again this fall for his class's 40th-anniversary reunion at Homecoming, and to visit with their son Adam, who will be enrolled in the Master of International Business program at Smith School of Business.

### Job News

**James Lambert**, Artsci'79 (MA, Norman Paterson School of International

# Happy anniversary!

Queen's University is celebrating its 175th anniversary from May 2016 to May 2017. Groups and departments across Queen's are also celebrating milestone years, including:

## 2016

- Aboriginal Teacher Education Program (1991)
- International Centre for the Advancement of Community Based Rehabilitation (ICACBR) (1991)
- Queen's School of Nursing (1941)
- Queen's University Alumni Association (1926)
- Queen's Department of Classics (1841)

Queen's  
175  
YEARS

## 2017

- Queen's Equity Office (1997)
- Queen's Centre for Teaching and Learning (1992)
- Queen's Faculty of Law (1957)
- Agnes Etherington Art Centre (1957)
- CFRC Radio (1922)
- Queen's Faculty of Education (1907)

Learn more: [queensu.ca/175](http://queensu.ca/175)

Watch for our special Queen's 175th anniversary issue, coming to your mailbox or inbox in early December, just before the magazine celebrates its own 90th anniversary in 2017.

Affairs, Carleton), after concluding a 33-year career as a Canadian diplomat, has joined the Organization of American States (OAS) as Secretary for Hemispheric Affairs. Having spent much of his career working in or on Latin America and the Caribbean, including as Ambassador accredited to Guatemala, El Salvador and Belize, and most recently as Ambassador accredited to the International Courts and Tribunals based in the Hague, James is pleased to bring his background and experience to this important regional mechanism for political dialogue and coordination. Specific responsibilities include managing OAS effective public management programs, the Summits of the Americas process and OAS Public Diplomacy.

*In the digital Review, James Lambert takes part in a career Q&A with political studies student Brandon Jamieson, Artsci'17.*

## Notes

**W. Douglas Jordan**, MBA'71, still enjoys executive coaching as the principal/owner at AFS Consulting. He recently published a book on management effectiveness entitled *The Dynamics of Management: Mastering the Intangibles of Influencing Others*.

On May 19, **Derek Wilson**, Sc'71, received a certificate from Canadian Blood Services acknowledging his 300 donations of whole blood or plasma over the past 45 years. Earlier the same day, by coincidence, Derek made his 305th donation.

## Deaths



**Murray Buchanan**, BA'78, MBA'80, died Dec. 31, 2015 at home in Airdrie, Alta., aged 59. At Queen's, Murray met his future wife, Catherine

Fuyarchuk, Artsci'79, Ed'80, in a Canadian social history class. Murray played football for three seasons for the Golden Gaels and was also on the wrestling team. He served as chief constable of the AMS. After completing his history degree, Murray studied business, winning the Vicom Award of

Merit in 1980 for highest combined level of excellence in academic standing and extracurricular participation for his MBA class. Murray began his professional career with Procter & Gamble in Toronto but was soon recruited by Dome Petroleum and headed west in 1981. He worked for a number of energy companies in the Calgary region, eventually becoming VP of strategy and new ventures for Pembina Pipeline Corp. He also had a passion for municipal politics, serving for 21 years as an alderman for the City of Airdrie. Active in his community, he coached minor soccer, hockey and lacrosse. He was honoured to receive the Alberta Centennial Medal in 2005 and the Soul of Airdrie Award in 2010. Murray had a massive soft spot for his four children. Although he appeared tough on the exterior, his kids knew him for the big teddy bear he really was. He supported all their activities whether it was sports, dance, Girl Guides, piano recitals or band concerts. Murray is survived by his wife, Catherine; his children Fiona, Peter, Ian and Cheyenne, and extended family.

**Emily (Motyer) Harris**, BA'73, died Feb. 11, 2014, following a sudden



heart attack in Midland, Ont. Emily was the beloved wife of Dr. Grant Harris (Queen's adjunct professor, Psychology), who himself

died Oct. 4, 2014, following a sudden hemorrhagic stroke. Emily is deeply missed by her children, Anne, Artsci'03, MSc'05, and Thom (Jillian) and will be remembered in stories to granddaughter Delilah (born 2015). Emily was a much beloved sister, aunt, cousin and friend to many. She and her Queen's roommates Mary Rosebrugh, Diane (Rutter) Jeudy-Hugo and Leona Woods, all Arts'73, greatly enjoyed reuniting annually to vacation together. Emily and Grant settled in Midland in 1980 and Emily became a lifelong educator and significant volunteer in her community. She received the June Callwood Circle of Outstanding Volunteers Award for her work with the bereaved through Hospice Huronia. Other organizations benefiting from her passion, knowledge, and commitment to service included the Huronia Players, Friends of Sainte-Marie, the MSS



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School Council and Huronia Performing Arts for Children. Emily's laughter was well known in her various circles and her kindness and sympathetic ear are missed by all who knew her.

**Ann Caroline (Bala) Matyas**, BA'69 (MSW, Carleton), died April 19 in Ottawa at the age of 67. For 35 years, she was the loving wife of Robert, MSc'73, and a devoted mother to Ian (Rosalinda), and David (Fauzia). She was the cherished grandmother of Ian's children Camila and Mariana and the beloved sister of Nicholas Bala, Law'77 (Martha, Arts'73, Meds'84) and Hugh Thompson (Vivien). She is also deeply missed by her extended family and her friends. Ann was a social worker at the Royal Ottawa and Ottawa hospitals. An avid reader, she loved literature and joyously debated novels over gluten-free biscuits with her book club friends. In recent years, Ann was passionately researching and writing the story of her family's Holocaust experiences in Czechoslovakia. She will be remembered in wide-brimmed hat amidst her perennials, grasping Nordic poles on treks through the Greenbelt, and with rosy cheeks and deep blue eyes on endless Eastern Township ski trails.

## 1980s

### Honours

**Bruce Cowle**, Com'85, was recently given the Napanee BIA Milestone Award in recognition of his civic involvement in a number of local organizations and his pro bono work for not-for-profit groups. Bruce has practised law in his hometown of Napanee, Ont., since 1990. He and his wife, Donna, have two children, Alex (23) and Jocelyn (20).

**Diana Drury**, Artsci'83, Ed'84, was inducted into the Canadian Collegiate Athletic Association Hall of Fame in June. This latest honour is Diana's seventh hall of fame induction: she is also a member of the Kenner Collegiate, St. Lawrence College Sports, Queen's University Coaches, OCAA, Peterborough and District Sports and Kingston and District Sports halls of fame. Diana played varsity ice hockey as a student and was later

the Gaels' women's hockey coach. During her time at St. Lawrence College, where she was the college's athletic director and student life counsellor, Diana also coached 15 teams in four different sports. These days, Diana is the director of team and personal coaching at Smith School of Business.

Engineers Canada recently honoured **Nancy (McConnell) Nelson**, Sc'81, with its Medal for Distinction in Engineering Education. Nancy, who is a professor of electronic systems engineering at Conestoga College, was honoured for her commitment to excellence and innovation in engineering education. "At every opportunity," said her citation, "she incorporates new and relevant teaching methodologies into her classroom to engage and motivate her students. After extensive research in the field, she pioneered Project Based Learning (PBL) with the creation of a highly effective four-year, Electronic Systems Engineering (ESE) degree program. Collaborating with local primary and secondary schools, and outreach activities such as Go ENG Girl, Day with a Difference and Cyber Olympiad, Ms. Nelson continues to be an unflagging advocate for engineering education and careers." She is the first college professor to win the prestigious award since its introduction in 1995. Queen's friends can contact Nancy at [n\\_nelson@rogers.com](mailto:n_nelson@rogers.com).

### Family News



**Todd Corradetti**, Com'80, will welcome his first grandchild this summer. His eldest daughter, Dr. Rachel Corradetti-Sargeant, and her husband, Mat, are expecting a girl. Todd didn't anticipate becoming a grandfather so soon, but notes that time does fly by when you're having fun. He predicts he will need to cut back on his daily hockey games to

babysit. Seen here: Kiersten Corradetti, Artsci'10, Kelsey Corradetti, BFA'13, Mat Sargeant, Rachel Corradetti-Sargeant, and Todd and Susan Corradetti.



**Helen (Short)**, Com'88, and **Ken Klassen**, Artsci'88, wrapped up their three-year Swiss adventure in July and returned to Toronto. Although they miss living in Central Europe, the amazing travel opportunities and the chocolate, they are glad to be back in Canada, closer to friends and family.

**John McVicar**, Com'86, and **Kathryn Milroy**, Artsci'87, relocated from Calgary to Johannesburg, South Africa, in 2015. John is a partner at EY and now leads the finance improvement practice for EY across Africa. Both John and Kathryn are loving their experience in Africa and look forward to exploring the continent as much as possible during their three-year posting. This is their first "empty nest" experience, with their three children all staying behind in Canada (though they are making regular visits to Africa). Andrew, Sc'13, works for TransCanada in Calgary; James is graduating from Bishop's University and moving to Toronto; and Natalie is graduating from Brentwood College on Vancouver Island and will be joining the Queen's Class of 2020 in the fall.



**Lloyd**, OT'84, and **Trevor Schindeler**, Artsci'80, MA'82, Law'84, sent us this flashback photo from Homecoming 1994. Seen here, their young son Ryan with Lloyd, pregnant with her second child, Tamara. "While we do not have a picture of Tamara visiting Queen's as an infant, we do have this picture. If there is any validity to the theory of



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# HOMECOMING 2016

October 14 - 16

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## Bonus digital content in this issue:

- RET, Relay and RIOT: a video interview with PhD candidate Mathieu Crupi
- Alumni spotlight: Dr. Gina Ogilvie, Artsci'89 (Biology), on her work to end cervical cancer
- Strength in numbers: the Canadian Cancer Trial Group
- Trials help clinicians face the most daunting disease
- Finding quality of life amidst quantity of data
- Calculating the real value of clinical trials
- The Queen's cancer clinic: a 1947 *Queen's Review* report on Ontario's first fully equipped cancer clinic, housed at KGH

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[queensu.ca/alumnireview](http://queensu.ca/alumnireview).

prenatal learning, the unborn Tamara was subject to many an *Oil Thigh*," writes Trevor. See page 49 for a further family update.

## Notes



**Don Breithaupt**, Artsci'83, and his band, Monkey House, have a new album out: *Left*.

The album features guest appearances by Steely Dan alumni Jay Graydon, Elliott Randall, Drew Zingg and Michael Leonhart. Also joining Don for his fifth Monkey House outing are songwriter Marc Jordan (Rod Stewart, Chicago), saxophonist Donny McCaslin (David Bowie) and vocalists David Blamires (Pat Metheny Group) and Lucy Woodward (Snarky Puppy).



**B. Gerry Coulter**, Artsci'84 and '85, MA'88 (PhD, Carleton) celebrates his 25th year as a professor with the launch of his most

recent book: *From Achilles to Zarathustra – Jean Baudrillard on Theorists, Artists, Intellectuals and Others*. Gerry is professor of sociology (Theory, Art, and Cinema) at Bishop's University in Sherbrooke, QC, where he has been recruiting graduate students for the sociology department at Queen's for many years! He may be reached at [gculter@ubishops.ca](mailto:gculter@ubishops.ca).

**Alvin M.T.K. Hew**, Com'86, has called Singapore home since 2013. There, he covers the Asia region for the Abraaj Group, a Dubai-based private-equity firm, as managing director and head of APAG (Arab Pacific Arab Gulf) Asia. Alvin is looking forward to connecting with classmates at his 30th-anniversary reunion at this year's Homecoming in October and with friends who visit Singapore.

**Rob Keith**, Artsci'88, ConEd'89, recently completed instructor certification with the American Sailing Association and has been teaching "Cruise and Learn" courses through Island Cruising in Sidney, B.C. When not sailing, Rob is a school administrator at Branton School in Calgary.

**Ron Stenzl**, Com'85, who retired from Leeds Transit in 2014, has embarked on a new career as president and CEO of Snell Golf Canada. Ron also continues to coach girls' high school basketball at Rideau District High in Elgin, Ont., and lives with his wife, Janice, in Gananoque.



**Tamara Vander-sluys**, Com'85, has been having fun working as a senior IT specialist for R2i, an IT resources, infrastructure and integration provider.

Tamara has been with the company for two years. She is also working on a start-up offering equine-based leadership training.

## Deaths

**Philippe Roger Dollois**, BSc'82, died May 4, following a stroke. Phil was cherished by his family: his wife, Tracy Dollois, children Marc, Artsci'12, (fiancée Emily Unal, Artsci'12), and Michelle Dollois, stepchildren Doug, Liz and Pat Livingstone, his mother

Anne Marie Dollois, sisters Anne Marie and Suzanne and extended family, including five grandchildren. He was predeceased in 2006 by his first wife, Beverley Jean Atkinson, BSc'82. Phil worked many years in the energy industry at Ontario Hydro and then OPG, in consulting at Deloitte, and in finance at Canada Pension Plan Investment Board. But his job was just a job. His world revolved around his family and his friends. He loved hiking, skiing, travelling, snorkelling, Dr. Who and Monty Python. Since 2010, his physical activity had been curtailed by illness, but still he was always curious, always passionate about issues, reading, learning, talking, discussing, and sometimes even arguing. He was a kind and wonderful man who is remembered with love.



dogs Brandy and Lily. Seen here: Steve Farragher, Dave Jones, Janice Farrell Jones, Charles Conroy, all Com'97; Katy Church, Artsci'97; Craig Kamini McLellan, Lloyd McLellan, Stephen Church and Jeff Norton, all Com'97; Jennifer and Emily Church; and Chris McClement, Com'97.

### Honours

**Meera Nathwani-Crowe**, Sc'95, was selected as one of Alberta's Energy Futures Lab Fellows, collaborating with influencers and innovators from industry, NGOs, First Nations communities, academia, and government to address current and future energy challenges in Alberta. The Energy Futures Lab is convened by The Natural Step Canada, Pembina Institute, Sunco Energy Foundation, The Banff Centre, and The Government of

Alberta. Over the next three years, the lab will engage the Fellows, their networks, and the public to accelerate the transition to a sustainable, resilient energy system. "It's a huge opportunity to work among a broad group with diverse views, explore the challenges and opportunities we have in Alberta and design a strategy that serves our province's needs economically and environmentally; not just for today, but for the future," says Meera, who manages environment and technology for Shell's Heavy Oil business.



**Nilufer Erdebil**, Sc'96, MBA'03, received the Canadian Women in Communications and Technology Leader Award in Ottawa. Nilufer is CEO and founder of Spring2 Innovation, an innovation consulting and training company.

**Sean Silcoff**, Com'92, and co-author Jacquie McNish won the National Business Book Award on for their

## 1990s

### Commitments

**Craig Rosario**, Com'97, married Robert Peterson on March 12 in Rancho Mirage, Calif. Craig and Robert live in Victoria, B.C., with their



### The Kathleen Beaumont Hill Award VANCOUVER BRANCH

November 24, 2016  
**Heather F. Clarke**, NSc'66



### The Toronto Branch Award TORONTO BRANCH

November 30, 2016  
**Sheila A. Murray**, Com'79, Law'82

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2015 book *Losing the Signal: The Spectacular Rise and Fall of BlackBerry*. The bestselling book, published in Canada by HarperCollins, was also shortlisted for the international Financial Times & McKinsey Business Book of the Year award last fall. Sean is a business journalist with *The Globe and Mail* in Ottawa.

## Job News

**Jacques Cantin**, EMBA'99, co-founded Caninno Inc. last summer to address a complex problem in the wind power industry. The technology development company is currently involved in the design, innovation and commercialization of solutions for the de-icing of wind turbine blades. The company's patent-pending fibre-laser-based technology is suitable for the detection, location and ablation of ice and other surface deposits on composite blades.



**Robert Leckey**, Artsci'97, has begun a five-year term as dean of the Faculty of Law, McGill University, where he has been teaching since 2006. He was also named Samuel Gale Professor.

**Heather Mace**, Artsci'93, Ed'94, is, after two years in Belgium as the principal of a DND school on a NATO base, moving back to Ottawa, where she will serve as the senior education officer for children's education management within the Canadian Forces. She remains on secondment from the OCDSB. While missing the beer, chocolate and cheese in Belgium, Heather, her husband and two children are looking forward to reconnecting with family and friends back home.

**Matthew Seagrim**, Sc'96, is the managing director of SCENE, the loyalty program operated by Cineplex and Scotiabank. With more than 7.5 million members, it is one of the biggest programs in Canada.

In January, **Daniel A. Szpiro**, MBA'90, was appointed dean of the School of Professional Programs at Marist College in Poughkeepsie, N.Y. The school focuses on adult and continuing education.

**John C. Taddeo**, MBA'94, VP, portfolio manager and investment advisor with TD Wealth Private Investment Advice, has relocated to the TD Summit Branch in Toronto.

## Notes



**Jana (Cadsby) Bell**, Artsci'92, founded Amazon Rainforest Conservancy (ARC), a charity that does conservation work in the Amazon rainforest in Peru. You can read a recent interview with Jana about her recent work in Peru: [guycrittenden.blogspot.ca](http://guycrittenden.blogspot.ca)

**Richard C.K. Cheung**, Com'95, has been a fan of racing and equine sports since his days at Queen's. Six years ago, Richard combined his business knowledge with his passion for horse racing, taking on the role of executive director, customer and marketing, with the Hong Kong Jockey Club.

**Peter J. Schuurman**, MA'95 (Sociology) successfully defended his PhD in Religious Studies at the University of Waterloo in February. His dissertation, *Bruxy Cavey and The Meeting House Megachurch: A Dramaturgical Model of Charismatic Leadership Performing "Evangelicalism for People Not Into Evangelicalism"* is now available online. Peter lives in Guelph, Ont., with his wife, Joy, and children Joseph, Petra and Grace.

## Deaths

**Robert Ball**, BSc'95, passed away peacefully in Kingston after a long and courageous battle with cancer. He is deeply missed by his wife Allison (Lindsay), Sc'99, and their young daughters Charlotte and Ryan. Bob is also remembered by many family and friends in the Kingston area, including his mother, Mary, who worked in the Queen's Registrar's office for many years, and father, Ron. In honour of Bob's anonymous stem cell donor who gave hope and a possible cure for Bob's cancer, Allison, family, Queen's and community friends run a yearly swab drive with

Canadian Blood Services, the Engineering Society and Queen's Blood Team to help increase the international database and the limited 50 per cent chance of finding matches for people with blood cancers for stem cell/bone marrow transplants.



**Laurel (Anderson) Weigelt**, BA'90, died April 28 at the age of 48. Laurel was a proud alumna and supporter of Queen's. Laurel savoured every moment at Queen's, making lifelong friends and

also meeting her future husband, John Weigelt, a 1990 RMC grad. During her time at Queen's, Laurel practised her craft of writing as a sports reporter for the *Queen's Journal*. With her trademark enthusiasm, Laurel celebrated her 25th reunion last October in Kingston with friends and classmates, just months after attending the convocation of her son Maximillian Weigelt, Artsci'15. Laurel embraced life, celebrated joy, and savoured family and friends. In addition to John and Max, Laurel is survived by daughter Brynn. Laurel overcame many obstacles to attend Queen's, and as a result donations in support of the Queen's Student Financial Assistance Fund are greatly appreciated: [givetoqueens.ca](http://givetoqueens.ca). Read more about Laurel at [forlaurel.wordpress.com](http://forlaurel.wordpress.com). #FOL

## 2000S

### Births



**Hamzeena Fay Marzuq**, EMBA'09, and her husband, James McLeod, welcomed their first child, Zara Alexandra, on Jan. 25.

**Steven P. Maynard**, EMBA'09, and his wife, Candice, welcomed Madeleine on Nov. 23, 2015. A sister for Luke. Steve keeps busy with his young family and leading EY's Canadian data and analytics practice.



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**Brendan**, Artsci'03, MPA'05, Meds'10, and **Paula (Jarvis) Miles**, Artsci'05, welcomed Jane, their first child, on April 20 in Calgary. Paula and Brendan

met on the Queen's triathlon team in September 2002. They had their first date at the Queen's Pub under the watchful eyes of David Wares, Sc'06 (TAPS/QP manager, 2004–05) and Tyler Turnbull, Artsci'06, (AMS president, 2004–05) – both of whom were later in Paula and Brendan's wedding party in September 2013. With this announcement, Paula and Brendan would like to acknowledge all the wonderful gifts and opportunities Queen's University has provided for them, and how forever grateful they will be to both Queen's and Kingston communities. *Cha Gheill!*

### Commitments



**Courtney Starr**, Artsci'07, and **Jared Solinger**, Sc'07, were married in Toronto on May 30, 2015. Twelve years after they met

in residence at Victoria Hall, they wed, surrounded by many Queen's alumni, including Jared's stepfather, John Scott, Arts'72, who led the guests in an *Oil Thigh* during dinner! The couple live in Toronto where Jared practises corporate law and Courtney works in commercial real estate.

### Honours

**Ellie Clin**, Artsci'08, was chosen by *National Geographic* and Lindblad Expeditions as a Grosvenor Teacher Fellow. This fellowship recognizes commitment to geographic education and geographic literacy within the classroom, and is given to only 35 teachers across North America annually. Ellie, a first-grade teacher at The Grove Community School in Toronto, travelled on expedition to Antarctica, accompanied by *National Geographic* expedition experts. She also participated in photography and outreach planning workshops, to help her

make the most of her experience. "I returned with a greater understanding about the history, nature, and general health of the Antarctic environment, as well as inspiration to



bring this information to my classroom," says Ellie. She shared this photo of an Adeline penguin

she took on her trip. She also has a blog: [penguinlearners.com](http://penguinlearners.com).

### Job News

**Crystal (Kuan)** and **David Brent**, both Com'07, recently moved from London, U.K., to New York. Crystal is VP, marketing and communications for Rolls-Royce; David is a private equity principal at Apollo Global Management.

**Scott Courtice**, Artsci'02, is now the executive director of the London Intercommunity Health Centre in London, Ont. "The health centre delivers accessible, quality health and social services to some of London's most vulnerable people, including those living in poverty and experiencing homelessness," says Scott. "I'll be using the leadership skills I began developing as AMS President (2001–02) to help advance health equity in my community. I also recently won Business London's 'Top 20 Under 40' award in recognition of my career success and community leadership."

**Craig Hum**, CQ-EMBA'08, is now director, analytics and insights, at shomi™, the Canadian subscription-video-on-demand service provider.



**Cat London**, Artsci'03, and **Liz Cooper**, a student in the Master of Environmental Studies program, have

teamed up to help Kingston area parents take better photos of their kids. The pair, each of whom has her own photography business (Cat London Photography and Lizzography, respectively), have created a workshop called "Shoot Yer Kids" in which

they teach parents everything they need to know about taking great photos of their favourite subjects. Cat teaches the “studio” or posed portion of the workshop while Liz focuses on candid photography. shootyerkids.com

**Chris Radcliffe**, Com’00, has launched a new product, the Go Intranet Accelerator. Go is designed to help organizations modernize their digital workplace communication and collaboration on Office 365. connectwithgo.com

**Akis Vitsentzatos**, Com’02, has accepted a position as a legal officer with the Department of National Defence’s Office of the Judge Advocate General. While practising law for the past nine years, Akis was a reservist with the 1st Hussars, an armoured reconnaissance regiment based in London, Ont. At his new posting in Ottawa, Akis will be a Regular Force member of the Canadian Armed Forces.

## Notes

**Sharon A. Bain**, EMBA’05, though now retired, is delivering CPA Canada financial literacy workshops in the Winnipeg area to middle-income Canadians, new Canadians, new entrepreneurs and post-secondary students.

**Faheem Noor Ali**, Com’01, sold CookNook, the food-sharing start-up he co-founded in Washington, DC, to a competitor after building the business for more than a year. He remains an access to finance consultant at the World Bank Group.

**Lisa Orr**, Com’01, recently completed her Queen’s AMBA. She lives in Toronto with her husband and three children. In 2013, she launched Orr Etiquette, which provides consulting and training services in etiquette and protocol for businesses, universities, schools and private clients. She is also a blogger for the *Huffington Post Canada* and the etiquette expert for CTV’s *The Social*. orretiquette.com

## Deaths

**Saturlino Leandro**, BEd’03, MEd’13, died April 6 in Ottawa.

## 2010S

### Commitments



**Anando Chatterjee and Aarti Deshmukh**, both MBA’13, married in January and recently moved to Toronto. Anando works at TeraGo

Networks as product manager, cloud services. Aarti is employed with Credit Suisse as assistant vice-president of group finance.

### Family News



**Tamara Schindeler**, NSc’16, first visited Queen’s campus *in utero*, for Homecoming 1994. Here she is at the Queen’s sign on Union Street at University Avenue, 22 years after her

mom and brother were snapped at the same spot: see page 42. Tamara comes from a long line of Queen’s grads, including brother Ryan, Sc’15, parents Lloy, OT’84, and Trevor Schindeler, Artsci’80, MA’82, Law’84, grandmother Marilyn Hunter, NSc’56, and great-grandfather Frank Deamude, BSc 1922.

### Honours

**Dave M. Hooge**, EMBA’16, President and General Manager of Calgary’s Stepper Custom Homes, received the George Frieser Award, the highest accolade of the Canadian Home Builders’ Association (CHBA) Alberta. The award recognizes leadership, dedication and outstanding long-time service at the provincial level.

**Laurel Walzak**, EMBA’14, received the 2016 Ontario Volunteer Service Award from the Ministry of Citizenship, Immigration and International Trade in recognition of her role as a community volunteer through five years of service supporting George Brown College.

### Job News

**Frank Attaie**, CQ-EMBA’11, is now director and head of the financial services and insurance sector at IBM Canada.

## A CELEBRATORY KISS

**Victoria Schwarzl**, Artsci’08, gets a kiss from Prime Minister Justin Trudeau during Toronto’s Pride Parade on July 3. Victoria is the communications manager with Pride Toronto. She was escorting

Mr. Trudeau, the first sitting prime minister to participate in the parade, as he made his way down Yonge Street. The joyful moment was captured by Victoria’s wife, Emily Herczeg, Artsci’11.



EMILY HERCZEG

**Kevin Dong**, MFin'14, accepted a finance manager role at VersaCold Corporation on April 8, his eighth wedding anniversary.

**Olivia Froislie**, Artsci'14, attended Parsons after Queen's, and while studying for her fashion marketing degree, she interned for Marc Jacobs and Tanya Taylor. She now works for Spring, a mobile shopping platform representing thousands of clothing and lifestyle brands. She invites Queen's friends to contact her when they're visiting New York City: olivifroislie@gmail.com

**Heather Hawks**, Com'10, GDA'10, has joined RE/MAX Hallmark Realty as a residential real estate agent, specializing in the fast-paced Toronto market.

**Mathieu Laberge**, EMBA-Americas'16, is now director of policy in the Office of Canada's Minister of Families, Children and Social Development.

**Sameer Ladiwala**, EMBA-Americas'15, is now a corporate controller at Cypress Semiconductor Corp., based in San Jose, Calif.

**Janelle Mann**, PhD'12 (Management) was promoted to associate professor in the Department of Economics at the University of Manitoba. This past year the Mann family also celebrated the birth of a second son, James Jason.

**Amarachi Miller**, MMA'15, is now manager of data strategy and product marketing for the Americas for Xaxis, the programmatic arm of WPP, a British multinational advertising and public relations company.

**Chengbo Qian**, Com'12, successfully completed his Chartered Professional Accountants (CPA) Canada designation and took on the role of financial services manager with Air Canada at its operations centre in Brampton, Ont.

**Ashraf Saleh**, MIB'15, recently acquired his Canadian Institute of Chartered Accountant (CICA) and Canadian Risk Management (CRM) designations. Ashraf is a senior consultant for PricewaterhouseCoopers.

**Nem Stefanovic**, EMBA-Americas'15, is VP, research and development at Kooltra, a cloud-based capital-

markets platform. His twins, Lukas and Sofia, turned four in April.

**Winnie Wong**, Com'11, is project manager for the Global Fashion Group, managing ventures launches. Winnie lives in Singapore.

## Notes

**Casey Burgess**, CQ-EMBA'14, has begun his second term as mayor of the City of Wilmer, Texas, after running unopposed in this year's general election.

**Makarand Deshpande**, CQ-EMBA'10, passed the Financial Planning Standards Council's (FPSC) Level 1 exam and is in the process of completing his Certified Financial Planner (CFP) designation. In addition, Makarand earned his Chartered Life Underwriter (CLU) credential, one of the most prestigious designations in the financial planning industry.

**Katrina Rees**, Com'15, will be attending graduate school at the University of St. Andrews in Scotland this fall in the MLitt international business program.



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# From RET to Relay to RIOT

*Queen's students take on cancer*

In Dr. Lois Mulligan's lab in the Department of Pathology and Molecular Medicine, PhD candidate Mathieu Crupi studies the RET protein. RET plays an important role in kidney and enteric nervous system development, but can contribute to many human cancers, including those of the thyroid, lung, breast and pancreas. Outside the lab, Mr. Crupi is involved in fundraising efforts to support cancer research. He was co-president of this spring's Queen's Relay for Life event. He is also active, with many of his peers, in community outreach and education initiatives on the topic of cancer. Mr. Crupi is a co-chair of the Canadian Cancer Society's RIOT – Research Information Outreach Team – a group of Queen's graduate and post-doctoral students who share information on cancer prevention, treatment and research with the Kingston community. This spring, the

team held its second annual "Let's Talk Cancer" event, an educational symposium for local high school students to visit Queen's to learn about cancer research. The Canadian Cancer Society has spawned three inaugural "Let's Talk Cancer" events this year in Toronto, London, and Ottawa.

In a video interview with the *Review*, Mathieu Crupi discusses his research and talks about why community outreach and fundraising are so important to him. Watch the interview: [queensu.ca/alumnireview](http://queensu.ca/alumnireview).

Below, members of Kingston RIOT. Back row (*left to right*): Kelly Brennan, Maximilian Niit, Stephanie Guy, Catherine Crawford-Brown, Mathieu Crupi, Zaid Taha, Victoria Hoskin, Piriya Yoganathan. Front row (*left to right*): Carmen Chan, Katrina Cristall, Nikita Williams.



SUPPLIED PHOTO

## RET

The RET protein is present on the surface of cells in the human body; it is responsible for receiving signals from outside a cell and passing on the messages within the cell.

## Relay

Queen's Relay for Life is a fundraiser for the Canadian Cancer Society, which supports investigators at the Queen's Cancer Research Institute and the Canadian Cancer Trials Group. The 2016 Queen's event raised \$100,000. The Queen's Relay for Life student volunteers also organize cancer awareness events around campus throughout the year.

## RIOT

This spring, the Kingston Research Information Outreach Team hosted its second annual "Let's Talk Cancer" event on campus. More than 250 local high school students visited Queen's to learn about cancer biology, research opportunities, and new developments in treatments.

# Queen's launched the *Initiative Campaign* in 2006, at a critical juncture in our history, with a vision of the future of the university.

This vision called on all of us to look to our illustrious past for inspiration and build on Queen's 175-year legacy. As alumni, donors, volunteers, and members of the Queen's family, you answered this call and took the initiative to invest in a future committed to our students and graduates, to enhance the ways in which they can make the greatest positive impact on our changing world.

Ten years ago, we committed to strengthening those aspects essential to the Queen's of the past and present – our reputation for quality, our history of producing outstanding graduates at all levels, and our enduring student and alumni spirit of initiative.

The *Initiative Campaign* focused on four priority goals: to become the destination for exceptional people, to enhance our students' learning experiences, to secure our global reputation in discovery and inquiry, and to nurture a supportive community.

The commitment from the alumni and Queen's community has proved a powerful one. Indeed, your dedication and commitment brought us together and took us well beyond our initial ambitious goal of \$500 million, to a historic \$640-million total.

The impact of your contributions can be seen across the university, across Canada, and throughout the world. Here at home, the creation of new scholarships and bursaries has reduced barriers and increased the accessibility of a Queen's education to a wider pool of talented students.

Of course, it is not enough just to welcome new students to our campuses. We also have to provide the learning experiences to unlock their potential and unleash their passions. Thanks to your generosity, the Queen's experience will now include new learning spaces and enhancements to our existing classrooms, libraries, and labs, to create an unprecedented opportunity for dynamic learning, collaboration, innovation, and discovery.

As our campus has grown over the last decade, so too have the possibilities within it, including the creation of 23 new research chairs and professorships, helping to ensure that Queen's will continue to be a home to ground-breaking research and scholarship, and new achievements in the performing arts, for many years to come.

The future of our students and faculty has also been brightened, enhancing our ability to support the people who live, work, and study at Queen's. From our state-of-the-art Athletics and Recreation Centre, to our new "embedded" counsellors, to our innovative programs designed to help our students cope with the stresses that can make the transition to university especially challenging— together we have elevated our support to the university community.

*"The Queen's experience... will create an unprecedented opportunity for dynamic learning, collaboration, innovation, and discovery."*

As I reflect on all that has been achieved and look ahead to an exciting future for Queen's, I am filled with an enormous sense of pride in my alma mater and profound gratitude for your commitment and generosity. Together we have set in motion a new chapter for Queen's by building on the wisdom of the past, compelled by the urgency of the present, and inspired the possibilities of the future – thank you for your enduring spirit of initiative.

Cha Gheill!



Daniel Wolf, Artsci'80  
Principal and Vice-Chancellor  
Queen's University

# THANK YOU!

Your generosity has helped Queen's surpass our \$500-million *Initiative Campaign* goal. These gifts will directly support the university's programs and its people and unleash their potential to make a significant difference in the world.

**\$640,000,000**  
donated

  
**35,000**  
alumni made gifts  
to the campaign

  
**146,000**  
gifts made during  
the campaign

**32,000**  
donors made their  
**FIRST**  
gift to Queen's

  
**4,952**  
new  
**Grant Hall Society**  
members

Financial Assistance

Queen's Fund

Student Awards

**\$85 million**  
towards  
scholarships  
and bursaries



**\$10.9 million**  
donated to the Queen's fund

**625**  
student awards  
created

**\$115 million**  
in confirmed planned gifts  
exceeding our parallel  
\$100-million goal

**38% growth in  
the endowment**  
over the life of  
the campaign





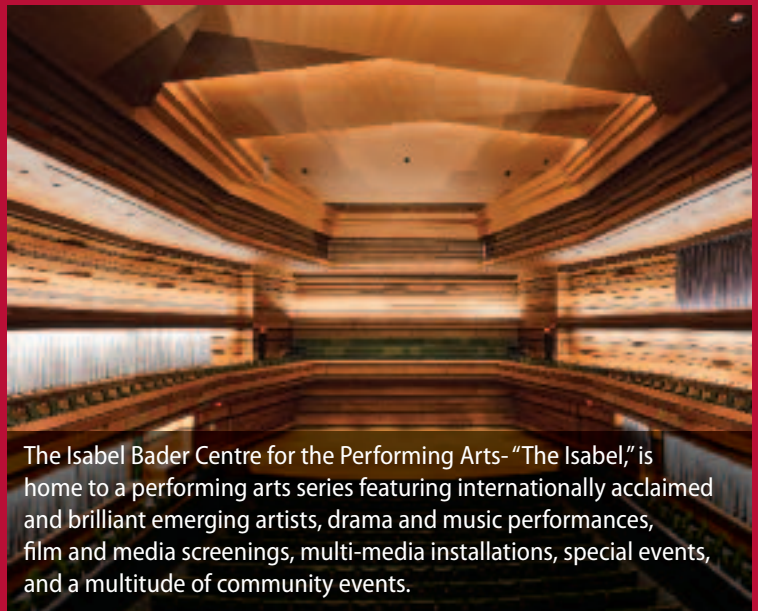
Highlights from an  
unprecedented decade  
in Queen's history.



The naming of the Stephen J.R. Smith School of Business in 2015 elevated one of the world's premier business schools, and its international reputation for innovative approaches to business education. The students of Smith Business are tomorrow's leaders in business, economic and social development.



In 2011, Queen's became home to one of the premier teaching facilities in North America, helping to attract the best medical students, faculty and staff, and provide an unparalleled educational experience for our doctors of tomorrow.



The Isabel Bader Centre for the Performing Arts- "The Isabel," is home to a performing arts series featuring internationally acclaimed and brilliant emerging artists, drama and music performances, film and media screenings, multi-media installations, special events, and a multitude of community events.

## INITIATIVE CAMPAIGN

Visit [queensu.ca/initiative](http://queensu.ca/initiative) for more stories and profiles of those who made the Initiative Campaign a success. Watch for the complete Initiative Campaign report coming November 2016.





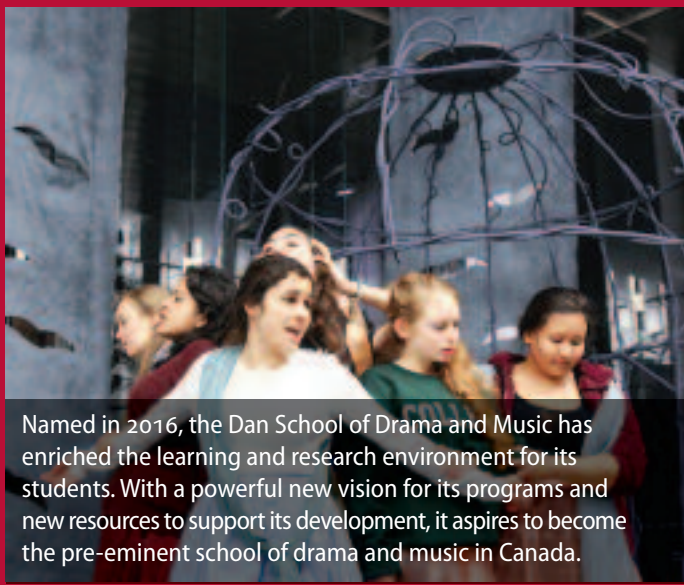
The redesigned classrooms of Ellis Hall enhance student learning outcomes with a focus on active and collaborative learning.



The extraordinary gift of Rembrandt's *Portrait of a Man with Arms Akimbo* (1658) has been greeted with much excitement, attracting a stream of visitors to the Agnes Etherington Art Centre since its unveiling in April 2016. The masterpiece gives students and researchers a unique opportunity to experience an original work right on campus.



In 2009, one of North America's largest mining schools was named the Robert M. Buchan Department of Mining, enhancing and enriching the learning experience for students, and equipping them for the increasingly interlinked technical, economic, social, and regulatory factors in today's mining industry.



Named in 2016, the Dan School of Drama and Music has enriched the learning and research environment for its students. With a powerful new vision for its programs and new resources to support its development, it aspires to become the pre-eminent school of drama and music in Canada.



For almost a century, Richardson Stadium has been the literal and figurative rallying point for Queen's students and alumni. This legacy continues into Queen's 175th year with the revitalization of the stadium.



Building on the tradition of the original structure, the Goodes Hall Expansion at the Smith School of Business enables interactive learning and research while furthering the school's vision to be one of the world's most innovative and influential business schools.



QUEEN'S UNIVERSITY MARKETING

## Welcome young alumni!

The global alumni network is welcoming the class of 2016 and Queen's young alumni (2006-2016) in true tricolour spirit! Join an event in your area, like those listed below, or check out [queensu.ca/alumni/events](http://queensu.ca/alumni/events) to find an event in your area. Don't see your area listed and want to help spread the tricolour spirit? Contact [branches@queensu.ca](mailto:branches@queensu.ca) for all opportunities to get involved. Although these events are designed with young alumni in mind, all alumni are welcome to attend.

**Calgary** – Young alumni open house – Sept. 15

**Edmonton** – Young alumni mixer – Sept. 15

**Kingston** – Young alumni night – Date TBC

**Montreal** – Welcome pub night and brewery tour – Sept. 15

**Ottawa** – Shakers and stirrers featuring Nik Nanos – Sept. 22

**Toronto** – Queen's night out – Sept. 23

Don't see an event in your area? Visit [queensu.ca/alumni/events](http://queensu.ca/alumni/events) to see the full calendar, or contact [branches@queensu.ca](mailto:branches@queensu.ca) for more information.

# Celebrate Queen's 175th around the world

Can't make it back to campus for Homecoming and Queen's 175th celebrations? Your global alumni network has you covered! Join us at one of the events listed below, or check [queensu.ca/alumni/events](http://queensu.ca/alumni/events) to see if an event is happening in your area. Don't see one and want to organize one? Contact [branches@queensu.ca](mailto:branches@queensu.ca) to get started.

## Canada

### Brockville –

Luncheon featuring Dr. Barbara Reeves – Oct. 3

### Calgary –

175th celebration and Homecoming football game – Oct. 15

### Edmonton –

175th celebration and Homecoming football game – Oct. 15

### Montreal –

175th celebration – Date TBC

### Okanagan –

175th celebration and Homecoming football game – Oct. 15

### Ottawa –

175th celebration and Homecoming football game – Oct. 15

### Sudbury –

175th celebration and Homecoming football game – Oct. 15

### Toronto –

Tams and touchdowns in TO – Oct. 15

### Vancouver –

175th celebration – Oct. 15

### Victoria –

175th celebration – Date TBC

## USA

### Atlanta, Ga. –

175th celebration and Homecoming football game – Oct. 15

### Boston, Mass. –

175th celebration – Date TBC

### New York, N.Y. –

175th celebration – Oct. 15

## International

### Australia –

175th celebration – Date TBC

### London, U.K. –

175th celebration – Date TBC

### Hong Kong –

Global Oil Thigh and young alumni event – Oct. 15

Don't see an event in your area? Visit [queensu.ca/alumni/events](http://queensu.ca/alumni/events) to see the full calendar, or contact [branches@queensu.ca](mailto:branches@queensu.ca) for more information.

## Upcoming events [events.queensu.ca](http://events.queensu.ca) [facebook.com/queensualumni](https://facebook.com/queensualumni)

### Calgary

#### Nov. 26 – Chancellor Loughheed memorial ceilidh wine and cheese with special guest Principal Woolf

The Calgary wine and cheese night returns to the Loughheed House! As well as great food and wine, alumni guests will enjoy a journey back in time through guided tours and tales of this grand estate. We are pleased to welcome Principal Woolf to the event this year.

### Montreal

#### Sept. 15 – McAuslan Brewery tour and pub night

Join us in welcoming new Montreal alumni at our annual get-together at McAuslan Brewery, where you'll have the opportunity to learn about the craft on a brewery tour starting at 7:30 pm (spaces limited). Food and refreshments will be available for purchase throughout the evening.

#### Nov. 10 – Queen's Law alumni reception in Montreal

Join your fellow Queen's Law alumni for a reception at Clyde & Co Canada, 1700-630 Boul. René-Lévesque O.

### New York City

#### Oct. 15 – Terry Fox Run in Central Park

Join fellow Queen's alumni as we participate in the 2016 New York City Terry Fox Run in Central Park. The 5K family

fun run/walk is an annual event supporting cancer research at the Memorial Sloan-Kettering Cancer Center in New York. We look forward to seeing everyone running in their tricolour again this year!

### Ottawa

#### Oct. 26 – Queen's Law alumni reception in Ottawa

Join us for a reception for Law alumni at Norton Rose Fulbright Canada LLP, 45 O'Connor St., Suite 1500.

#### Nov. 2 – Ottawa Branch over 50s luncheon

with David Gordon, Professor and Director, School of Urban and Regional Planning, Department of Geography and Planning.

### Toronto

#### Nov. 30 – Toronto Branch Award reception

Save the date! Join us to celebrate this year's recipient, Sheila Murray, Com'79, Law'82. For more details, see page 45.

### Vancouver

#### Nov. 24 – Kathleen Beaumont Hill Award reception

Save the date! Join the Vancouver Branch as we honour this year's recipient, Heather Clarke, NSc'66. For more details, see page 45.

# EX *libris* New books by faculty and alumni



J. Robert Oppenheimer called the first atomic bomb “technically sweet,” yet as he watched it explode in New Mexico in 1945, he also thought of the line from *The Bhagavad-Gita*: “Now I am become Death, the destroyer of worlds.” Theoretical physicist, scientific director of the Manhattan Project, and a man whose name has become synonymous with the atomic bomb, Oppenheimer was and still is a controversial figure. Following the 70th anniversary of the Manhattan Project, Lindsey Michael Banco’s new book, *The Meanings of J. Robert Oppenheimer*, examines how Oppenheimer has been represented in biographies, fiction, comics, film, television, and other media. The book offers insights into the rise of nuclear culture, the figure of the scientist, and how we think about the relationship between history, imagination, science, and nuclear weapons. **Lindsey Michael Banco**, MA’03, PhD’08, is an associate professor of English at the University of Saskatchewan.

**Brock Jones**, Artsci’00, is co-author of a new book: *Prosecuting and Defending Youth Criminal Justice Cases: A Practitioner’s Handbook*. The book follows the life of a youth criminal justice case from beginning to end, with commentary and analysis. Practical guidance, checklists, charts, and precedents help readers navigate the criminal youth justice process, which includes interviewing clients, arrest and bail matters, trial, and acquittal or sentencing issues. Brock Jones is a Crown attorney in Toronto. Since 2012, he has been an adjunct professor at the Faculty of Law, University of Toronto, where he teaches a course on the *Youth Criminal Justice Act*. He is also the recipient of the 2016 OBA’s Heather McArthur Memorial Young Lawyers’ Award for his exceptional contributions to the practice of law in Ontario and to the Ontario Bar Association.

**Greg Marquis**, PhD’87 (History) has a new book out: *The Vigilant Eye: Policing Canada from 1867 to 9/11*. The book begins with the English and Irish roots of 19th-century British North American policing, then traces the development of the three models of law enforcement that would shape the future: the local rural constable, the municipal police department, and the paramilitary territorial constabulary. The book examines the development of

provincial police services, whose expansion coincided with the rise of mass automobile ownership and controversies over alcohol prohibition and control, and their eventual absorption into the RCMP. In terms of political policing, the vigilant eye has monitored, harassed and disrupted various social and political movements ranging from Fenians to communists, Quebec separatists to environmentalists. Dr. Marquis teaches in the Department of History and Politics at the University of New Brunswick St. John, where he specializes in Canadian history and criminal justice history.

An old record player; an unposted letter; a pair of pearl earrings never purchased; a badly written poem from the woman you love: tokens, gifts, and objects lost or left behind, desired or not wanted at all. These are the starting points for the stories in *Worldly Goods*, a new collection by **Alice Petersen**, PhD’99 (English). The stories reveal that ownership is more than possession, for the author shows how small objects stand as markers of our attempts to communicate with each other. Ms. Petersen’s first short story collection, *All the Voices Cry* (2012), was awarded the Quebec Writers’ Federation Concordia University First Book Prize.

**Michael J. Prince**, MPA’76, is the author of *Struggling for Social Citizenship: Disabled Canadians, Income Security, and Prime Ministerial Eras*. The Canada Pension Plan disability benefit is a monthly payment available to disabled citizens who have contributed to the CPP and are unable to work regularly at any job. This book covers the program’s origins and implementation, liberalization of benefits, and more recent restraint and reorientation. It examines how disability has been defined in programs and distinguished from ability in given periods, how these distinctions have operated, been administered, contested and regulated, as well as how, through income programs, disability is a social construct and administrative category.

Dr. Prince holds the Lansdowne Chair in Social Policy at the University of Victoria. ■

## Telling Stories

“Story is the only real magic left in the world.”  
— Cherie Dimoline



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## TRAVEL/VACATION RENTALS

**Rainforest Ec lodge** in south Pacific Costa Rica owned and operated by Maureen (Sc'81) and John (Sc'78) Paterson. 10% off for Queen's Alumni. [info@riomagnolia.com](mailto:info@riomagnolia.com), [www.riomagnolia.com](http://www.riomagnolia.com)

# Welcome to the family

Our tricolour spirit was in full display throughout our spring convocation season and with that we have welcomed 4,528 new Queen's alumni to the family!

For those of you who have just graduated – welcome to your alumni association – a dynamic global community of close to 150,000 alumni ready to connect with you wherever in the world your degree has taken you. The association's mission is simple: "To reach out and foster a lifelong association with Queen's, to engage our members in the life and work of the university, and to serve the alumni community in all its diversity."

The alumni association has branches in many communities and countries around the world and our QUAA branch volunteers are ready to welcome you. It is a great way to get to know a new community, or find a network at home that can help with a job search. Even when travelling, check out our website to find events that are happening around the globe – and see what your

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fellow alumni are doing in diverse places from Shanghai to Seattle to Sydney. Even if it is not your home branch, you would be welcome to join in on any of the fun and engaging events happening.

Your membership in the alumni association also provides you with discounts and access to on-campus amenities. If you have not yet applied for your Queen's alumni card, do so today. With this, you get a 15% discount on Via Rail, and other benefits and discounts through TruCash. It will also allow you access to the campus libraries and pubs whenever you return to Kingston.

As an association member you have access to programs and services offered by our affinity partners. You can show your tricolour pride and support your alma mater when you apply for and use your Queen's Mastercard, adorned with the iconic Grant Hall. A portion of every purchase is donated to Queen's.

As with all families, it is important to celebrate milestones, and this year we are celebrating two. I am honoured to be the 55th volunteer president of our association as the QUAA celebrates its 90th anniversary and we are delighted to join in the celebrations for Queen's 175th birthday. As part of the 175th celebration, we are asking our alumni around the world to submit a "Global Oil Thigh" video. Gather some friends – or use a selfie stick – don some tricolour and take a video singing the Oil Thigh. Show where you are in the world with a backdrop that shows off your community – perhaps it's your dock at the cottage; maybe it's the Eiffel Tower. Make it fun and be creative. You can submit your video through the Queen's website at [queensu.ca/alumni](http://queensu.ca/alumni). You may see yourself on the big screen at Homecoming!

*Cha Gheill!*

■ **Sue Bates**, Artsci'91  
Volunteer President, QUAA  
@ QUAA.President@queensu.ca  
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No purchase necessary. Contest open to Canadian residents who are the age of majority in their province or territory of residence as of the contest start date. Approximate value of each prize is \$1,000 Canadian. Chances of winning depend on the number of valid entries received by the contest deadline. Contest closes Thursday, December 8, 2016, at 11:59 p.m. ET. Only one entry per person accepted. Skill testing question required.

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