



# the gazette

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## SPIRIT OF HOMECOMING



PHOTO BY LARS HAGBERG



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PHOTO BY LARS HAGBERG

The Queen's community welcomed alumni as they returned to reconnect with the university, former classmates, friends, staff and faculty during Homecoming, where Queen's celebrated the 175th anniversary of receiving a Royal Charter and the successful completion of the Initiative Campaign earlier this year. See more on Pages 4 and 5.

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## Leading the way in giving

BY ANDREW CARROLL,  
GAZETTE EDITOR

While the main aim of the annual United Way campaign is to provide funding for the organizations that help those in need of support, one of the beneficial side effects has been the creation and strengthening of ties between the Queen's and Kingston communities.

A long-time supporter, Caroline Davis, Vice-Principal (Facilities, Properties, and Sustainability), has seen the beneficial work up close as well as the impact that Queen's community members can have.

Ms. Davis wears a number of hats for the United Way: member of the campaign committee; board member of the United Way of Kingston, Frontenac, Lennox and Addington, of which she is the chair this year; and board member for United Way Centraide Canada.

Locally, Ms. Davis has been involved with the United Way KFLA since arriving at Queen's in 2010 and has been impressed by its approach to the annual campaign as well as the way it helps support the community.

"I think the United Way of KFLA is an amazing institution and it's a lot more innovative than most people might expect," she says. "It is that sense of really knowing what we are trying to do that appeals to me. I've always wanted to have a clear sense of mission and values – building strength in the community and bringing resources and people together. That is the kind of thing I enjoy doing. The vision of working towards a better future for everybody really appeals to me."

One area, she says, that might not get a lot of recognition is the



Among her many roles with the United Way, Vice-Principal (Facilities, Properties, and Sustainability) Caroline Davis, front right, serves on the Queen's Campaign Committee. Other members of the committee include, from left: Front - Patty McHenry. Middle - Jerry Brens; Kellie Hart; Emily Johnston; Mary Kemp; Nicole Hunniford. Back: Julian Fraser; Bruce Hutchinson; Sherri Ferris; and Dean McKeown. Committee members not in photo: Nick Graham; James Ligthart; Kelly McGarry; Jonathon Nicholls; Marlee Satok; Dahlia Docrat; and Andrew Carroll.

role that the Queen's community plays in volunteering, such as the Queen's students working with organizations like Pathways to Education, helping students graduate from high school. As for the Queen's fundraising campaign, it is the United Way of KFLA's biggest workplace fundraising effort, with this year's target set at \$310,000, about 10 per cent of the overall goal.

Ms. Davis says she receives "a lot of personal satisfaction" from being involved with the United Way, while the university also benefits. She continues to see the members of the fundraising committee developing their leadership skills, and she enjoys watching the

personal growth that takes place.

Here in Kingston, as in all communities, there is need. However, awareness is the key and that is something she is always looking to improve.

Working at Queen's makes her want to give back to the community – with statistics in mind such as 396 individuals accessing emergency shelter, 11,500 using the food bank, it makes sense to get involved.

"That's where I think the work of the United Way of KFLA attacking the root causes of poverty makes so much sense. Bringing ideas as well as volunteers to a problem, and working with the community to solve it."

*Funds raised help the United Way support more than 57 programs delivered by 40 agencies that serve approximately 75,000 people in the KFLA area.*

*Queen's community members can back the United Way through payroll deduction, a one-time gift, credit card, cheque or cash. To make a donation online through the United Way's ePledge system, simply go to [queensu.ca/unitedway](http://queensu.ca/unitedway). Please note that if you donated last year and selected the auto-renewal action, no further action is required unless you would like to change your donation.*

*For more information call the United Way office at 613-542-2674 or email [campaign@unitedwaykfla.ca](mailto:campaign@unitedwaykfla.ca).*

## Making cyber security a priority

BY COMMUNICATIONS STAFF

October is Cyber Security Awareness Month, and Information Technology Services (ITS) is committed to ensuring Queen's community members have the knowledge and tools they need to be vigilant online.

"IT security at Queen's is everyone's responsibility," says Bo Wandschneider, Chief Information Officer and Associate Vice-Principal (Information Technology Services). "The university has implemented several measures to help protect our users from malicious attacks; however, everyone

needs to remain vigilant against such attacks."

Most cyber security threats are delivered to victims by email, through websites, or by exploiting a vulnerability in a computer's software or hardware.

By following five guidelines, individuals can help reduce the risk of cyber threats:

- Keep your operating system, applications, and anti-virus software up-to-date with the latest patches.
- Run routine anti-virus scans and promptly remove viruses and infected files.
- Be careful about what you

are clicking on. Don't open unexpected emails, attachments, or web links.

- Encrypt computers and devices that contain, or may contain, sensitive data.

- Back up your files regularly in case they need to be recovered from an earlier version. Saving your files on OneDrive or in your Windows File Service drive ensures your files are protected if your computer is affected. Store your files on one of Queen's University's secure file storage services.

"If you suspect that your computer may be infected with ran-

somware or any other type of malware, please contact the IT Support Centre immediately," says Denise Ernst, Queen's University Information Security Officer. "We also encourage members of the Queen's community to complete the Information Security Awareness Training course, and familiarize themselves with the security resources available to them."

To learn more on how to protect yourself from becoming a victim of a cyberattack, and putting your identity and the university data at risk, visit the ITS website ([queensu.ca/its/security](http://queensu.ca/its/security)).

# the gazette

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#### QUEEN'S UNIVERSITY VICE-PRINCIPAL (UNIVERSITY RELATIONS)

Michael Fraser

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Queen's  
UNIVERSITY

# Funding innovation and wellness

BY CHRIS ARMES,  
COMMUNICATIONS OFFICER

On Oct. 11, Queen's announced that it had received a \$31 million investment from the Government of Canada, under the Post-Secondary Institutions Strategic Investment Fund (SIF). The investment, in addition to a \$4.9 million investment from the Government of Ontario and the contributions of a number of benefactors, will support two capital projects on campus—the creation of the Queen's Innovation and Wellness Centre and a revitalization of on-campus biomedical research facilities.

"We are incredibly grateful to the federal and provincial governments, as well as the countless generous donors who have made this investment in the future of Queen's," says Daniel Woolf, Principal and Vice-Chancellor. "The projects their investments support will enhance innovation programming at Queen's and strengthen the university's position in world-leading research. We look forward to continued future partnership with the government in strengthening innovation, research and economic development in Kingston and Canada as a whole."

The Innovation and Wellness Centre, located on the site of the former Physical Education Centre, will feature expanded engineering facilities, makerspaces and experiential learning spaces funded by the SIF investment. The centre will be home to an Innovation Hub – centered around the successful Queen's Innovation Connector – and state-of-the-art interdisciplinary laboratories. These facilities will increase opportunities for research, student design and learning, while also strengthening the university's position in world-leading research.

The Innovation and Wellness Centre will bring collaborative and experiential learning spaces, state-of-the-art laboratories and mental health and wellness services together in one convenient location at the heart of campus.

The innovation and engineering facilities will be co-located with space for Student Wellness Services and the Chaplaincy. The wellness centre, funded entirely by philanthropic gifts, will also feature athletic and recreation facilities, the Queen's University International Centre, and a new Exam Centre. The co-location of innovation and wellness services, a recommendation of the Principal's Commission on Mental Health, will blend academic, recreational and other student



After receiving \$31 million from the Government of Canada through the Post-Secondary Institutions Strategic Investment Fund, \$4.9 million from the Government of Ontario, and further funding from a number of benefactors, Queen's will be able to build the Queen's Innovation and Wellness Centre, seen in this architect's rendering, and revitalize on-campus biomedical research facilities. Below, Mark Gerretsen, MP for Kingston and the Islands, and MPP Sophie Kiwala tour the Physical Education Centre following the funding announcement.



PHOTO BY BERNARD CLARK

life activities, and will emphasize to students the important relationships that connect mental health, physical well-being and academic success. The project will also provide both a short-term and long-term economic stimulus to the Kingston community – through construction jobs and ongoing research and innovation, respectively.

"Today's investment from the Strategic Investment Fund is evidence of the government's commitment to excellence in research, and understanding that we need to support our students, both in and out of the classroom," says Mark Gerretsen, MP for Kingston and the Islands. "By investing in our educational facilities, univer-

sities and colleges across the country can foster the development of skilled and successful workers, who will help Canadian companies compete and grow in a global market."

The SIF investment will also allow for the revitalization of campus biomedical research facilities that support research by a number of top-level research groups at Queen's. The investment will strengthen Queen's and Canada's position in world-leading biomedical research – providing Queen's researchers with the facilities necessary to expand their translational research in areas such as neurological, cardiovascular and cancer research.

"Improving post-secondary fa-

"We are incredibly grateful to the federal and provincial governments, as well as the countless generous donors who have made this investment in the future of Queen's. The projects their investments support will enhance innovation programming at Queen's and strengthen the university's position in world-leading research."

— Daniel Woolf

donors were inspired by the vision put forth by Dean Kim Woodhouse to promote entrepreneurialism within the faculty, and build on Queen's standing as the premier engineering program in Canada.

"This is truly a game-changing addition for the faculty and the university as a whole," says Mr. Norris. "This campaign focused on reconnecting our alumni with the faculty and inspiring them with the vision put forth by Dean Woodhouse. This was a grassroots program that will hopefully have impact on the Queen's community for generations to come."

Kimberly Woodhouse, Dean of the Faculty of Engineering and Applied Science, says the new facility will play a vital role in the lives of students and the university as a whole.

"This generous funding from two levels of government, combined with the passionate support of dedicated Engineering alumni like Mike Norris, helps the Faculty of Engineering and Applied Science remain a leader in engineering education and research," says Dean Woodhouse.

The total cost of the two projects is approximately \$119 million. In addition to the government funding announced today, Queen's is contributing nearly \$45.8 million towards the projects. Construction on the Innovation and Wellness Centre began in September and is expected to be completed in spring 2018.

ilities is part of our government's plan to build Ontario up, grow our economy and create jobs, so I'm incredibly pleased that we are able to work cooperatively with Queen's University and our federal counterparts," says Sophie Kiwala, MPP for Kingston and the Islands. "Through this investment, we foster excellence, build our capacity to train the highly-skilled workforce of tomorrow, and to create knowledge and insights that will fuel discovery."

Nearly \$37 million was donated by Faculty of Engineering and Applied Sciences alumni to support the innovation component of the revitalization project. Michael Norris (Sc'75), the volunteer chair of the Faculty of Engineering and Applied Sciences fundraising campaign said

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# The colour of Homecoming

BY COMMUNICATIONS STAFF

Homecoming 2016 was a special event as Queen's University celebrated its 175th anniversary and the successful conclusion of the Initiative Campaign with returning alumni.

Among the highlights of the weekend was the annual Homecoming football game, held for the first time at the revitalized Richardson Stadium. Among the special guests for the game between the Queen's Gaels and Windsor Lancers was Lieutenant Governor of Ontario, the Honourable Elizabeth Dowdeswell, who presented the game ball.

Dozens of events were hosted throughout the weekend by faculties and departments across the university, allowing alumni to meet up with acquaintances from the past, as well as dear friends, and create more special memories.

More photos can be viewed at [flickr.com/photos/queensucanada/](http://flickr.com/photos/queensucanada/).



PHOTO BY STEVEN WILD

Lieutenant Governor of Ontario, the Honourable Elizabeth Dowdeswell, was welcomed back to Queen's during Homecoming where she delivered a brief talk after receiving a tricolour scarf.



PHOTO BY LARS HAGBERG

Following a pep rally on Saturday, Oct. 15, the Queen's Bands prepare to lead the Alumni Parade to the revitalized Richardson Stadium for the Homecoming football game.



PHOTO BY LARS HAGBERG

The Alumni Parade was held prior to the start of the Homecoming football game, taking alumni from Grant Hall, where a pep rally was held, to the revitalized Richardson Stadium.



PHOTO BY LARS HAGBERG



PHOTO BY LARS HAGBERG



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The Queen's branch of Engineers Without Borders once again held their Pumpkin Smash with a gigantic pumpkin weighing more than 1,000 pounds making a lasting impact for awareness and raising funds.



PHOTO BY LARS HAGBERG

Ahead of the kickoff for the Homecoming football game the trio of, from left, Queen's University Alumni Association president Sue Bates, Chancellor Jim Leech and Principal Daniel Woolf, take the field at Richardson Stadium. The game itself drew a crowd of more than 8,000, including many alumni and their families.



PHOTO BY LARS HAGBERG



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Mary Ann Spencer, Queen's Elder in Residence, MP Mark Gerretsen, Kingston Deputy Mayor Peter Stroud, MPP Sophie Kiwala, and Principal Daniel Woolf help plant the scarlet oak in honour of the 175th anniversary of Queen's being granted a Royal Charter.

## New roots for 175th

BY COMMUNICATIONS STAFF

Queen's University was incorporated by an Imperial Royal Charter issued by Queen Victoria on Oct. 16, 1841.

The university marked the 175th anniversary of that historic occasion with a tree dedication in the Snodgrass Arboretum in front of Summerhill on Sunday, Oct. 16.

Earlier in the day, Queen's Principal Daniel Woolf and University Historian Duncan Mc-

Dowall visited St. Andrew's Presbyterian Church, where they attended a special service that recognized the important role that church played in Queen's early history.

Queen's is celebrating its 175th anniversary in 2016-17. Many units, departments, and groups across campus are planning special events or incorporating the 175th anniversary into their existing activities. To learn more, visit the Queen's 175th website ([queensu.ca/connect/175/](http://queensu.ca/connect/175/)).



UNIVERSITY COMMUNICATIONS

The tree, a scarlet oak, and plaque are located in the Snodgrass Arboretum in front of Summerhill.



Prior to the tree planting, Principal Daniel Woolf (left) and University Historian Duncan McDowall (third from the left) attended a special service at St. Andrew's Presbyterian Church celebrating the deep connections the two institutions share. Dr. McDowall, who recently published a third volume in Queen's official history, presented a copy of that book to church member David Holland, while Principal Woolf gave Changuk Sohn a framed document that details the important role the church played in Queen's early history.

\*Prices are in CDN\$ per person, dbl. occ. Taxes included. Not included: any personal expenses, such as insurance, passport fees, any meals, or items not mentioned. ON-4499356/4499372 | BC-34799 | 111 Peter Street, Suite 200, Toronto, ON. M5V 2H1 | Canadian owned

## viewpoint

Viewpoint offers faculty, staff and students the opportunity to reflect on a wide range of topics related to Queen's and post-secondary education. Email submissions or ideas to [andrew.carroll@queensu.ca](mailto:andrew.carroll@queensu.ca)

# In celebration of life-giving blood

BY DAVID LILLICRAP, PROFESSOR,  
DEPARTMENT OF PATHOLOGY &  
MOLECULAR MEDICINE

As a hematologist, of course I'm biased, but I would propose

that there are many reasons to celebrate the importance and distinct nature of blood. At Queen's, we unashamedly impart this message to our



medical students through Jackie Duffin's annual first year lecture entitled "Why is Blood Special?"

On Sept. 12, at the Canadian Museum of Nature in Ottawa, I had the privilege of attending an event that reminded me once again how special blood is. The National Honouring our Lifeblood recognition ceremony is an annual event organized by Canadian Blood Services to celebrate the contributions of people and organizations who make our country's blood system, stem cell network and transplant organization a national treasure. Canadian Blood Services evolved from the Krever Commission Report on the Blood System in Canada, and this year marks the 18th anniversary of this outstanding organization.

The collective altruism of the more than 120 people attending this event was remarkable and humbling. The individual blood, stem cell and organ donors, donor recruitment volunteers and Canadian Blood Services staff members honoured during the evening all ensure that our volunteer blood system provides a safe and effective infrastructure for medical care in Canada. Just one example of the amazing honorees receiving awards was a gentleman from Nova Scotia who has a lifetime donation count of more than 1,050 units.

At this year's Honouring Our Lifeblood event the Queen's Faculty of Health Sciences was well represented by recipients of the two foremost honours that the organization bestows; the 2016 Schilly Award for excellence in recruitment and promoting awareness of the need for blood, stem cells, or organs and tissues, and of the Lifetime Achievement Award.

Mackenzie Curran, a first-year Queen's nursing student was this year's Schilly Award honoree. At age 16, Mackenzie was diagnosed with myelodysplastic syndrome (preleukemia) at KGH. This is a very unusual diagnosis for someone so young, and it took the combined expertise of Drs. Farmer, Good and Rauh to

confirm the early evolution to acute myeloid leukemia in Mackenzie. Dr. Mariana Silva has since managed Mackenzie's clinical care that ultimately required a stem cell transplant performed at Sick Kids in Toronto. The search for a stem cell donor resulted in the recruitment, in Kingston, of thousands of new donors, and eventually an unrelated donor was found who Mackenzie subsequently got to meet last year.

Following the recovery from her transplant, Mackenzie felt inspired to give back to the blood system and her goal is to replace the 1,000 blood donations she received during treatment. Over 400 units of blood have been collected to date, and 2,000 potential donors have been added to the stem cell registry. In the past month, she has already started to recruit new donors from her Queen's student peers. Mackenzie advocates for blood and stem cell donation, appearing on television, radio and at numerous events including speaking to members of Parliament about the Canadian blood system. In short, she is an impressive young woman, and we are fortunate in recruiting her to our nursing program.

*Dr. David Lillicrap was also an award recipient at the National Hon-*

*ouring our Lifeblood recognition ceremony receiving the Canadian Blood Services' Lifetime Achievement Award in recognition of his long-standing engagements with the research portfolio of the Canadian blood system, and the Queen's Hemostasis Group's landmark contributions to the field of hemostasis, and to improving the lives of patients with bleeding disorders. Dr.*

*Paula James and all members of the Queen's Hemostasis Group should also be congratulated for their invaluable contributions, which led to this award.*

*This ViewPoint was originally published as a guest blog on Dean of Health Sciences Richard Reznick's Dean on Campus blog. Other postings can be viewed at [meds.queensu.ca/blog/](http://meds.queensu.ca/blog/).*



QUEEN'S UNIVERSITY ARCHIVES

**With the recent announcement of the creation of the Queen's Innovation and Wellness Centre, Flashback takes a look at the Physical Education Centre (PEC), upon which the project is centred. Construction of the PEC was completed in 1931, offering gymnasiums as well as swimming, diving and water polo facilities. This photograph, from the Queen's University Archives shows the PEC in the 1940s from across Union Street.**

## liveslived

Lives Lived is a space to share your memories of a Queen's community member who recently died. Email your submissions to [andrew.carroll@queensu.ca](mailto:andrew.carroll@queensu.ca)

# Admired for ability, remembered for sense of humour

On Wednesday Sept. 21, the Queen's and Kingston communities lost a very special individual. Dr. Ron Wigle passed away with his family by his side at the age of 74.

Ron was a proud graduate of Queen's Medicine (1965), and completed his internship, residency and fellowship training in respiratory medicine both at KGH and at Columbia Presbyterian Hospital in New York.

In 1971, Ron returned to work at Queen's and KGH, where he founded the division of respirology alongside his colleague and dear friend, Dr. Peter Munt.

Ron served many roles at Queen's from Director of the Residency Training Program, to Service Chief to Associate Dean, Post-graduate Medical Education.



**Ron Wigle**

Ron's leadership also extended to the provincial and national stage; he served as president of the Ontario Thoracic Society and served on the Board of the Canadian Thoracic Society. He was a key figure

in the early days of critical care in Ontario, serving as a Founding Member and Chairman of Ontario Critical Care Program.

Ron was a highly-skilled clinician who was admired for his talent and ability, but what we will remember most is his incredible sense of humour. This jovial nature was part of what made him an outstanding – and memorable – teacher. He approached every interaction with a joke or something humorous to say, and found great pleasure in making others smile.

Ron will also be remembered for his outstanding mentorship. He imbued confidence in others, and his trainees and mentees always knew that he had their backs. Along with his late wife Barbara, Ron welcomed hundreds

of students in to his home and put a tremendous amount of energy into building strong personal relationships with his trainees.

Late in his career, Ron was honoured with the establishment of a School of Medicine award in his name. The award was created in recognition of his role as an outstanding mentor, and the professional values he epitomized throughout his career.

The purpose of the award, as written in the Terms of Reference, characterizes the wonderful person that he was:

"Dr. Wigle was committed to promoting the success of others to the ultimate benefit of the medical community at large. Throughout his exemplary career at Queen's University, numerous faculty, undergraduate and graduate stu-

dents flourished through his wise guidance and encouraging leadership. This award, named in his honor, will help to perpetuate these important virtues by recognizing those who embody them."

We were fortunate to have such an incredible person here in the Faculty of Health Sciences, and Ron will be deeply missed.

Dr. Wigle was predeceased by his wife of 50 years Barbara. He is survived by his children Dr. Dennis Wigle, Jennifer Cross and Michael Wigle as well as grandchildren Joseph, Nathan, Abigail, Elizabeth, Morgan, Lauren, Evelyn, Penelope and Russell.

*This Lives Lived was written by Richard Reznick, Dean, Faculty of Health Science with help from Dr. Leslie Flynn, Dr. Stephen Archer and Jen Valberg.*

## Queen's in the news

Highlights of Queen's experts in the media from Oct. 7-20

## INTERNATIONAL

**Karen Yeates** (Medicine) had her program in Tanzania using smartphones to help screen for cervical cancer, profiled on BBC Radio.



**Katherine O'Brien** (International) says that international exchange or study-abroad programs give Canadian students an edge when it comes to entering the job market, in *The Globe and Mail* Canadian University Report.

**Nicholas Bala** (Law) told the *Toronto Star* we need to invest in our children now or pay a huge price later.

**Anika Cloutier** (Business) said owning an animal could do wonders for your love life in the *Kingston Whig-Standard*, *Welland Tribune*, the *Sault Star*, *Regina Leader Post* and a number of other Sun Media newspapers.

## NEWSPAPERS

**Kathy Brock** (Political Studies) examined the first presidential debate, in the *Ottawa Citizen*.

**Robert Lovelace** (Global Development Studies) commented on the significance of a settlement between the Algonquins of Ontario and the federal and provincial governments, and discussed next steps in the formal negotiations, in the *Kingston Whig-Standard*.

**Scott Thompson** (Surveillance Studies Centre) commented on modern surveillance and people getting away with things in a crowd in the *North Bay Nugget* and the *Kingston Whig-Standard*; commented in the *Toronto Star* on the recent incident at the *Blue Jays* game where a fan tossed a beer can on the field.

## ONLINE

**Lisa Kerr** (Law) says there is a high degree of variability in the use of solitary confinement across Canada - suggesting legislation governing the use of administrative segregation is inadequate, on *CBCNews.ca*.



**Shelley King** (English Language and Literature) reviewed Kimberley Reynold's work - *Left Out: The For-*

*gotten Tradition of Radical Publishing for Children in Britain 1910-1949*, for *Times Higher Education*.

**Tracy Ware** (English Language and Literature) commented on Nobel laureate Bob Dylan on *ctvnews.ca*.

**Udo Schuklenk** (Philosophy) suggested in *The Christian Institute* that applicants to medical school should be screened and eliminated if they cannot put aside their moral values.



**David Hanes** (Astronomy) provided a sneak-peak for the recent *Supermoon*, on *CBCNews.ca*.

**Luc Martin** (Kinesiology and Health Studies) says that fans can experience de-individualization in a group and become an anonymous part of it, leading to behaviour and actions that they may otherwise never do, on *Yahoo! Canada*.

**Roel Vertegaal** (Computing) was interviewed about the unveiling of the *WhammyPhone* by *Phone Arena*, *Slash Gear* and other trade publications.

**Maggie Berg** (English Language and Literature) had her book, encouraging work-life balance and rejecting the culture of speed in aca-

demia, reviewed in *Times Higher Education*.

## TELEVISION

**Ciara Bracken-Roche** (Sociology/Surveillance Studies Centre) discussed the release of proposed new regulations around the use of drones - such as registration and licensing - on *CBC The National* and *CBC Radio*.



**Kathleen Lahey** (Law) appeared on *CTV News Channel* discussing the *Donald Trump* tapes.

**Kenneth Wong** (Business) commented on *CBC TV* and *CBC Radio* that *Samsung* has to do better than just replacing its problematic phones.

## RADIO

**Peter Davies** (Biochemistry) was on *CBC Radio* in a number of *BC* markets, discussing a court challenge launched over approval of genetically modified salmon for human consumption.

**John Andrew** (Business, Geography and Planning) was on *CBC On-*

*tario Morning* to discuss how closing the primary residence real estate tax loophole could impact domestic home buyers and developers. He was also interviewed on *CBC Radio* syndication on proposed changes to mortgage insurance rules.

**Sergio Sismondo** (Philosophy) discussed the ethical concerns over pharmaceutical companies paying for sponsored content in news outlets regarding medical conditions they produce treatments for, on *CBC Radio*.

## MAGAZINE

**Don Drummond** (Policy Studies) says that it may be too early to tell whether the *Liberal Government's* budget plan has selected the right infrastructure projects to fund to bring about economic growth for *Maclean's Magazine*; said a lot has been tried to boost innovation but *Canada's* performance still isn't great, for *Maclean's Magazine*.

**Helen Driver** (Medicine) told *Best Health Magazine* that we, as a society, are increasingly sleep deprived which increases our risks for certain health issues and creates additional struggles in our daily lives.

## A space for safe disclosure

*The Gazette series on the Office of the University Ombudsman concludes with a look at its role within the Policy and Procedures for Safe Disclosure Reporting and Investigation. Previous installments in the series introduced the office and detailed how University Ombudsman Harry Smith works with many different stakeholder groups at Queen's, including non-unionized staff.*

BY MARK KERR, SENIOR COMMUNICATIONS OFFICER

There's an easy way to report professional or financial misconduct at Queen's, and it doesn't involve dark alley meetings typically seen in movies.

"Queen's wants to know about actions or activities that might undermine its commitment to a culture of honesty, transparency, and accountability," says Harry Smith, University Ombudsman. "Members of the Queen's community can report concerns to their direct supervisor or university administrator. However, the university recognizes that some members of the community may be hesitant to raise certain issues using direct or formal channels. If they think they are unable to pursue other available options, they can contact our office and file a report using the university's Safe Disclosure Reporting and Investigation Policy."

The policy provides a mecha-

nism for reporting, investigating, and responding to disclosures that are not governed by existing university policies or collective agreements. The University Ombudsman acts as the Safe Disclosure Officer under the policy. Members of the Queen's community who have concerns can contact Mr. Smith directly by using the telephone line dedicated to safe disclosure matters at 613-533-2030 or by emailing [ombuds@queensu.ca](mailto:ombuds@queensu.ca).

"Under the policy, anonymous reports can be accepted, and all reasonable steps will be taken to protect the position and reputation of the person who makes the disclosure," Mr. Smith says. "However, it's worth noting that the decision to remain anonymous may influence any subsequent investigation of the alleged act. It could affect the ability to gather evidence. And it can make it difficult to corroborate or test the veracity of the information disclosed."

"It is necessary to balance the rights of the person disclosing the information with the rights of the person responding to the allegation, and to shield people who may be falsely accused," Mr. Smith adds.

There is one more option avail-

## Improper acts defined

Queen's recognizes that the good-faith reporting of alleged improper acts is a necessary and valuable service to the university and all of its members. Some examples of improper acts include:

- Contravention of university policies or regulations.
- Contravention of standards and values identified in university policies or regulations.
- Contravention of relevant local, provincial, or federal laws.
- Theft, embezzlement, misappropriation, misapplication, destruction, damage, removal, concealment, or misuse of university property, assets, or funds.
- Endangering the life, health, or safety of persons or to the environment.

able that provides an additional degree of separation from the university when reporting. Faculty, students, staff, and administration can report misconduct to an external third-party service provider called *ConfidenceLine*. This option is limited to potential fraud or financial misconduct within the university, but the disclosure may be made without the requirement to provide their name, contact in-

formation, or any information that might lead to their identity.

*ConfidenceLine* can be reached toll-free at 1-800-661-9675 or online via [www.queensuniversity.confidenceceline.net](http://www.queensuniversity.confidenceceline.net).

"The university has numerous checks in place that limit the opportunity for wrongdoing, but the range of workplace policies and reporting requirements can become confusing," Mr. Smith says. "The safe disclosure policy aims to make the choice to express concerns or disclose information a bit easier."

The university wants to foster trust, candor, and accountability. When other options seem inaccessible, the safe disclosure policy provides a supplementary channel for those who may be reluctant to raise difficult issues. As with other conversations at the Office of the University Ombudsman, there will be a discussion about the options available, whether or how to escalate the issue, and what the implications are of choosing a particular course of action.

Visit the University Ombudsman website ([queensu.ca/ombudsman/](http://queensu.ca/ombudsman/)) to learn more and read the entire *Safe Disclosure Reporting and Investigation Policy*.

gina karkoulis

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## The art of engineering

BY COMMUNICATIONS STAFF

Homecoming this year marked the inauguration of a new artwork piece featured in the front foyer of Beamish-Munro Hall.

The 38-foot-tall sculpture of steel, wood, acrylic and paint is meant to add dramatic impact to the entryway and to symbolise the intersection of art and engineering. Toronto artist Kwest completed and installed the work the first week of September.

"It's creating something that could last at Queen's for generations," Kwest says. "I see it as an awesome opportunity. The space is amazing. This city is amazing. It's been a really cool process."

The process of creating the piece spanned six months. Earlier this spring Kwest and a group of Queen's engineering students gathered for two days to workshop ideas. Together they visited the Agnes Etherington Art Centre and the Queen's University Archives to gather inspiration. They talked a lot about engineering at Queen's, the creative aspects of engineering design and the legacy the new piece represents.

"In most public art calls, you submit your ideas and all the work falls to you," Kwest says. "In this case, the collaboration with students was unique. It's one thing that really appealed to me about this installation: being able to create a piece with the students who actually go here and know what this place is about. It's about getting a better understanding about what's actually happening here."

Queen's engineering student Max Lindley-Peart is one of those who worked with Kwest in the spring.

"It was really interesting doing a bit of background research behind the piece, trying to understand what we wanted to represent," he says. "What does it mean to be part of Queen's engineering? What is the history of Queen's?"



Dean of the Faculty of Engineering and Applied Science Kim Woodhouse welcomes Bill Leggett and his wife Claire, at Beamish-Munro Hall where a new art piece honouring the former Queen's principal was unveiled. The piece, 'synapse' was created by artist Kwest in collaboration with engineering students.

**"It's creating something that could last at Queen's for generations. I see it as an awesome opportunity. The space is amazing. This city is amazing. It's been a really cool process."**

— Kwest

How is that going to play into the piece? I really enjoyed that process."

The piece, eventually named 'synapse,' was dedicated, Thursday, Oct. 13 by Faculty of Engineering and Applied Science Dean Kim Woodhouse in honour of Queen's 17th principal and vice-chancellor William C. Leggett.

"My personal favourite time to see the art is at night," says Lindley-Peart. "I love biking by on my way home after class. It's so wonderful with the lights. It's a really nice introduction to the space and I can't wait to see the plaque that explains what's going on in it."



## Fostering an exchange of ideas

BY ANNE CRAIG,  
COMMUNICATIONS OFFICER

A Queen's law professor and a cultural studies doctoral candidate are heading south of the border to participate in a research exchange. Heading north to Canada from the United States are a political studies PhD candidate and a business professor. The swap is part of the Fulbright Canada Exchange Program.

Taylor Currie (Cultural Studies) has been selected to participate in the research exchange of a lifetime as she heads to the University of Maryland as part of the exchange. Ms. Currie is studying the past public relations campaigns of Dupont and how they impacted the American public.

"I really want to immerse myself in the American academic culture," says Ms. Currie. "Earning a Fulbright is a dream come true because of how close I will be located to the National Archives of America, which is vital to my research. I'll also have access to the Hagley Museum and Library, a business archive containing all of Dupont's files."

Meanwhile, Dartmouth College PhD candidate Josh Tupler is heading to Queen's to study in the Centre for International and Defence Policy (CIDP) and will conduct research with CIDP director Stefanie von Hlatky.

The focus of Mr. Tupler's work at Queen's will be Canada's and NATO's decision to use military force in the post-Cold War era. He chose the centre because of its focus on military policy. He also has a relationship with former director of the CIDP David Haglund (Political Studies).

Emeritus Professor Allan Manson (Law) will participate in an exchange to the University of California to research Nunavut's unique single-level trial court system.

Heading to Canada is Jay Liebowitz (Harrisburg University of Science and Technology). Dr. Liebowitz will collaborate with Queen's professors Yolande Chan and Jay Handelman (Smith School of Business) during the summer 2017 as the Fulbright Visiting Research Chair in Business. Their research will focus on the use of intuition for IT innovation.

Fulbright Canada encourages and promotes bi-national collaborative research on topics that reflect the broad range of contemporary issues relevant to Canada, the United States, and the relationship between the two countries.

## Queen's connections for two new Nobel Laureates

BY COMMUNICATIONS STAFF

Some of the most recent Nobel Laureates are quite familiar to the Queen's community as two of them spent time on the local campus. David Thouless and J. Fraser Stoddart received medals in physics and chemistry, respectively.

Dr. Thouless shared the prize with J. Michael Kosterlitz and

Duncan Haldane for untangling the mysteries of two-dimensional quantum fluids such as electrons in thin semiconductor layers. He applied the concept of topology to explain the quantum Hall effect. This work opened up the field of topological insulators, topological superconductors and topological metals, which are still very active areas of research today.

Dr. Thouless came to Kingston in 1977 and spent a year as a full professor in the physics department. During that time, he co-wrote a paper with Queen's physics emeritus professors Don Taylor and John Harrison on spin excitations in a one-dimensional system.

J. Fraser Stoddart, received the Nobel Prize in chemistry for the design and production of molec-

ular machines. He and two other co-Nobel Laureates, Jean-Pierre Sauvage and Bernard Feringa, have developed molecules with controllable movements. Dr. Stoddart came to Queen's to do his postdoctoral research work. He was guided by emeritus professor Walter Szarek (Chemistry) and they published a total of eight papers together starting in 1968. They became close friends.



## 2+2 agreement signed with university in UAE

BY COMMUNICATIONS STAFF

Officials from the Canadian University Dubai (CUD) recently visited Queen's to sign an agreement creating a 2+2 pathway program.

The agreement follows a series of meetings between the two institutions.

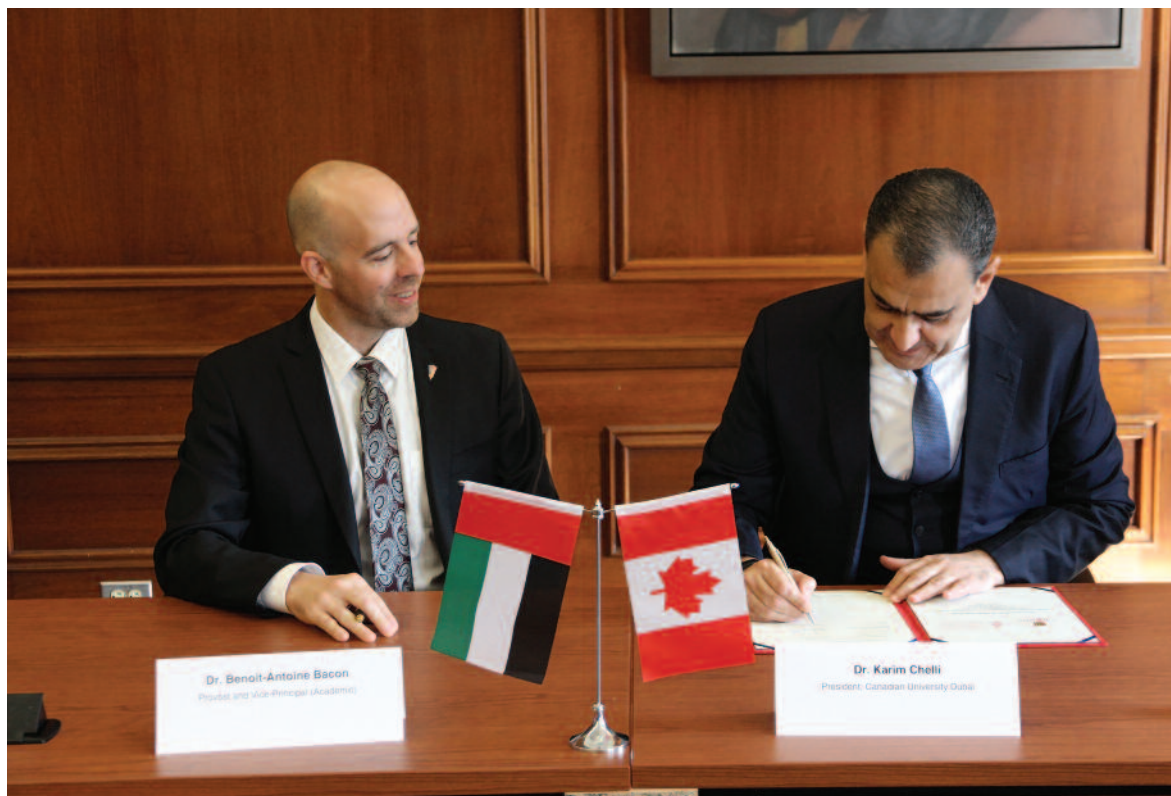
The agreement allows for qualified CUD students to transfer into the Bachelor of Computing (Honours) degree program in the Faculty of Arts and Science after completing their second year of studies.

A cohort of five to 20 undergraduate students annually would be eligible to transfer to Queen's to complete the final two years of

their program in the School of Computing.

Located in the heart of Dubai, CUD offers students the opportunity of a Canadian-based curriculum while experiencing the culture and values of United Arab Emirates (UAE). Founded in 2006, the Canadian University Dubai currently consists of the School of Architecture and Interior Design, the School of Business, the School of Engineering, Applied Science and Technology and the School of Environment and Health.

All programs at CUD are accredited by the Ministry of Education Higher Education Affairs of the UAE to award degrees/qualifications in higher education.



Provost and Vice-Principal (Academic) Benoit-Antoine Bacon and Karim Chelli, President and Vice-Chancellor of the Canadian University Dubai, sign an agreement between the two institutions creating a 2+2 pathway Bachelor of Computing (Honours) degree program.

## Visit helps solidify new link with China

BY COMMUNICATIONS STAFF

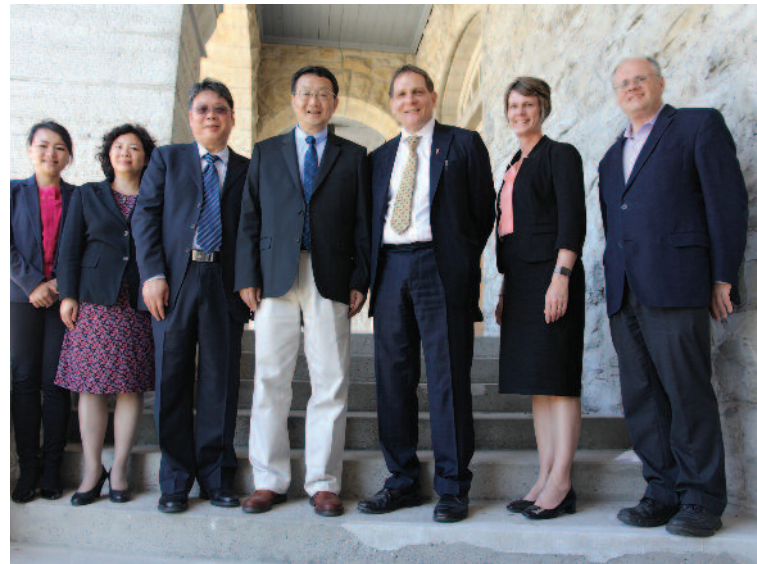
Queen's Principal Daniel Woolf recently met with a delegation from the China University of Geosciences to solidify a partnership between the two institutions.

"I am delighted to continue building upon the strong relationship that we have fostered over the years with our counterparts in China, including this new collaboration with the distinguished China University of Geosciences," said Principal Woolf during remarks at the signing in Richardson Hall.

Wang Hongbing, University Council Chairman for the China University of Geosciences, Beijing (CUGB), signed the new agreements on behalf of CUGB and also offered remarks during the meeting.

The new agreement between Queen's and the Beijing university includes a general memorandum of understanding with Queen's Faculty of Arts and Science and the Faculty of Engineering and Applied Science. In particular, the new agreement will make available opportunities for CUGB students to study in Queen's Department of Geological Science and Geological Engineering.

During the visit, the Chinese delegation met with Queen's officials in Arts and Science, and Engineering and Applied Science,



A delegation from the China University of Geosciences recently visited Queen's. From left: Pian Huayan, Translator, International Cooperation Office; Cai Min, Deputy Director, International Cooperation Office; Wang Genhou, Dean of School of Earth Sciences and Resources; Wang Hongbing, University Council Chairman; Principal Daniel Woolf; Kathy O'Brien, Associate Vice-Principal (International); and Hugh Horton, Interim Vice-Dean, Faculty of Arts and Science.

took a campus tour, and enjoyed a lunch hosted by Kathy O'Brien, Associate Vice-Principal (International).

Queen's launched its Comprehensive International Plan in August 2015 to support its internationalization efforts. The plan's goals include strengthening Queen's international research engagement and creating more opportunities for student mobility

through programs like academic exchange programs. The plan also aims to attract high-quality international students to Queen's and to increase international educational opportunities on the Queen's campus.

For more information on the Queen's-China connection, visit the Queen's International website ([queensu.ca/international/affiliations/china](http://queensu.ca/international/affiliations/china)).



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# Mapping out path to the future

BY MARK KERR, SENIOR COMMUNICATIONS OFFICER

As Jennifer Williams sets out on her journey toward a master's degree, she's comforted knowing there's now a map to help guide her way.

"The grad maps are such a useful and innovative resource," says Ms. Williams, master's candidate in the School of Kinesiology and Health Studies. "As a new master's student, I like how the map helps me keep track of academic and research timelines, while also presenting relevant extracurricular career opportunities, like conferences and professional development certificates. There are so many opportunities I never would have come across – ones that I am eager to try now."

Queen's Career Services and the School of Graduate Studies collaborated to develop 71 program-specific grad maps. They offer master's and PhD candidates advice on academics, research, and career opportunities, all in one document.

"The question of 'where can a graduate degree take me?' is among the most frequently asked. Students can now turn to their program-specific grad map and visualize the interconnectedness of their academic program, professional development, and career preparedness to begin answering that question," says Brenda Brouwer, Vice-Provost and Dean, Queen's School of Graduate Stud-



Rebecca Hügler, Coordinator, Communications and Post-Doctoral Training, and Miguel Hahn, Career Counsellor, display a selection of both grad maps and major maps. The School of Graduate Studies and Career Services recently launched 71 program-specific maps that offer graduate students advice on academics, research, and career opportunities. The grad maps build on the success of major maps that Career Services began offering to undergraduate students in 2015.

ies. "Taking the time to plan for the future and explore multiple options, broaden the grad experience, and build networks can help students approach the transition after graduation with confidence – the grad maps are a wonderful tool to support that process."

Each map provides information about the specific program and studying at Queen's, as well

as potential learning and professional development opportunities in five overlapping areas: academic goals, research impact, skill development, community engagement, and career preparation. Additionally, the maps serve to assist graduate students as they articulate to potential employers the skills they developed over the course of their academic program.

The grad maps build on the success and popularity of the major maps for undergraduate students that Queen's unveiled in 2015. Queen's, which was the first Canadian university to develop major maps, received the Excellence in Innovation Award (Student Engagement) from the Canadian Association of Career Educators and Employers in 2015

"Taking the time to plan for the future and explore multiple options, broaden the grad experience, and build networks can help students approach the transition after graduation with confidence – the grad maps are a wonderful tool to support that process."

— Brenda Brouwer

for the resource. The major maps have been generally well-received by students, garnering more than 110,000 online page views since they were launched.

"We have been at the forefront of developing the maps, and we are thrilled to be the first university in North America to create them for graduate students," says Cathy Keates, Director, Queen's Career Services. "We believe the grad maps do an excellent job of clarifying the different career pathways, both academic and non-academic, that students can pursue."

The Queen's grad maps have been posted on the Career Services website ([careers.queensu.ca/gradmaps](http://careers.queensu.ca/gradmaps)). While supplies last, print versions of the grad maps are available at academic department offices, Career Services (third floor of Gordon Hall), or Graduate Studies (fourth floor of Gordon Hall). Contact [mycareer@queensu.ca](mailto:mycareer@queensu.ca) to request the maps in alternative formats for accessibility.

## gradstudies

### SGS Events

**Indigenous Graduate and Professional Day - Nov. 11**  
Robert Sutherland Hall Room 202

Are you an Aboriginal learner interested in pursuing a professional or graduate degree at Queen's University? Come meet current students, tour the campus, and speak with representatives from Queen's departments and programs. More information: [queensu.ca/fdasc/prospective-students/indigenous-graduate-and-professional-days](http://queensu.ca/fdasc/prospective-students/indigenous-graduate-and-professional-days).

### SGS Notes

**Mitacs Globalink Research Award for Graduate Students**

The Mitacs Globalink Research Award supports research collaborations between Canada and select partner countries. The award is open to graduate students in all disciplines. Select destinations are also open to senior undergraduates in all disciplines. A call for

proposals occurs twice a year, typically in January and September. Applications are awarded competitively and subject to available funding. The next deadline for applications is Nov. 9, at 5 pm PST. More information: [mitacs.ca/en/programs/globalink/globalink-research-award](http://mitacs.ca/en/programs/globalink/globalink-research-award)

### Open Thesis Defenses

**Friday, Nov. 4**  
Jason Bruce James Bourget, English Language and Literature, 'Making the Men of Tomorrow: American Science Fiction and the Politics of Masculinity, 1965-1974'. Supervisor: M. Wallace, 517 Watson Hall, 11 am.

**Friday, Nov. 4**  
Jennifer Jane Day, Geological Sciences & Geological Engineering, 'The Influence of Healed Intra-block Rockmass Structure on the Behaviour of Deep Excavations in Complex Rockmasses'.

Supervisors: D.J. Hutchinson, M.S. Diederichs, 527 Bruce Wing, 1:30 pm.

### Monday, Nov. 7

Anne-Claire Larochette, Psychology, 'Character in Context: Informing Character Education Programming'. Supervisor: W.M. Craig, 228 Humphrey Hall, 10 am.

### Wednesday, Nov. 9

Rachel Wayne, Psychology, 'Cognitive and Visual Speech Contributions to Speech Perception in Challenging Listening Conditions'. Supervisors: I. Johnsrude, K.G. Munhall, 228 Humphrey Hall, 3 pm.

### Tuesday, Nov. 15

Gabriel Venne, Anatomy & Cell Biology, 'Evidence for Mechanical Strains Influence in Osteophyte Development'. Supervisors: S.C. Pang, R.E. Ellis, 137 Bracken Library, 9 am.



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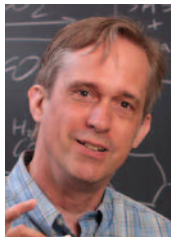


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## Bringing expertise to research panel

BY CHRIS ARMES,  
COMMUNICATIONS OFFICER

Queen's chemistry professor Philip Jessop has been named to an expert panel tasked with conducting an assessment of the current state of science and technology and industrial research and development in Canada. The panel was assembled by the Council of the Canadian Academies (CCA) at the request of Innovation, Science and Economic Development Canada (ISED).



Philip Jessop

"Scientific and technological research are crucial to Canada's economy, environment and social well-being," says Dr. Jessop. "The federal government wants and deserves to understand how the research effort is faring in Canada. I'm delighted and honoured to help."

The panel includes experts from different fields of academic research, research and development, innovation, and research administration – in order to ensure a well-rounded, authoritative and credible report is produced. The panel will examine the available evidence and deliver its final report by late 2017.

This is the fourth such expert panel report commissioned by the CCA – having previously pro-

duced reports on the state of science and technology in Canada in 2006 and 2010, as well as a report on the state of industrial research and development in Canada in 2013. These reports provide valuable data and analysis documenting Canada's competitive strengths and weaknesses. New data will help identify trends that have emerged in the Canadian science and technology and industrial research and development environments in the past five years.

"As one of Canada's leading research-intensive universities, we welcome this important review and congratulate Dr. Jessop and his distinguished co-panelists on their appointments," says Dr. Steven Liss, Queen's Vice-Principal (Research). "This review will provide valuable feedback from the post-secondary sector and beyond to ensure that Canada remains at the forefront of research and innovation. We're proud to support the CCA's review and offer Dr. Jessop's extensive expertise."

Dr. Jessop brings with him nearly 25 years of experience in the development of carbon dioxide fixation, green solvents, biomass fuel development and related green-energy research. He is currently a professor of inorganic chemistry at Queen's University, the director of the Jessop Group research lab, the technical director of GreenCentre Canada. He is a fellow of the Royal Society of Chemistry and a Tier I Canada Research Chair.

## Capturing the beauty within research

BY COMMUNICATIONS STAFF

After a fantastic first year, the Art of Research photo contest has returned.

Recently, the Office of the Vice-Principal (Research) (OVPR) launched the second Art of Research photo contest, calling on all faculty, staff and students to showcase their research, scholarly and artistic work.

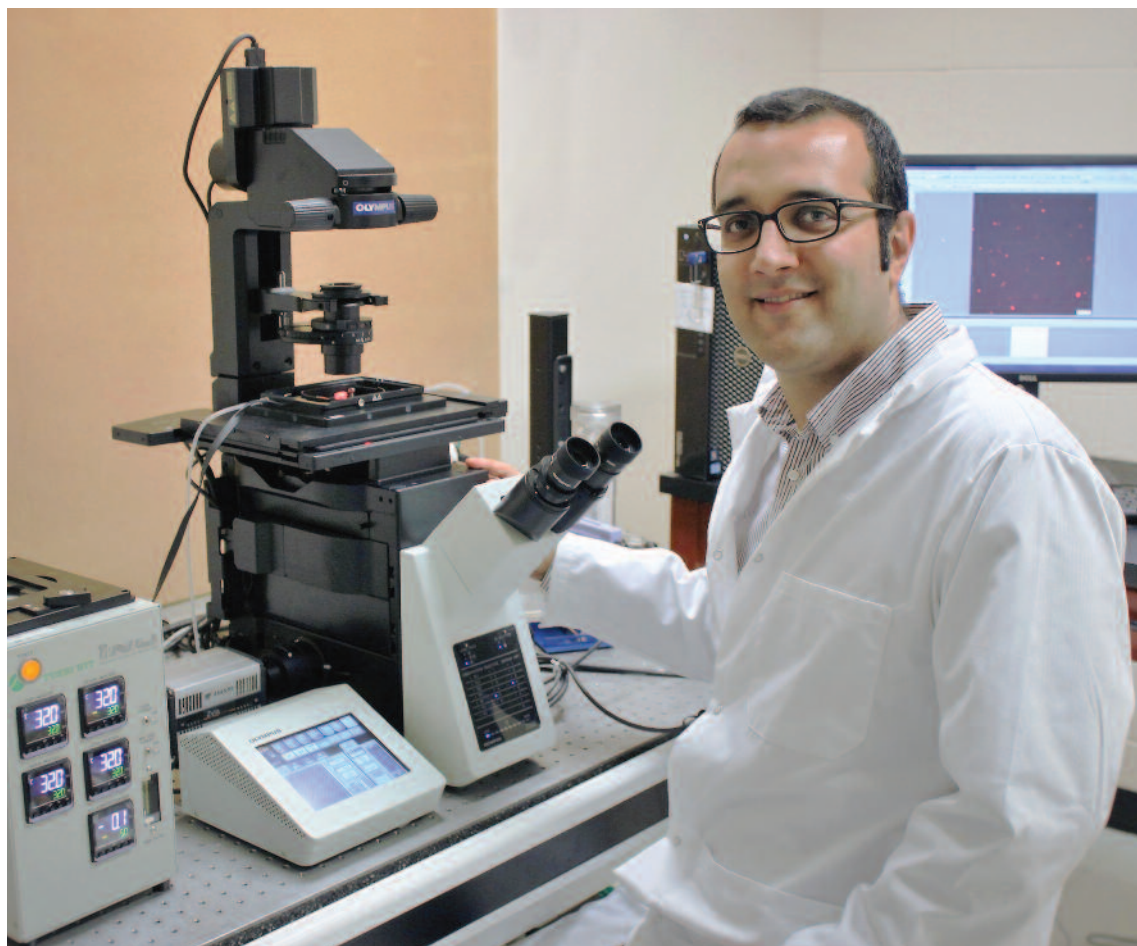
This year's contest offers cash prizes (First – \$500, Second – \$300, Third – \$200, Honourable Mention – \$100) and the chance to be featured in (e)AFFECT, the Queen's research magazine. Ten images, showcasing the breadth of research happening at Queen's, were selected in last year's contest.

"With the abundance of cre-

ative work and groundbreaking research happening at Queen's, we want to provide an alternative outlet to showcase these discoveries," says Melinda Knox, the co-managing editor of (e)AFFECT. "The photo subject matter is only limited by imagination – photos from last year ranged in subject from Cypriot cats to secluded monasteries to migrating cells. This contest provides a unique opportunity to be as creative as possible."

The contest is now open and all entries must be received by Nov. 18 at 4 p.m. Images must be accompanied by an entry form and can be submitted to [research@queensu.ca](mailto:research@queensu.ca).

Full details can be found on the OVPR website.



Reza Nosrati, Queen's Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellow, recently won the Douglas R. Colton Medal for Research Excellence for his research into infertility issues.

## Research in motion

BY ANNE CRAIG,  
COMMUNICATIONS OFFICER

Groundbreaking research into infertility issues has earned Queen's Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellow Reza Nosrati the 2016 Douglas R. Colton Medal for Research Excellence from CMC Microsystems. Dr. Nosrati is the first Queen's researcher to receive the award since it was founded in 1994.

Dr. Nosrati's research examines the fluid mechanics of male infertility treatment. His work which has been praised for its simplicity, functionality, and for its commercial potential, holds promise for applications in assisted reproduction, cell biology and sensing, and early stage cancer detection. Patent applications have been filed for at least three of his inventions.

"I am truly honored to receive 2016 Colton Medal, particularly given the previous distinguished recipients, including my PhD supervisor, David Sinton," says Dr. Nosrati. "This prestigious recognition brings me tremendous encouragement to keep improving these microtechnologies towards commercial products, which I believe will have a sure impact on

assisted reproduction in Canada and worldwide by alleviating major emotional and financial burdens for infertile families."

Dr. Nosrati was recruited to Queen's as a result of the inaugural Queen's Research Opportunities Funds competition, after completing his doctorate at the University of Toronto. He completed a masters degree at the University of Tehran, and a bachelor's degree at the Amirkabir University of Technology, in Tehran, Iran.

In 2015 Dr. Nosrati attracted global attention for his discovery that sperm have a distinct "slither" swimming mode that can be critical for reproductive success – in the process, answering a key question about the natural process of fertilization.

His current investigations include developing clinical technologies for selecting sperm with high DNA integrity, developing microfluidic technologies to detect ovarian cancer biomarkers in blood, and to study the process of fertilization. Other research includes studying the biology, physics and biomechanical behaviour of bacteria.

His research collaborators include researchers from the University of Toronto, McGill University, and Mount Sinai Hospital.

"Dr. Nosrati's receipt of the Colton Medal at this early stage in his career is evidence of true research excellence," says Dr. Steven Liss, Vice-Principal (Research). "If Dr. Nosrati's research and output speaks to the emerging generation of Canada's intellectual leadership and innovation leaders, I am very excited to see what the future holds."

Dr. Nosrati has published more than 40 papers – 14 of which have been published in high-profile scientific journals such as Nature Communications, The Journal of the American Chemical Society, and Clinical Chemistry.

"Dr. Nosrati is an example for all of us in his ability to combine scientific curiosity, multidisciplinary collaboration and technological innovation to answer difficult questions, while producing elegant, deceptively simple and commercially promising solutions," says Ian McWalter, President and CEO of CMC Microsystems. "He also has the distinction of following in the footsteps of his University of Toronto supervisor, Professor David Sinton, who won the Colton Medal in 2006."

For more information visit the CMC Microsystems website ([cmc.ca/NewsAndEvents/Awards/Colton.aspx](http://cmc.ca/NewsAndEvents/Awards/Colton.aspx)).



SUPPLIED PHOTO

Queen's conducted a waste audit involving 32 buildings on campus Oct. 4-7 with the participation of 44 students from the ENSC290 and COMM408 courses.

## Students find waste audit an eye-opening experience

BY ANDREW CARROLL,  
GAZETTE EDITOR

Queen's University is required each year to conduct a waste audit and thanks to a new partnership, the task this year has been turned into an experiential learning opportunity for students.

Through the audit, a legislated operational activity required by the Ministry of the Environment, the university is able to calculate the annual waste diversion rate. A total of 44 students from ENSC290 and COMM408 courses volunteered to sort waste and write an essay on their experience in exchange for extra credit.

The audit was conducted from Oct. 4-7 and involved 32 buildings on campus. This year the Sustainability Office and Physical Plant Services partnered with Steven Moore, a Continuing Adjunct with the Smith School of Business who has developed and teaches two sustainability courses, to offer students an experiential learning opportunity by taking part in the waste audit.

As Moore explains, this was hands-on work as the students were required to sort the waste into different streams, weigh the material type and record the data.

While the program offered an

**"This activity allows us to determine the composition of the waste stream, identify contamination issues and understand the level of participation in the recycling program on campus by user groups."**

— Llynwen Osborne

experiential learning opportunity, it also opened a lot of eyes among the students.

"The word 'shocked' appears a number of times in their comments," Moore says, pointing to the essays submitted by the participants following the audit. "They only took one day's waste from each building and I think they were really surprised at how much waste there was and how much was not really waste, including gym shoes, pyjama bottoms, tights and phone cords. I think they were also surprised by how much (of the waste) was perfectly good food in unopened packages – and how much of the waste should have been recycled but wasn't."

The final report from the waste audit will be released by the end of the year.

While the program provided a

new experience for the students it also will help the university track the effectiveness of its waste diversion programs. Last year the campus achieved a waste diversion rate of 47 per cent.

"This activity allows us to determine the composition of the waste stream, identify contamination issues and understand the level of participation in the recycling program on campus by user groups. The students assisted with these activities under the direction of GFL Environmental and our office," says Llynwen Osborne, Recycling Coordinator for the Sustainability Office. "The Sustainability Office was really excited to have so many students participate in auditing the campus waste stream."

Moore says that the majority of the students took some time to get used to handling the materials, but all were very engaged in the activity and walked away with new insights into the amount of waste that is being tossed away.

"I think it will stick with them," he says. "I don't think any of them will forget it."

To learn more about the Sustainability Office and its initiatives and programs, visit the Queen's Sustainability website ([queensu.ca/sustainability/home](http://queensu.ca/sustainability/home)).

## throughthelens



UNIVERSITY COMMUNICATIONS

Queen's Schulich Leader Scholarship winners sat down with Principal Daniel Woolf for a personal talk on Friday, Oct. 7. From left: Sophia Miao; Sandra Smeltzer; Sandra Chan; and Henry Tung.



UNIVERSITY COMMUNICATIONS

Principal Daniel Woolf spoke about his role and the career path that brought him back to Queen's during his talk with Queen's Schulich Leader Scholarship winners and the Office of Advancement's Allison Slopock.

## Principal meets with Schulich leaders

BY COMMUNICATIONS STAFF

Queen's Schulich Leader Scholarship winners had the opportunity to meet with Principal Daniel Woolf on Friday, Oct. 7 to share their experiences as undergraduate students at Queen's and as recipients of the prestigious awards.

The Schulich Leader Scholarships – awarded by The Schulich Foundation, launched

by Canadian philanthropist Seymour Schulich – provide significant funding to undergraduates pursuing studies in science, technology, engineering, and mathematics. The awards provide financial support to winners over four years of study.

This year, four first-year Queen's students were selected for the award: Isabel Hazan, Jessie Payne, Jaedyn Smith, and Rebecca Balcom.

## eventscalendar

### Wednesday, Oct. 26–Thursday, Oct. 27 Secrets & Surveillance Rare Book Display, W.D. Jordan Special Collections, Douglas Library

PhD student Katie Hunt and Dr. Leslie Ritchie (English) have co-curated a rare book display for the upcoming annual conference of the Canadian Society for 18th-Century Studies. The book display, centred on the conference theme of "Secrets & Surveillance," draws from several collections at Queen's W.D. Jordan Special Collections, including the theatre-rich holdings of Robertson Davies' personal library; the Edith and Lorne Pierce collection of significant early Canadiana; and the Schulich-Woolf collection of early modern texts.

### Wednesday, Oct. 26, Noon–1 pm Creative Expressions Guided Walking Tour

Take a guided tour of the Creative Expressions of Teaching and Learning Exhibits! Tours will start at noon in Mackintosh-Corry Hall, Room F200. Please arrive 5 minutes early to ensure the tour can leave on time. We will try to customize the tour experience to the tour group.

### Wednesday, Oct. 26, 1–4 pm New Staff Orientation

The Human Resources Department invites all newly hired employees (General staff, CUPE Local 229, CUPE Local 254, CUPE Local 1302, ONA, OPSEU, Research Grants and Contract and Post-Doctoral Fellows) to an orientation session. Please join us for an informative discussion that includes presentations from various University departments and services as well as essential human resources information. Mackintosh-Corry Hall, B176 Seminar Room

### Wednesday, Oct. 26, 7–9 pm The Koerner Lecture

Nadia Myre, the 2016-17 Koerner Artist in Residence in the Queen's Fine Art Program, will talk on her work at the Agnes Etherington Art Centre. Winner of the prestigious Sobey Art Award in 2014, Myre is a Montreal-based artist of Algonquin heritage. A reception follows.

### Thursday, Oct. 27, 11:30 am–1 pm Department of History Seminar Series

Nicholas Cronk, director of the Voltaire Foundation at Oxford University presents "Voltaire and the Radical Enlightenment." Watson Hall Room: 517

### Thursday, October 27, 2:30–4 pm Centre of International Defence Policy Speaker Series

Parliament and the War Prerogative in the UK and Canada: Explaining variation in institutional change and legislative control, a lecture presented by Philippe Lagassé, associate professor and the Barton Chair at the Norman Paterson School of International Affairs. His research focuses on defence policy and military procurement, as well as civil-military relations and the role of institutions in international policymaking in the Westminster tradition. Mackintosh-Corry Hall Room: B201

### Thursday, Oct. 27, 7–9 pm Building Solidarity: Combating Islamophobia

As part of Islamic History Month, the Muslim Societies-Global Perspectives Initiative presents a discussion forum featuring Adnan Husain (History), Ariel Salzmann (History) and Imam Yasin Dwyer of the Queen's Chaplaincy. The event builds on a new

course that Drs. Salzmann and Husain are teaching entitled Islamophobia: from Crusaders to Donald Trump - the first of its kind in Canada. Stirling Hall - Lecture Theatre A

### Thursday, Oct. 27, 7:30–9 pm From Small Data to Big Data: Looking Forward to Look Back

This roundtable discussion organized and led by David Lyon, Director of Queen's University's Surveillance Studies Centre, aims to examine both the future of surveillance culture and its roots in the 18th century. Watson Hall 517

### Saturday, Oct. 29, 10 am–2 pm Relations between Nations: 18th Century Indigenous Diplomacy in the Kingston Area

This roundtable considers the complexities of inter-tribal diplomacy in the shadow of settler colonial surveillance, focusing primarily on rela-

tions between Indigenous nations rather than on Indigenous resistance to colonial power. Panelists will draw on Anishinaabe and Haudenosaunee histories from the 17th, 18th, and 19th centuries in the territory surrounding what is now commonly referred to as Kingston to reflect upon the significance of nation-to-nation Indigenous relations moving forward. Four Points Sheraton, Ballroom B

### Saturday, Nov. 5, 10 am–2 pm Fine Art (Visual Art) Open House

Visit Ontario Hall to see what students in the Fine Art (Visual Art) Program are working on! From traditional to cutting-edge techniques, from sculpture to printmaking, from oil paintings to multimedia and beyond, you'll see a wide variety of incredible artwork by Fine Art (Visual Art) Program students on display. You can also go to the 3rd floor "O-

Zone" lounge and take a student-led tour of Ontario Hall and see some of the students' works-in-progress.

### Saturday, Nov. 5, Noon–12:30 pm Queen's Morris plaque unveiling

Queen's unveils its plaque honouring Queen's and Perth, ON co-founder William Morris, part of a joint Queen's-Perth plaque project. Morris Hall, corner of Lower Albert and King streets. Morris Hall

### Saturday, Nov. 5, 6–9 pm University Council Dinner honouring the Distinguished Service Award recipients

Chancellor Jim Leech invites you to join him for the University Council Dinner honouring this year's Distinguished Service Award recipients: Lynda Colgan; Ken Cuthbertson; Barb Palk; David Pattenden; Bob Pritchard; Innes van Nostrand. Business attire. Please RSVP by Oct. 27.

### ACROSS

- 1) Problems for directors
- 5) At a quick rate, poetically
- 10) Some precipitation
- 14) Eye layer
- 15) '70s White House name
- 16) Shoppers' bag
- 17) Easily achieved goals
- 20) Dark
- 21) Aspen features
- 22) Whacks
- 25) Insult but good
- 26) After-hours school gp.
- 29) Common welcomers
- 31) Last name for an unbalanced egghead?
- 35) \_\_\_ Gabriel
- 36) Very angry
- 38) Buffalo's canal
- 39) It may be needed to be an NFL player
- 43) Cause of some shivers
- 44) Begin an Internet session
- 45) 3-D hospital procedure
- 46) Pungent condiment
- 49) Duck's domain
- 50) Stereotypically stubborn animal
- 51) Minnow variety
- 53) Bygone despot
- 55) Some kind of nut
- 58) Pigeon's perch
- 62) Weaponry that's neither large nor small
- 65) Black cat, to some
- 66) Chose not to dine out
- 67) \_\_\_ vera
- 68) British title
- 69) Year-end tunes
- 70) Some evergreens

### DOWN

- 1) Streaming service
- 2) Shakespeare's river
- 3) Cry like a baby
- 4) Colonial title in India
- 5) \_\_\_ Arbor
- 6) "Animal Farm" critter
- 7) Line on a graph
- 8) Hits on the head
- 9) Decorate with gold leaf
- 10) Played a banjo, in a way
- 11) It may be proper in a sentence
- 12) Mayberry's self-jailer
- 13) Moist
- 18) Type of energy
- 19) German wife
- 23) "Legal" prefix
- 24) Drag one's feet
- 26) "Don't give me that!" old-style
- 27) Evergreen-forested landscape
- 28) Black \_\_\_ (cattle breed)
- 30) Posture problem
- 32) Donna's intro?
- 33) Stadium features
- 34) Abominable creatures
- 37) Cereal grain killer
- 40) It's designed to get your attention
- 41) Charged particles
- 42) Ultimate object
- 47) Hindu Mr.
- 48) "The \_\_\_ Cometh"
- 52) A Muse
- 54) Pass on in a race, as a baton
- 55) Disaster relief grp.
- 56) Footnote word
- 57) Leaves home?
- 59) Take-out order?
- 60) Shoot up
- 61) Storm centers
- 62) Like hip Brits in the '60s
- 63) "Shop \_\_\_ you drop"
- 64) \_\_\_ and outs

### FAN SETTINGS

By Timothy E. Parker

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A number may not appear twice in the same row or in the same column or in any of the nine 3x3 subregions.

## An ultimate sweep at nationals

BY COMMUNICATIONS STAFF

The Queen's women's and men's ultimate teams each won the national championship on Sunday, Oct. 16, the men successfully defending their title from 2015.

The women started out the Canadian University Ultimate Championship (CUUC) weekend on Saturday with a 13-7 win over Laval and followed up with a 15-8 win over McMaster before dropping a close 11-10 match to Ottawa.

In the quarterfinal on Sunday the Gaels topped Carleton 15-2 and then edged Western 9-7 in the semifinal. In the final against Toronto Queen's pulled ahead early and didn't look back taking a 12-7 victory to win the national championship.

The men's team started out with a perfect 3-0 record with wins over McGill, Carleton, and Toronto. After beating Western in the quarterfinal and a tough-fought battle with Laval in the



The Queen's Gaels women's and men's ultimate teams celebrate their national titles on Sunday, Oct. 16 in Montreal. The title was the second in a row for the men's team.

semifinal, the team punched their ticket back to the national championship match where they faced

Toronto.

The final marked the fourth time Queen's and Toronto had met

this season, with Queen's completing the sweep for their second national title in a row.

### fittips

#### Make the choice

What if you could strengthen your lungs and heart, burn calories, and feel better all by making one simple choice every day... would you?

Taking the stairs is a simple and effective way to achieve all of the aforementioned benefits and it's free! Stairs are in every building on campus, all you have to do is choose to use them. Stair climbing for just 10 minutes a day throughout your workweek, will total 50 minutes of heart-strengthening exercise, putting you well on your way to becoming fit and achieving your weekly 150. Accelerate on the straight-aways and take two steps at a time every other flight for a real leg burn!

Next time you are standing in front of the elevator waiting for the door to open, remember; your health and wellness is a choice and the stairs are a simple one.

SUPPLIED PHOTO

Wisdom teeth extractions

Sedation dentistry

Invisalign®  invisalign®

General dentistry

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 Root Canal Therapy ~ Non-surgical Gum Therapy  
 Snoring & Sleep Apnea Treatment  
 Jaw Joint Treatment (TMJ) ~ Hygiene Services



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## for therecord

## FALL CONVOCATION

## Reserving regalia

Queen's faculty members have until Wednesday, Nov. 7 to reserve regalia to participate in the academic processions during this fall's convocation ceremonies.

"At its heart, Convocation is a celebration of the journey that began when these students first set foot on campus, before their first lecture. It recognizes the fullness of the academic journey," says Brent Cameron, Convocation and Communications Administrator, Office of the University Registrar. "Having those who guided and encouraged them along the way makes this a true commemoration of achievement."

Fall convocation includes six ceremonies held from Tuesday, Nov. 15 to Thursday, Nov. 17. Faculty members who are Queen's graduates can confirm their participation in one or more of the academic processions and reserve regalia by filling out an online form ([queensu.ca/registrar/convocation/faculty-info](http://queensu.ca/registrar/convocation/faculty-info)). Members of the academic procession who are not Queen's graduates must make their own arrangements for

hoods; however, they may reserve a black gown and confirm their participation online. ([queensu.ca/registrar/convocation/faculty-info](http://queensu.ca/registrar/convocation/faculty-info))

Faculty members can pick up their regalia 30 minutes prior to each ceremony in Room 209, Kingston Hall. Those not requiring regalia can still confirm their attendance in the period leading up to the ceremonies after the Nov. 7 deadline for booking regalia.

For more information about Convocation, including the department and faculty breakdown for the six ceremonies, visit the University Registrar website. ([queensu.ca/registrar/students/convocation-graduation/ceremonies/fall-2016-convocation](http://queensu.ca/registrar/students/convocation-graduation/ceremonies/fall-2016-convocation))

For more information, or if there is difficulty submitting the form, please contact Mr. Cameron at [brent.cameron@queensu.ca](mailto:brent.cameron@queensu.ca) or call ext. 74050.

## APPOINTMENTS

## Faculty of Health Sciences

*Daniel W. Howes – Head of the Department of Critical Care Medicine*  
Dean Richard Reznick is pleased to announce that Benoit-

Antoine Bacon, Provost and Vice-Principal (Academic) at Queen's University, has appointed Daniel W. Howes as head of the Department of Critical Care Medicine for a five-year period as of Sept. 1, 2016.

Dr. Howes completed his undergraduate studies in biology at the University of Guelph and his medical degree at Dalhousie University in 1994. He completed his residency in emergency medicine at Queen's in 1999, and received a Critical Care Fellowship at Queen's in 1998. Dr. Howes attended Harvard University's Macey Institute Program for Health Science Educators in 2006.

Dr. Howes joined Queen's as an assistant professor in 2001 and is currently a professor in the departments of Emergency Medicine

and Critical Care Medicine. He is the director of the Clinical Simulation Centre for the School of Medicine, as well as the lead for the Kingston General Hospital RACE team, and serves as the medical director for the Regional Trauma Program of Southeastern Ontario.

Dr. Howes has served in several key roles as part of Kingston and southeastern Ontario's trauma programs and trauma education programs. He has been the recipient of several teaching awards, including the 2016 H.F. Pross Award, the 2011 Excellence in Clinical Teaching Award, and was Critical Care Teacher of the Year in 2005-06 and 2010-11. He also received the Canadian Association of Medical Educators Certificate of Merit for Outstanding Contributions to Medical Educa-

tion in 2012.

Dr. Howes is an active researcher, with academic interests in resuscitation, medical education and medical simulation. As an active member of several research teams, Dr. Howes has been involved in multiple funded research initiatives and scholarly publications, and has presented widely at national and international conferences.

Dr. Reznick extends his thanks to John Drover for his leadership and service to the Department of Critical Care Medicine. Dr. Drover has been the leader of Queen's Critical Care Medicine Program for 14 years, and it was through Dr. Drover's vision and his efforts that Critical Care Medicine was established as a department of Queen's University in September 2015.

## humanresources

## Job postings

Details regarding job postings – internal and external – can be found at [queensu.ca/humanresources/jobs](http://queensu.ca/humanresources/jobs). Applications for posted positions are accepted by email only to [working@queensu.ca](mailto:working@queensu.ca) before midnight on the closing date of the competition.

■ **Competition:** 2016-365  
**Job Title:** ECEi Experience Coordinator (USW Local 2010)  
**Department:** Electrical and Computing Engineering  
**Hiring Salary:** \$44,897 (Salary Grade 6)  
**Hours per Week:** 35  
**Appointment Terms:** Term Appointment (1 year)  
**Closing Date:** 06-Nov-2016

■ **Competition:** 2016-360  
**Job Title:** Research Technician  
**Department:** Pathology & Molecular Medicine  
**Hiring Salary:** \$39,591 (Salary Grade 5)  
**Hours per Week:** 35  
**Appointment Terms:** Continuing Appointment  
**Closing Date:** 28-Oct-2016

■ **Competition:** 2016-366  
**Job Title:** Annual Giving Projects Assistant (USW Local 2010)  
**Department:** Alumni Relations & Annual Giving, Office of Advancement  
**Hiring Salary:** \$39,591 (Salary Grade 5)  
**Hours per Week:** 35  
**Appointment Terms:** Term Appointment until Dec. 31, 2017  
**Closing Date:** 26-Oct-2016

■ **Competition:** 2016-150

■ **Job Title:** Research Assistant  
**Department:** Medicine - Nephrology  
**Hiring Salary:** \$44,452 (Salary Grade 6)  
**Hours per Week:** 35  
**Appointment Terms:** Continuing Appointment  
**Closing Date:** 02-Nov-2016  
**Apply To:** [working@queensu.ca](mailto:working@queensu.ca)

## Successful Candidates

■ **Job Title:** Administrative Assistant (USW Local 2010)  
**Department:** Mechanical and Materials Engineering  
**Competition:** 2016-083  
**Successful Candidate:** Karen Richardson

■ **Job Title:** Professional Development Officer - Master Public Health Program (USW Local 2010)  
**Department:** Public Health Sciences  
**Competition:** 2016-138  
**Successful Candidate:** Paula Muis

■ **Job Title:** Instructional Coordinator of Online Graduate Programs (USW Local 2010)  
**Department:** Faculty of Education  
**Competition:** 2016-148

■ **Successful Candidate:** Matthew Robinson

■ **Job Title:** Payroll Administrator  
**Department:** Financial Services  
**Competition:** 2016-143  
**Successful Candidate:** Lorie Reed

■ **Job Title:** Relationship Manager (USW Local 2010)

**Department:** Smith School of Business

**Competition:** 2016-158  
**Successful Candidate:** Geoff Hendry

■ **Job Title:** Career Coach (Toronto Office)

**Department:** Smith School of Business

**Competition:** 2015-295  
**Successful Candidate:** Paulina Nozka

■ **Job Title:** Administrative Assistant to the Dean

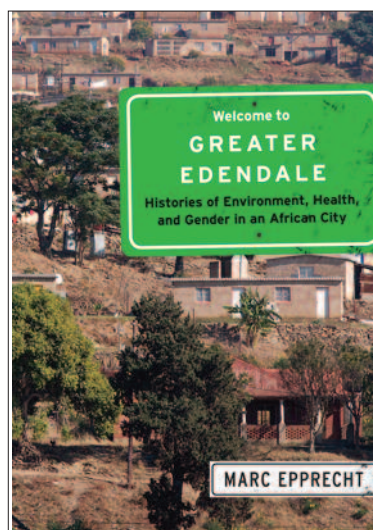
**Department:** Office of the Vice-Provost and Dean of Student Affairs  
**Competition:** 2015-139  
**Successful Candidate:** Jessica Whiting

## books

*Welcome to Greater Edendale: Histories of Environment, Health, and Gender in an African City* by Marc Epprecht (Global Development Studies)

In the coming decades, the bulk of Africa's anticipated urban population growth will take place in smaller cities. Failure to manage environmental and public health problems in one such aspiring city, Edendale, has fostered severe pollution, seemingly intractable poverty, and gender inequalities that directly fuel one of the worst HIV/AIDS pandemics in the world.

A nuanced and timely presentation of South African responses to changing times, conditions, opportunities, and state interventions, *Welcome to Greater Edendale* reconstructs nearly two centuries of contestation over land, governance, human rights, identity, housing, sanitation, public health, and the meaning of development. Bringing gender and health issues to the foreground, Marc Epprecht reveals many unexpected or forgotten triumphs against environmental injustice, but also unsettling continuities between colonial, apartheid, and post-apartheid policies to spur economic growth. Sheltered from the glare of national media and often overlooked by scholars, smaller



cities like Edendale attract political patronage, corruption, and violent protests, while rapid climate change promises to further strain their infrastructure, social services, and public health.

A challenging, innovative, and thoughtful examination of the history and politics of South Africa, *Welcome to Greater Edendale* questions the common assumptions embedded in environmental policy, gender relations, democracy, and the neoliberal model of development in which so many African cities are ensnared.

## PUZZLE SOLUTIONS

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FAN SETTINGS By Timothy F. Parker

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