

the gazette

Queen's University's newspaper of record since 1969 ■ queensu.ca/gazette ■ September 12, 2017



PHOTO BY GARRETT ELLIOTT

Campus was abuzz as the Class of 2021 was welcomed to the Queen's community with special events throughout Orientation Week. The annual event is held for incoming undergraduate, graduate, and international students as they begin the next step in their academic journey. Stories and photos on pages 8 and 9.

Royal Treatment

Three Queen's faculty members have been elected as fellows to the Royal Society of Canada, one of the highest honours for Canadian academics in the arts, humanities, social sciences and natural sciences. Story on Page 4



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QUEEN'S UNIVERSITY VICE-PRINCIPAL (UNIVERSITY RELATIONS)

Michael Fraser

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Barbara Crow became the Dean of the Faculty of Arts and Science on July 1. Dr. Crow joins Queen's from York University where she was most recently the Dean, Graduate Studies. The Gazette caught up with Dean Crow to find out how the first few months have been, and learn more about this new member of the Queen's community.

How has the transition been for you?

"One of the wonderful things about starting at this time of year is that it is a bit quieter. So, while faculty are doing their research and the students are working, I have been able to meet the senior leaders and the department heads. Everybody has been very welcoming and has come to the table with their ideas and concerns about how to strengthen and reinforce the values of the Faculty of Arts and Science. It has been great to get access to their perspective. I value working with people who tell me what they think.

"I also met with the Arts and Science Undergraduate Society (ASUS) and the Society of Graduate and Professional Students (SGPS) and have been incredibly impressed with their commitment to the student experience. I look forward to continuing a positive working relationship with ASUS and SGPS.

"The campus is beautiful, and I have been trying every day to walk through a new building. I have a sense of the different kind of community here, one I am looking forward to working with.

"I am also really enjoying the change to my quality of life here. I am walking to work and I have, literally, twice skipped home because I am so thrilled to be there in 10 minutes."

What attracted you to Queen's University?

"It has such a fantastic student reputation – bar none. Our undergraduates benefit from excellent undergraduate teaching and we have many services. I said during my hiring I am not going to be able to help you with retention – you have got that all figured out –



Barbara Crow, Dean of the Faculty of Arts and Science, arrives at Queen's from York University where she most recently held the position of Dean, Graduate Studies.

but I can make contributions to help strengthen research and graduate education.

"I am also really excited that Queen's is taking a leadership role in wellness through the creation of the new Innovation and Wellness Centre – this is an important initiative for students, for staff, and for faculty."

What do you uniquely bring to the role of Dean of Arts and Science?

"I love my work. I love universities. I believe publicly-funded postsecondary institutions can be fundamental part of strong communities, vibrant cultures, through the important analytic and critical thinking skills we teach. When you look at the data around people who have been to university, you see that on average, they have higher incomes, they are healthier, they are happier, and they contribute more to citizenship issues. We need to remind ourselves of this – we have to remember many of the other elements we get from a university education."

For those who haven't met you yet, what should they know about you?

"I am a really firm believer in professional development and giving colleagues – students, staff, and faculty – tools to make informed decisions about what we want to achieve in the coming years. I am compelled by evidence supported with data. I try to make decisions based on what the research tells us and I think that is important for us as a university.

"On a more personal note, I have a son attending Concordia University. My partner and I met on Canada World Youth and is a faculty member in the School of the Arts, Media, Performance & Design at York University. I have been a vegetarian for over 30 years.

"I also began taking piano lessons as an adult, and I do this to remind myself of what it is like to be a student. It is a humbling experience to remember what it's like not to understand things and to be reminded how much work it takes to do something well."

What are your priorities for the year ahead?

"I would like the graduate student experience to have the same reputation as the undergraduate student experience. We have a fantastic Dean of Graduate Studies here who has been a leader in Canada and I look forward to working with her supporting the graduate student experience.

"In light of the exciting Nobel news in physics, I am really keen to support our research strengths and to provide infrastructure for all of our colleagues to do well in research across the Arts and Science.

"I have come from one of the most diverse universities in Canada, and I think it will be important to take up issues in equity and diversity. I also think the Truth and Reconciliation Task Force report has called for some important changes to the way we do things that will enhance indigeneity at Queen's."

"Those are all really important to me and will drive many of the decisions we will make."

Input sought on future of School of Graduate Studies, search for next dean

BY COMMUNICATIONS STAFF

Queen's Provost and Vice-Principal (Academic) Benoit-Antoine Bacon has announced that Brenda Brouwer's term as vice-provost and dean of the School of Graduate Studies ends on June 30, 2018,

and that she does not wish to be considered for another term.

Provost Bacon will chair a committee to advise Principal Daniel Woolf on the present state and future prospects of the School of Graduate Studies, and on the selection of the next vice-provost

and dean.

"I encourage all members of the Queen's community to provide input regarding the School of Graduate Studies, and to suggest individuals to serve on the advisory committee," Provost Bacon says.

The provost's office invites letters and commentary via email to provost@queensu.ca, by Sept. 15. Respondents are asked to indicate whether they wish to have their letters shown, in confidence, to the members of the advisory committee.

Helping prevent sexual violence

Sexual Violence Bystander Intervention facilitators are trained to teach their peers about how to intervene safely.

BY COMMUNICATIONS STAFF

A dedicated group of students has begun teaching hundreds of their peers about what they can do to recognize and help prevent sexual violence.

This year's team of Sexual Violence Bystander Intervention facilitators includes undergraduate, graduate and professional students from across faculties and schools, with diverse perspectives and experiences. The team recently spent a weekend receiving their own skill development training.

"The training weekend was really important because coming together as a team is crucial in the work that we do," said Lea Keren (Comm'18), Sexual Violence and Bystander Awareness Student Coordinator. "The content can be difficult at times, so having your co-facilitators' support makes this work that much more rewarding."

The facilitators lead students in discussions about how to navigate difficult conversations, how to recognize situations where they can safely intervene, and how to respond to disclosures of sexual violence. The training was updated over the summer to address the intersection of sexual violence with discrimination and harassment, as well as the intersection of sexual violence with multiple identities.



This year's team of Sexual Violence Bystander Intervention facilitators recently spent a weekend receiving skill development training. The team includes, front row: Nadia Mahdi (Artsci'19); Charlotte Johnston (Ed'18); Cam Yung (Artsci'18), Ramna Safeer (Artsci'18), Mackenzie Crawford (MPA'18). Back row: Landon Wilcock (Artsci'18); Cisca Rolleston Fuentes (Artsci'18); Ally Bilenkey (Artsci'20); Frannie Sobcov (Artsci'19); Lea Keren (Comm'18); Dave Walker (Artsci'18); Adam Grotsky (Law'19). Not Pictured: Nicholas Agius (Artsci'19).

"There is a disproportion of acts of sexual violence and assault perpetrated against Indigenous, LGBTQ+, racialized individuals,

persons with disabilities," says Rector Cam Yung, who is starting his second year as a bystander intervention facilitator. "The ses-

sions are evolving to recognize this fact, and help support and uplift all marginalized students within our community."

"The training weekend was really important because coming together as a team is crucial in the work that we do. The content can be difficult at times, so having your co-facilitators' support makes this work that much more rewarding."

– Lea Keren (Comm'18),
Sexual Violence and Bystander
Awareness Student Coordinator

There are already 22 sessions scheduled for the coming days and weeks. Students receiving the training include residence dons, orientation week leaders, all AMS service staff, the Varsity Leadership Council, Peer Support Centre volunteers, and Engineering Society executives. The sessions are available to any club or group by request.

Ms. Keren will also be facilitating numerous activities throughout the school year, such as Sexual Violence Awareness Week, in partnership with the Social Issues Commission, Nov. 20-24.

Over the past year alone, more than 2,500 students have participated in the bystander intervention sessions. To book a session and for more information, visit: <http://queensu.ca/studentaffairs/student-safety/personal-safety/sexual-violence-assault-abuse-and-harassment/sexual-violence>

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Kingston Mayor Bryan Paterson and Principal Daniel Woolf talk with Richard Oleschuk (Chemistry) about the work being done at NanoFabrication Kingston during a tour of Innovation Park on Thursday, Aug. 31. During the tour, the mayor met with companies and teams at the forefront of Kingston's innovation ecosystem, including Canarmony, Limestone Analytics, and Okwaho Equal Source. This was the second Queen's stop on the Mayor's Innovation Tour.

UNIVERSITY COMMUNICATIONS

Society welcomes three new fellows

Queen's University researchers earn a place in the Royal Society of Canada.

BY COMMUNICATIONS STAFF

Three Queen's University professors have been granted the honour of being elected to the Royal Society of Canada (RSC), one of the highest honours for Canadian academics in the arts, humanities, social sciences, and natural sciences.

The three fellows, Richard Bathurst, Anne Croy and Robert Morrison, have a wide range of research interests including civil engineering, reproductive sciences and literature, which demonstrative of the range of research expertise and excellence found across campus.

"The three newly elected fellows have made important contributions to their respective fields and represent a diverse mix of areas of study," says Daniel Woolf, Principal and Vice-Chancellor. "Having the RSC recognize these three scholars is an honour and I join the university community in congratulating them."

Richard Bathurst (Civil Engineering) – Professor Bathurst has made contributions to the advancement and understanding of modern civil engineering geosynthetic reinforced earth retaining structures and slopes. Cross-appointed to the Royal Military College of Canada, his work demonstrates a multi-disciplinary approach to the design, analysis



Queen's professors, from left, Richard Bathurst (Civil Engineering), Anne Croy (Biomedical and Molecular Sciences), and Robert Morrison (English), have been elected to the Royal Society of Canada as Fellows.

PHOTO BY BERNARD CLARK

and sustainability of these structures.

"We don't work for awards so this is a true honour," says Professor Bathurst. "It's really a recognition for a lifetime of work in my

field. I'm humbled."

Anne Croy (Biomedical and Molecular Sciences) – Dr. Croy is a world-leader in reproductive sciences and has made seminal con-

tributions with her descriptions of uterine Natural Killer (uNK) cells recruited to the uterus in early pregnancy. Most complications of human pregnancy are linked with incomplete remodeling of vessels

called spiral arteries – a process initiated by the uNK cell.

"Only the very best get recognized and I was truly shocked to be nominated," says Dr. Croy. "This type of award is the crown jewel for my career."

Robert Morrison (English) – Dr. Morrison is a leading scholar of British Romantic literature, and the world's foremost authority on the 19th-Century English essayist and opium addict Thomas De Quincey (1785-1859).

"I was really gobsmacked to win this award," says Dr. Morrison. "It's really a type of validation for my work. I've won awards for teaching in the past but this is for research. Being named a fellow gives me confidence to keep forging ahead."

The Royal Society of Canada is the senior and most prestigious academic society in Canada. Members represent a wide range of academic fields, including the arts, social and natural sciences and humanities. Candidates can be nominated by existing members, seconded by at least two others, or by one of the society's member institutions. Existing members of the society then vote to elect the next cohort of fellows. Election to the society is considered one of the highest honours in Canadian academia.

For more information visit the RSC's website (rsc-src.ca).

Investigating genes, proteins behind bleeding disorders

BY ANNE CRAIG,
COMMUNICATIONS OFFICER

Queen's University professor and one of the leading researchers in common inherited bleeding disorders David Lillicrap has received a \$3.55 million Canadian Institutes of Health Research (CIHR) Foundation Grant.

"This funding will be used to support our program of research focused on the molecular science of the two most common inherited bleeding disorders – hemophilia and von Willebrand disease," says Dr. Lillicrap (Pathology and Molecular Medicine). "These studies involve the application of a range of molecular approaches to understand the pathological basis, enhance the detection and improve the treatment of these conditions."

Dr. Lillicrap's research focuses on the genes and proteins that are deficient or defective in hemo-

philia and von Willebrand disease. Both conditions are lifelong bleeding disorders in which blood doesn't clot correctly. Until recently, the treatment of these disorders has involved frequent injections of the missing clotting factor protein, but work conducted by Dr. Lillicrap's group has shown that gene therapy is a feasible approach to deliver long-term benefits and a possible cure of the bleeding problem.

"Dr. Lillicrap's research has led to innovative strategies for the diagnosis and treatment of the world's most commonly-inherited bleeding diseases," says John Fisher, Interim Vice-Principal (Re-

search). "His novel findings, now being applied to clinical care worldwide, are improving the quality of life for patients with inherited bleeding disorders, and this significant investment from the CIHR will help to further this work."

Dr. Lillicrap says the funding is the most significant operating grant his laboratory has received and will allow him to establish and complete more long-range goals. It will also enhance his work with the Queen's Clinical and Molecular Hemostasis Research Group, run by Dr. Lillicrap and Paula James.

"Many of our studies involve interactions between our two laboratories and include the exchange of knowledge, reagents and valuable research resources," says Dr. Lillicrap. "We believe that our program is successful in part because we have complementary

areas of research interest – the Lillicrap group is focused more on basic/molecular aspects of these diseases and the James group more on clinical and population based research.

"Both groups share an overlapping interest in certain aspects of molecular and cellular pathology – one example being how blood

vessel lining cells (endothelial cells) function in these bleeding diseases."

He joins three other Queen's faculty members who currently hold Foundation Grants.

The grants are designed to contribute to a sustainable foundation of established health research leaders.



David Lillicrap

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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

A glimpse of unmatched beauty and grandeur

The following article is written by **David Hanes**, Professor, Astronomy Group, Department of Physics, Engineering Physics and Astronomy, on his experience viewing the total solar eclipse on Aug. 21.

No other natural phenomenon can match the beauty and grandeur of a total solar eclipse, the episode of unnatural nighttime that occurs when the moon, invisible in the daytime sky, edges its way across the full face of the sun until its light is briefly obscured – for a matter of a few minutes at most. It is a spectacle that every person should hope to experience at least once.

Solar eclipses are more frequent than one might think: the necessary alignments of the sun, moon and earth typically occur a couple of times a year. Unfortunately, however, the path of totality is very narrow, and the spectacle is restricted to those who live along the track swept out by the lunar shadow, or who decide to travel to the (often remote) location. On either side of the track, over a region thousands of kilometers in width, one can experience the spectacle of a partial eclipse, still impressive in its way: but to see the 'real thing' may require foresight and enterprise.

Perhaps surprisingly, in more than 40 years as a professional as-



David Hanes (Physics, Engineering Physics and Astronomy) travelled to Nashville, Tenn., where he took this photo of the total eclipse on Aug. 21. The bright star Regulus can be seen about two solar diameters to the left of the occulted solar disk, around which the extended corona, not generally visible, can be seen.

tronomer, I had never enjoyed this experience (although a closely-related 'annular' eclipse of the sun occurred in Kingston in May 1994). So it was that I set off on Aug. 18, with my wife Ros and youngest daughter Amy, on the 1,600 km drive to Nashville, Tenn., filled with great hopes for clear skies on the afternoon of Aug. 21.

We were not disappointed! That morning broke clear and hot,

and we made our way to Radnor Lake State Park in the southern part of the city – only to find the parking lots and access roads already overfilled. We were, however, warmly welcomed by a group of a dozen locals in the forecourt of a church opposite, and set up there a few hours in advance of totality. We quickly became persons of considerable interest, partly because of the astro-

nomical insights I could offer, but more particularly because of our Canadian origin and the fact that we had elected to make the long drive south! (No, we did not discuss Donald Trump's politics or our respective national health plans.)

Using our special safety spectacles, we could easily monitor the advancing partial phase of the eclipse, as the encroaching moon

took a dark and growing 'bite' out of the sun's face. Occasional fluffy cumulus clouds, some of them quite large, gave us a few moments of apprehension, but they parted obligingly for the full hour centered on the period of totality (a mere two minutes in duration), and we saw the event in skies that were wonderfully clear almost horizon to horizon.

And it was just as we had hoped – one of the most sublime experiences one could imagine. The actual onset of totality plunged us into an unusual darkness: like night, and yet not quite the same. During totality, we were of course able to remove our safety glasses, and saw that the background stars, and bright Venus, some distance west of the sun, had become plainly visible to the unaided eye. The relatively low-luminosity corona of the sun, ordinarily invisible, showed up clearly, its distinct halo forming the 'crown' of our parent star.

It was over all too soon, but our memories will last a lifetime. We have already begun planning for the near-ideal next opportunity: in early April 2024, less than seven years from now, another North American eclipse will occur – this time with a shadow path that traverses Kingston itself! This will be an event not to be missed.

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

A bright light to colleagues, students, and loved ones

Allison Sherman (1979-2017)

Irrepressible, irreverent, funny, kind, incredibly thoughtful, articulate, unassuming, hard-working and wise beyond her years, Allison Sherman (Art History) touched the lives of so many in a meaningful, memorable way.

On April 26, 2017 she passed away following a two-year battle with breast cancer. She was 37.

Allison was born and raised in Kingston and attended LaSalle Secondary School where her interest in art history was piqued by well-loved educator Berkley Brean. She earned both her bachelor's and master's degrees at Queen's and her PhD at St. Andrew's University in Scotland. She then returned to Queen's as a post-doctoral fellow.

Her interests, while centred on Renaissance Venice, were broad.



Allison Sherman in Venice.

Given her short career, she was a prolific scholar, publishing, in the five years following her dissertation, seven articles and book chapters, a co-edited book, and an article co-written with her doctoral supervisor Peter Humfrey. She was the recipient of grants from

the Social Sciences and Humanities Research Council of Canada, the Gladys Krieble Delmas Foundation and the Burlington Magazine Foundation.

Allison was an admired and gifted scholar and researcher, as well as an encouraging and inspiring mentor and dedicated, much-loved adjunct assistant professor within the Department of Art History. She was awarded the School of Graduate Studies Graduate Coordinator Award in 2015, a position she filled from 2013 to 2015, and the Society of Graduate and Professional Students Graduate Support Award 2013-2014.

Since 2011 Allison directed and co-instructed the Queen's Venice Summer School (VSS) with her colleague and dear friend, Krystina Stermole. After attending the VSS herself while an undergrad and subsequently becoming

fluent in Italian, Venice became Allison's lifelong passion and second home. Her positivity, intelligence, generosity and her joyful, contagious enthusiasm will be greatly missed by legions of students, colleagues and friends around the world. She was commonly described as a 'bright light' and indeed she was just that.

With an indefatigable, strong and hopeful spirit, Allison faced the challenging two years since her breast cancer diagnosis with enormous grace, dignity, courage, humour, and an unyielding determination to overcome what ultimately, cruelly, took her young and promising life. She proactively took on cancer the way she took on everything: earnestly, meticulously and with total commitment. To say she willingly and with a smile on her beautiful face did absolutely everything possible

to save her own life is to understate the case. A lesser person could not, would not, have been able to maintain the intense and restrictive regime she thoroughly researched and bravely undertook for many months in the fervent hope it would alter the outcome.

Allison was tremendously thankful for, overwhelmed and humbled by the generosity of those who contributed to Go Fund Me/You Caring (organized and overseen by Jill Weinreich) that made possible many helpful natural and integrative treatments here, as well as her immunotherapy treatments in Vienna. She was deeply touched by the incredible response to the April 29 fundraising dinner and silent auction held on her behalf.

This Lives Lived column was written with files from Allison's mother Joan Sherman.

Queen's in the news

Highlights of Queen's experts in the media from Aug. 23-Sept. 6

NEWSPAPERS

Robert Morrison (English Language and Literature) had his op-ed on the lyrics of *Ahead by a Century* by the Tragically Hip published by the *Ottawa Citizen* and *Vancouver Sun*. It was originally published in *The Conversation*.

Valerie Michaelson (Public Health Sciences) commented in a number of news outlets including the *Toronto Star* on a new social media project.



Richard Chaykowski (Law, Industrial Relations) collaborated on a *Globe and Mail* opinion piece about the future of labour relations in Canada.

Geoffrey Smith (History, School of Kinesiology and Health Studies) had his op-ed, saying we're embarking on a rough road, and no one knows where it will end, published in the *Toronto Star*.

Robert Watts (Smith School of Business, School of Policy Studies) says reconciliation comes through looking at each other in a way to see each other's humanity, in *The Catholic Register*.

Robert Wolfe (Smith School of Business, School of Policy Studies) says Chapter 19 shouldn't be the number one deal-breaker for Canada in the *National Post*. Dr. Wolfe also had his op-ed on a Canadian offering trade advice to "Brexit Britain" published in the *Financial Times*.



education and decision-making at the end of life is a major source of dissatisfaction with end of life care.

Neil Bearse (Smith School of Business) told CBC Online that both Google and Walmart haven't been key players in voice-activated shopping, which is why they are teaming up now to fight Amazon before it's too late.

Gail Henderson (Law) says she's surprised that the Office of the Superintendent of Financial Institutions is reviewing Canadian banks and their sales practices, in *The Lawyer's Daily*.



Gianluigi Bisleri (Medicine, Surgery) and **Benedict Glover** (Medicine) research into a new cardiac procedure was reported on by *Research2Reality*.

TELEVISION

Gianluigi Bisleri (Medicine) and

Benedict Glover (Medicine) commented on CKWS Television on a new cardiac procedure.

Tandy Thomas (School of Business) was interviewed by BNN on the pumpkin spice trend.



John S. Andrew (School of Environmental Studies, Smith School of Business) discussed the cooling housing market in the Greater Toronto Area and Ontario with CTV National Network News.

Christian Leuprecht (Political Studies) discusses President Donald Trump's choice to increase troop numbers in Afghanistan with CTV National Network News.

RADIO

Lee Airton (Education) appeared on CBC Radio talking about gender neutral passports.

Lynda Colgan (Education) spoke

to 580 CFRA News Talk Radio about mathematics instruction for young children in grade school.

Jill Scott (Vice-Provost (Teaching and Learning)) spoke to CBC Radio regarding cool and unique programs at Queen's.

Craig Walker (Dan School of Drama and Music) explored the benefits of reading plays rather than watching them, on CBC Radio's *Ontario Morning*.



MAGAZINES

Lisa Kerr (Law) commented in *Canadian Lawyer* on an upcoming Supreme Court of Canada appeal.

Rebecca Luce-Kapler (Dean, Faculty of Education) says in *Professionally Speaking* that it is very important to support the learning of Indigenous languages in those communities.

Making the most of a moment

BY ANDREW CARROLL,
GAZETTE EDITOR

For Alicia Smith photography has always been a hobby, albeit one she takes very seriously.

She has learned over the years that sometimes photography, as with many things in life, is all about timing. Take for example the day when she was headed home after completing her shift at the Mac-Corry cafeteria. It was one of those beautiful fall evenings and she was able capture a stunning photo of Goodes Hall surrounded by purple skies.

"I had just finished work and was walking to my car and I happened to look over – there was the building all lit up," she says. "It was just beautiful."

After many compliments and some encouragement she featured the photo in an exhibition hosted by the Kingston Photography Club. But, despite her efforts, she was unable to find a home for the photo.

However, timing, and a bit of initiative, would once again come into play.

Back at the cafeteria Ms. Smith spotted Principal Daniel Woolf.

Not one to be shy, she approached him and asked if he would like a photo. He took a look and was impressed.

A bit of work later and the framed photo now has a home of its own in the Goodes Café.

And that has made all the difference for Ms. Smith, a 36-year employee with Hospitality Services.

"I'm happy that the photo has a home," she says. "It will be here long after I'm gone and that's what I wanted. I just wanted a place for it where it would be appreciated and be seen."



Alicia Smith holds up the photo of Goodes Hall that she took last year. A new home for the photo has been found in Goodes Hall.

UNIVERSITY COMMUNICATIONS



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A closer look at the Class of 2021

BY COMMUNICATIONS STAFF

They're coming from every Canadian province and territory, and from dozens of countries around the world. They are accomplished, with an incoming undergraduate average of 89.1 per cent. And soon they will be settling in for a brand new academic year at Queen's.

The university received more than 37,000 applications for 4,517 spaces in the 2017-18 first-year class. The undergraduate class includes an expected 574 international undergraduate students, representing a 39 per cent increase when compared to last year. It also includes 137 students attending the Bader International Study Centre (BISC) in Sussex, England, where the castle is celebrating its largest ever incoming class.

"Welcoming a new class is always an exciting time of year, as thousands of students begin their studies," says Ann Tierney, Vice-Provost and Dean of Student Affairs. "At Queen's, we strive to provide undergraduate and graduate students with an engaged, inclusive and supportive learning environment."

The School of Graduate Studies

Class of 2021 Quick Facts

- Female-identified students make up almost 60 per cent of the first-year cohort.
- 4.1 per cent of students self-identify as the first generation in their family to attend post-secondary education.
- 1.6 per cent of the incoming class identifies as Indigenous.

is welcoming 1,364 new students this fall across 125 programs. This group includes 1,207 master's students, 140 doctoral students, and 17 graduate diploma students. That group includes as many as 320 international graduate students, hailing from 43 different countries.

"Queen's University has a vibrant and diverse community of graduate students in a wide variety of fields who are conducting research and developing career skills," says Kim McAuley, Acting Vice-Provost and Dean of Graduate Studies. "We are excited to welcome our new graduate students, who contribute to our reputation for research and academic excellence."



PHOTOS BY LARS HAGBERG



Ahead of the arrival of the Class of 2021, orientation leaders participated in days of training and preparations, culminating in a gathering at the main gym of the Athletics and Recreation Centre where they heard from the Orientation Round Table executive, Rector Cam Yung, and Principal Daniel Woolf. The leaders also had a chance to show off the dance moves that are a staple of Orientation Week at Queen's University.

Keeping the conversation going on sexual violence

BY ANDREW CARROLL, GAZETTE EDITOR

As Farrah Khan is speaking, the thousands of first-year students filling the main gym of the Athletics and Recreation Centre (ARC) Monday morning are listening.

An engaging speaker, Ms. Khan's topic is one that is top of mind for many Queen's University students – consent and sexual violence.

In what has become an important part of Orientation Week at Queen's, incoming students learn about consent and sexual violence, both on campus and off, and participate in discussions about how these issues have already touched their lives.

In Canada, Ms. Khan highlights in her talk, 460,000 people are sexually assaulted each year, while social media has created a new dynamic for the issue as well.

Having these conversations out



Farrah Khan speaks to incoming students at Queen's about consent and sexual violence during one of two presentations at the Athletics and Recreation Centre main gym on Monday, Sept. 4.

in the open is important, she explains.

"I think we don't give young people enough credit. We assume that they are not hearing these conversations. We pretend that they shouldn't hear about sex," says Ms. Khan, co-chair of the Ontario Provincial Roundtable on Violence Against Women and a nationally-recognized public speaker

and educator on violence against women. She adds that current research shows many younger Canadians are getting a lot of their information from online – and unreliable – sources.

"We are not creating healthy environments where they are having these conversations, not only about consent and sexual assault but also about pleasure, every-

thing. We are failing as educators. So how can we do this better?"

During her talk, Ms. Khan discusses a number of topics – pleasure and communication, consent and bystander intervention, understanding what sexual violence looks like, and providing support to those who have experienced it. Throughout the talk she engages with her audience, getting volunteers to share their own experiences.

Having spoken at a number of universities, Ms. Khan says that while each school is different, she often hears the same questions from young men and women, as well as parents. The positive is that they are engaging in the conversation. It's a first step.

"What I think is really important is that entering students who are hearing this conversation also have for the first time had comprehensive sexual health education in Ontario secondary schools," Ms. Khan says. "Before

we didn't have comprehensive sexual health education, we had students coming in that had never heard the word consent in sexual health classes. So maybe we will have different conversations over the next couple years."

Following the orientation presentations, Ms. Khan also took part in a question-and-answer session with members of the Queen's community involved in addressing issues of gender-based violence on campus and working to prevent sexual violence at Queen's.

Visit the Student Affairs website (queensu.ca/studentaffairs/student-safety/personal-safety/abuse-and-sexual-harassment) for more information about the services and resources on campus and in the community to support individuals who have experienced sexual violence, as well as the bystander intervention training that is available to all students.



PHOTO BY TIA WILSON

After taking part in a general orientation, incoming students are split up into groups for their respective faculties, and a group for international students – NEWTS. Yoga was introduced this year, including an event on West Campus.



PHOTO BY GARRETT ELLIOTT



PHOTO BY TIA WILSON

Each of the faculties at Queen's has their own colourful traditions for Orientation Week, which incoming students are introduced to by orientation leaders.



PHOTO BY BERNARD CLARK

Move-in Day is always busy as close to 4,000 students move in to residence. The transition is made easier thanks to the support of hundreds of volunteers.



PHOTO BY BERNARD CLARK

Undergraduate orientation to undergo review

BY PHIL GAUDREAU, SENIOR COMMUNICATIONS OFFICER

Principal Daniel Woolf has announced that a working group will be formed to conduct a review of undergraduate orientation. The review will seek ways of making undergraduate orientation more welcoming and inclusive for all members of the Queen's community. The working group will be chaired by Deputy Provost (Academic Operations and Inclusion) Teri Shearer.

"Queen's University and the Alma Mater Society (AMS) are committed to the principles of equity, diversity, and inclusion," says Daniel Woolf, Principal. "Through this review, we aim to strengthen the student transition experience by ensuring that it respects and reflects the diversity of the student population, is welcoming and accessible for all students, and fosters, for all members of the incoming class, a sense of belonging at Queen's."

The 19-member Undergraduate Orientation Review Working

Undergraduate Orientation Review Working Group Membership

Deputy Provost – Chair
AMS President, or designate
Vice-Provost and Dean of Student Affairs, or designate

One faculty or staff representative from each of the following direct entry undergraduate programs as follows:

- Dean of Arts and Science, or designate
- Dean of Engineering & Ap-

plied Science, or designate

- Dean of the Faculty of Education, or designate
- Director of the School of Nursing, or designate
- Executive Director of the Commerce Program, or designate
- Director of the School of Computing, or designate
- Director of the School of Kinesiology, or designate

One student representative from, and selected by the presidents of, the undergraduate society of each of the following direct-entry

Group, which includes students, staff, faculty, and alumni, will examine all aspects of Queen's direct-entry undergraduate student orientation experience, including university orientation and the student society orientation activities. The working group will consult with the Queen's community, look to best practices at other institutions, and articulate a vision for orientation that achieves shared

goals around community building, inclusivity, accessibility, safety, and responsibility.

"Over the next six months, the working group will meet regularly and seek opportunities for feedback from the Queen's community – culminating in a final report this winter," says Dr. Shearer. "We will collaborate with the AMS and with students in a consultative and respectful manner

which recognizes the value of both peer-involved and peer-led orientation activities. We will use this opportunity to build a cooperative framework between Queen's, the AMS, and student societies that supports our shared vision of a safe, fun, inclusive, and accessible Orientation program."

The working group's recommendations will be captured in a report to the Principal to be pre-

undergraduate programs:

- Arts and Science
- Engineering & Applied Science
- Concurrent Education
- Nursing
- Commerce
- Computing
- Kinesiology

AMS Social Issues Commissioner
Manager, Student Experience Office

Advisory members (non-voting)
Director of the Human Rights

Office, or designate
Director of Four Directions
Aboriginal Student Centre, or designate
Director of Queen's University International Centre, or designate
President, Queen's University Alumni Association
1 member of University Council

Support (non-voting)
Associate Secretary of the University
Director of Communications, or designate

sented no later than March 1, 2018. Further details about the review, the members of the working group, and opportunities to participate in consultations will be posted to the Principal's. The working group's terms of reference and membership is available online at queensu.ca/principal/priorities-and-initiatives/undergraduate-orientation-review-working-group.

New faculty get set for new chapter

BY ANDREW CARROLL,
GAZETTE EDITOR

A new city, new colleagues, new experiences, and new opportunities.

Incoming faculty members at Queen's had their own orientation day on Thursday, Aug. 24 to help introduce them to the wide array of resources available at the university while also answering any questions they may have heading into the academic year.

Michael Doxtater arrives at the university as a Queen's National Scholar. His research interest includes Indigenous knowledge recovery and organizational learning and he is cross-appointed to the departments of Languages, Literatures and Cultures and the Global Development Studies departments

"To be welcomed by the provost (Benoit-Antoine Bacon) and by other senior administration as you enter into the Queen's community is something that impressed me," he says. "I have worked in other institutions and it's not always a very community welcoming environment. This is an important part of what Queen's represents."

The focus of the event, sponsored by the Office of the Provost and the Faculty Recruitment and Support Program in the Faculty Relations Unit, is providing participants the information they need and fostering the connec-



New faculty members at Queen's listen to a presentation during a special orientation day set up to introduce them to the resources and opportunities available at the university.

tions to help them succeed in this latest step in their careers. The day also provides an opportunity to network with new colleagues.

"For new faculty members arriving at Queen's orientation is vital because a new position is an investment in a future career, for both the new hire and the univer-

sity," says Jill Scott, Vice-Provost (Teaching and Learning). "It is important to build a solid, welcoming foundation by providing our new colleagues with an overview of the resources available to them and where to go for more information when they need it."

The orientation program focused on the three key areas of faculty members' work: teaching, research, and service to the university community. Attendees also took part in a series of discussions with representatives from campus units, including Information and Technology Serv-

"To be welcomed by the provost (Benoit-Antoine Bacon) and by other senior administration as you enter into the Queen's community is something that impressed me. I have worked in other institutions and it's not always a very community welcoming environment. This is an important part of what Queen's represents."

— Michael Doxtater,
Queen's National Scholar

ices, the Centre for Teaching and Learning, Queen's Library and University Research Services.

Already 36 new tenure-stream faculty members have been hired by Queen's this year, closing in on the objective of 40 for the 2017-18 academic year.

With a commitment to faculty renewal, Queen's has developed a plan that aims to hire 200 new faculty over the next five years. Once attrition is taken into account, the result will be an average of 10 net new hires per year. Included in this plan are 20 Queen's National Scholars. This is close to double the hiring pace of the past six years. The twin goals of the program is to energize and enhance Queen's research, and to diversify faculty by proactively seeking representation from equity seeking groups, notably women, racialized people, indigenous peoples and people with disabilities.

gradstudies

THESIS DEFENCES

Thursday, Sept. 14, 2017

Ryan Alison Kromer, Geological Sciences & Geological Engineering, 'Monitoring and Identifying Rock Slope Failure Precursors Using Terrestrial Laser Scanning for Improved Rock Slope Risk Management'. Supervisors: D.J. Hutchinson, M.J. Lato, A. Abellan, 402B Gordon Hall, 8:30 am

Friday, Sept. 15

Jessica Sessenwein, Neuroscience Studies, 'Microbial Modulation of Nociceptive Signalling'. Supervisor: A.E.G. Lomax, KGH-GIDRU Wing, 9 am

Tuesday, Sept. 19

Jennifer Bentz, Geological Sciences & Geological Engineering, 'Analysis of Clay Minerals in the Mudflats of Sulfate-Rich Saline Lakes'. Supervisor: R.C. Peterson, 402B Gordon Hall, 1 pm

Tuesday, Sept. 19

Kiarash Farahmand, Geological Sciences & Geological Engineering, 'Characterization of Rockmass Prop-

erties and Excavation Damage Zone Using a Synthetic Rock Mass (SRM) Approach'. Supervisor: M.S. Diederichs, 527 Bruce Wing, 10 am

Wednesday, Sept. 20

Nicole Hills, Rehabilitation Science, 'The Physical Implications of Diastasis Recti Abdominis Among Women at the End of Their First Postpartum Year'. Supervisors: L.B. McLean, T.L. Parsons, Louise D. Acton Bldg., 8:30 am

Thursday, Sept. 21

Stephen Smith, History, 'Within Arm's Reach: Political Violence, Voluntary organizing, and the Borderlands Press During the Canadian Rebellion, 1834 - 1842'. Supervisor: J.L. McNairn, 401 Watson Room, 4:15 pm

Friday, Sept. 22

Sanyasi Rao Bobbara, PHD, Physics, Engineering Physics and Astronomy 'Effect of Encapsulation and Light-Soak on Charge Transport Properties of Organic Semiconductor-Based Diodes'. Supervisor(s): D.J.M. Nunzi, Location: 201 Stirling Hall at 9 am

Friday, Sept. 22

Layan Nahlawi, Computing, 'Stochastic Modelling of Temporal Ultrasound Data for Prostate Cancer Diagnosis'. Supervisors: P. Mousavi, H. Shatkay, 524 Goodwin Hall, 9 am

Friday, Sept. 23

Krista Videchak, Philosophy, 'Philosophy 'Compassionate Education and the Reparations Debate: A Study Into the Enduring Injustices of Black People'. Supervisor: J. Miller, 307 Watson Hall, 11 am

Monday, Sept. 25

Francis Atampore, Computing, 'Towards Provably Correct Services: Automated Service Composition Via Supervisory Control Synthesis'. Supervisors: K. Rudie, J.U. Dingel, 524 Goodwin Hall, 1:30 pm

Monday, Sept. 25

Ali Bakhshali, Electrical & Computer Engineering, 'Nonlinearity Compensation for Next Generation Coherent Optical Fiber Communication Systems'. Supervisor: W.Y.G. Chan, Walter Light Hall Rm 302, 9 am

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Bringing Queen's economic rigour to the social sector

The Innovators, Entrepreneurs, and Collaborators series profiles regional innovations, startups and collaborations that are flourishing and which engage Queen's faculty, staff and/or students.

BY IAN COUTTS

Bahman Kashi slides the mouse in his right hand back and forth on the table top, clicking on the long columns of numbers and graphics displayed on his computer. To the casual observer, seeing these long ranks of columns on a wall screen in a boardroom at Innovation Park, what he is working with looks like a long, complex, and not easily understandable spreadsheet; in fact, these numbers are part of a sophisticated analysis that his company, Limestone Analytics, is carrying out aimed at improving health outcomes in hospitals in Cameroon, specifically saving children's lives.

Important, interesting work. But what has earned Kashi and his firm a spot at Innovation Park, Queen's University's incubator for startups (usually of the high-tech variety), is what lies behind the numbers – what Kashi refers to as Limestone's "methodology."

"Economists love models," says Kashi, himself a PhD in the field and an adjunct lecturer in the Department of Economics. With good reason. A mixture of data, assumptions and formulae, economic models are powerful tools, useful for determining the costs and benefits of business decisions, government policies or development programs such as the one that Kashi and his colleagues are working on. But the typical model is anything but user-friendly. Experts on a program or economic sector often build extensive models across a series of interconnected spreadsheets, making it nearly impossible for anyone else to update their analysis, let alone understand the details of the calculations being performed. Very much the idiosyncratic product of one mind, "it's easier," says Kashi, "for a second person to rebuild it



Based at Innovation Park, the Limestone Analytics team includes, from left: Caroline Godin; Jay MacKinnon; Jordan Nanowski; Jenny Watt; Bahman Kashi; Alexandra Galvin; Aalisha Lakdawala, Christopher Cotton.

from scratch than understand what had been done."

To cap it off, says Kashi, "Economists aren't the best at communicating."

Not surprisingly, given the somewhat artisanal fashion in which these models are constructed (they can take literally hundreds of hours), hiring an economic consultant is an expensive proposition. Kashi wondered if there might not be a more efficient and less expensive way to do it, one which would make modeling more accessible to a larger group of potential users. "An architect can draw a plan and pass it to a builder," he says. Why not do something similar with modeling?

The result is what he is displaying on-screen. It looks like a spreadsheet because it is a spreadsheet. But baked into it, so to speak, are the economist's assumptions and formulae – relating to costs and benefits, the social impacts, the stakeholders. Different people can work on different parts of the model – a health economist could create the model, essentially a series of equations; a

programmer could then incorporate the equations into Excel; and a research assistant (who might be an undergraduate, not a PhD) could track down statistics and enter them in an Excel table that the programmer set up to feed data into the underlying model. Making changes can be done quickly, he says, in a "matter of hours, not a week," as might be the case with a more conventional model.

Kashi was interested in bridging the gap between the social sector and the world of academic economics. He knew people in the social sector from teaching at Queen's, where they would approach the department for help with their projects. Largely lacking in economic training, they didn't have the right conceptual tools to evaluate a program or choose between two competing ones.

Founded in 2016, Limestone Analytics specializes in economic modeling, as well as the design, monitoring and evaluation of international development and social sector projects. Working with Kashi and his firm gives NGOs

(among them World Vision, one of the world's largest), a sophisticated analysis of potential or ongoing projects. For their part, Limestone Analytics gets real, hands-on examples to help them hone their methodology further. Those real-world examples are key, says Kashi. "We would be making fools of ourselves if we just went into a room for a year and a half, and then came out and said, 'Here's the model.'"

One of Limestone's recent projects, focused on an analysis of the Haitian electrical sector, undertaken for the Copenhagen Consensus Center, a Danish think tank. Limestone's project was chosen as the number one submission by an expert panel created by the Center to look at ways to help the Caribbean country climb out of poverty.

Most firms involved in consulting work similar to that done by Limestone Analytics tend to locate in Toronto or Ottawa, or even Washington. Limestone plans to stay in Kingston, at Innovation Park.

There are, says Kashi, a num-

ber of reasons for this.

"One is academic rigour. Very often these social-sector analyses are critiqued as poor quality, so we want to maintain our relationship with high-quality academic partners in the Queen's Department of Economics."

Thanks to the university connection, they also receive funding from MITACS, which reduces the costs for them to hire graduate students. Other faculty members in the partners in the Queen's Department of Economics are also regularly involved with Limestone's projects, helping ensure that they adhere to the highest standards of academic quality.

"The other point is if we were in Washington, say, we'd be flooded with jobs. But you don't want that if you are trying to change the very way things work. And we wouldn't get the support we get here," he says. Now up to eight people, Limestone Analytics has recently moved into a larger, more private footprint within the incubation space at Innovation Park, which continues to provide the company with access to numerous resources such as business advice from Launch Lab, and match-making services and intellectual property guidance from the Queen's Office of Partnerships and Innovation. (Limestone Analytics can also draw on resources in Toronto and Ottawa.) One of the key proposals Limestone is working on now is a direct outcome of an international event that took place at Innovation Park in June. "Even getting into MaRS (Toronto's startup incubator) for a desk you'd have to wait a year or two," he laughs.

"We are not the first to have tried this," says Kashi of the idea of creating a development-specific economic model. Both the United Nations and the World Bank have tried, but earlier attempts proved unsuccessful. "The problem is that earlier attempts have either tried to create a complex model to fit all situations, or restricted their assumptions to the degree that their work is no-longer useful. Our way is different. We are trying to develop a streamlined approach to the modeling process, while still allowing the models themselves to be flexible in their design and assumptions."

Ultimately, their goal is to refine their methodology and scale it up, which will give them a real product that they can sell to the World Bank, or other large and small organizations that deal with investments in infrastructure and social projects.

"It's a niche market," says Kashi, "but there's lots of demand for it."

PHOTO BY GARRETT ELLIOTT

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Setting priorities for the BISC

As Hugh Horton begins his first September as executive director of the Bader International Study Centre (BISC), the Gazette caught up with Dr. Horton during a visit to Kingston to learn more about him and preview the year ahead.

What made you decide to pursue this opportunity at the BISC?

"I first heard about the BISC while I was completing my PhD in chemistry at Churchill College, which is part of the University of Cambridge. During my time there it was announced that a castle had been do-



Queen's In the World

nated to Queen's University by the Bader family. I was slightly jealous that some of my fellow students, who were Queen's alumni, went to a university where you could be invited to a castle for the grand opening.

"I joined Queen's in 1997 as an assistant professor in chemistry. After several years and a few different roles, I became acting associate dean in the Faculty of Arts and Science and academic liaison for the BISC. As academic liaison, I was involved providing academic advising to students. The other part of the job involved working with BISC Academic Director Christian Lloyd on the curriculum and ensuring it was aligned with what was going on in Arts and Science. Our work eventually led to the introduction of the first year science program at the castle.

I later became associate dean, international within Arts and Science, and acting vice dean for a year – and then this opportunity came up with the BISC. It seemed to me I was a pretty good fit. I knew the castle, I knew Queen's, and I understood the Bader's vision for the campus, and that's what was needed. I also had a British passport – that didn't hurt.

How has the welcome been so far? Are you settling in?

"The welcome has been great. With the July start, I had the opportunity to meet with some outgoing summer classes – the Law program and the Arts & Science program – as well as many of the



Hugh Horton on location at the Bader International Study Centre (BISC). Dr. Horton became executive director of the BISC in July.

staff and some of the faculty. I have also had the opportunity to meet with community groups such as the Friends of Herstonceux and the BISC board.

"I intend to meet with everyone at the start of the year ceremony, and through a faculty retreat planned for early September. The retreat will be an important opportunity for us to discuss a few key priorities, such as equity and diversity and our academic plan."

Tell us about your priorities for the first year.

"There are three main priorities. The first is to secure and maintain full enrollment. We have made many big strides on our first-year enrolment with our biggest first-year class ever, demonstrating the success of our efforts to diversify our academic offerings. To maintain continuity for the new class of first years, we will be implementing strategies to build our upper-year enrolments at the BISC especially during the fall and winter.

"Additionally, we have recognized fundraising and alumni relations as a priority. This week, I had meetings with the Advancement team and several others to discuss those strategies. These topics will be increasingly important with the 25th anniversary of the first class at the BISC coming up in two years.

"Finally, for the first year, I will spend time meeting people, learn-

ing about the BISC, and the community. In particular, I will be looking for ways to engage our U.K.-based alumni in campus activities."

What is your leadership style and how you think this will help you as ED?

"I have done some evaluation and training on leadership styles. The tests tell me my style is "conscientious." I think employees at the BISC will find that I am attentive to detail, that I like to know why we're doing what we're doing. I am organized. I like to share what I am thinking so we are all on the same page, and my door is always open (as long as I am in my office and not in a meeting). I want everyone to be engaged."

Any messages for the incoming class of students?

"You're among the top students in the country, and you're coming to a unique experience in – let's face it – the top university in the country. You're in for an exciting year. It's a real opportunity for growth, not only academically but as a person.

"I have a lot of respect for you because it's a scary thing to do. You're going off to live in a different country for the first time, and to university for the first time. Not many people have the guts to do that. I hope we can give you a first class experience and a great first or third year at Queen's."

Post-graduate certificates for teachers expand to Ontario

BY COMMUNICATIONS STAFF

As the modern classroom continues to evolve, there is an increasing demand for teachers at the elementary and secondary levels to upgrade and develop new skills.

To meet this need, the Continuing Teacher Education unit at the Faculty of Education has been offering Additional Qualification (AQ) and Additional Basic Qualifications (ABQ) courses to Ontario teachers for over 25 years. Four years ago, they expanded into British Columbia to offer post-graduate certificates online. A wide range of courses have been offered for the past four years to teachers in B.C., and this fall the post-grad certificates will expand with certificates designed specifically for teachers in Ontario.

This marks a significant expansion for learning opportunities, explains Jessica Della-Latta, Executive Director of the Faculty of Education's Professional and Non-Credit Programs, adding that the new certificates will provide advanced standing for the online Professional Masters of Education (PME). The PME is a course-based master's degree program, which we designed for working professionals in diverse educational fields, and consists of 10 courses. The program offers fields of specialization to help students make the most of their education – fields include Aboriginal Education, Assessment and Evaluation, Classroom Specialist, Literacy,

and Teaching Abroad. The completion of one of the new post-grad certificates will allow two courses towards the PME.

Initially, two certificates – Special Education and English Language Learners – were available in B.C., but have since expanded to include Mathematics Education, and Early Childhood Education. In 2018 they will add another post-grad certificate for Teacher-Librarian.

After a small start the online program has gone from 25 enrolments in the first year to offering eight sessions annually, with more than 700 enrolments for the past summer term alone.

"Enrolments in B.C. have increased dramatically and it's primarily through word of mouth," Ms. Della-Latta says. "Response has been great. We have candidates calling up just to say how fantastic the courses are and that they are telling everyone they know about them."

Ms. Della-Latta says she expects to see a similar reaction in Ontario now that AQ/ABQ courses can be taken for a post-grad certificate ultimately leading to advanced standing in the PME. The initial post-grad certificates for Ontario will include Special Education, Teaching English Language Learners, Teacher Leadership and Technology in Teaching. An approval for a fifth post-grad certificate in Reading and Literacy is pending.

To learn more about the Post-Graduate Certificates, visit the educ.queensu.ca/gradcertificates.



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Gaels soccer teams aiming for playoffs

BY COMMUNICATIONS STAFF

With the season already underway, the Queen's Gaels women's and men's soccer teams are off to strong starts.

At 2-0-0 after the first weekend of the season the women's team is looking to make it back to the U Sports national championship for a third consecutive year.

Looking to go back-to-back for the OUA title, the Gaels finished last season with a 14-6-2 record – the fewest losses the team has had since the 2011 U Sports Championship season when the Gaels went undefeated. While the Gaels fell short of a conference repeat with an OUA silver, the team added a U Sports fourth overall finish to their resume – one spot better than in 2015.

During the past eight years, the women's soccer program has earned two OUA Championships, three OUA silver medals, two OUA bronze medals, two U Sports



Alexandra Doane, left, and Kelsie McGinn celebrate after Doane scored in the Queen's Gaels 4-2 win over the Nipissing Lakers on Sunday, Sept. 3.

Championships and one U Sports silver medal. Head coach Dave McDowell is in his 30th season, with 486 games behind the bench.

The 2017-18 season sees McDowell leading the Gaels with the full-time position as head coach, as well as the newly-appointed

technical director for both the men's and women's soccer programs at Queen's.

U Sports Championship All-Star Jenny Wolever returns to the line-up for her third season alongside fifth-year captain Laura Callender, who was named to this

year's FISU Canadian Women's soccer team.

"We know that the OUA will be extremely competitive this season," McDowell says. "Our veteran leaders and a strong recruiting class will look forward to high calibre competition that will come from so many talented opponents."

On the men's side, the Gaels have rebounded with a pair of wins after an opening loss to UOIT.

Last year, Queen's finished the regular season with a 7-5-4 record and reached the OUA East quarter-finals against Ryerson, losing 1-0 in overtime. The Gaels will look to once again make a playoff push and extend their consecutive playoff appearance streak to six years.

A graduating class of nine veteran players will give rise to opportunity for a young, fast-paced squad led by seniors Tonko Bacelic, Jacob Schroeter and

Patrick Van Belleghem. Schroeter and van Belleghem combined up front to score 15 goals in 15 games for the Gaels last season.

Head coach Christian Hoefler will lead the bench for his fourth consecutive season with the team. The 2017-18 season marks the first time a men's soccer coach has been appointed a full-time position at Queen's – a position Hoefler earned after going 28-12-14 in his first three seasons with the Gaels.

"There is a great sense of ambition towards this group of outstanding young men. Even though we are made up of younger classes, every player believes and buys into this program with a spirited passion that will surely excel," says Hoefler. "We really hope the Kingston soccer and Queen's communities come out to support the best soccer in the city."

See the schedules for both soccer teams at gogaels.com.



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books

How to Understand Statutes and Regulations, 2nd Edition, by **Nancy McCormack** (Law)

How to Understand Statutes and Regulations introduces the reader to Bills, Acts and Regulations, and describes how legislation works and is interpreted by the Courts. How Acts come into force, the various types of Acts, and citation practices are discussed.

The constituent elements of Acts (short and long title, table of contents, preamble, provisos, statement of purpose, headings, parts, sections, punctuation, marginal notes, etc.) are explained along with how they contribute to the meaning and interpretation of Acts.

E.A. Driedger's Modern Principle approach to statutory interpretation is explored in detail along with the rules and legal maxims which apply in the examination of the text, context, purpose and consequences of Acts. The role of the common law, the Constitution, the Charter, international law, and Interpretation Acts in statutory construction, along with the rules which apply to specific types of enactments such as quasi-



constitutional legislation are set out. Crown immunity is reviewed, and the special rules applying to aboriginal treaties/legislation are discussed. The courts' role in sorting out gaps, mistakes, overlap and drafting errors is considered.

The book includes an analysis of regulations specifically, and statutory instruments generally. A detailed glossary completes the work.

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COMMITTEES

Advisory Review Committee - Queen's Cancer Research Institute (QCRI)

In accordance with the Senate Policy on Procedures Governing the Establishment, Reporting and Review of Research Centres, Institutes and other Entities at Queen's University, Dr. Roger Deeley, Vice-Dean (Research), Faculty of Health Sciences is pleased to announce the membership of the Advisory Review Committee for the Queen's Cancer Research Institute (QCRI) five-year review. The committee comprises:

- Dr. Stephen Vanner, Chair of the Advisory Review Committee; Professor and Deputy Head, Dept. of Medicine

- Dr. Christine Williams, Deputy Director, Ontario Institute for Cancer Research

- Dr. Ann Chambers, Professor, Dept. of Oncology, Schulich School of Medicine & Dentistry, University of Western Ontario

- Dr. Steven Smith, Director of Research, Faculty of Health Sciences; Professor, Dept. of Biomedical & Molecular Sciences

- Dr. William Pickett, Professor

and Head, Dept. of Public Health Sciences

- Dr. James Biagi, Assoc. Professor and Acting Head, Dept. of Oncology

- Dr. Alexander Boag, Assoc. Professor and Head, Dept. of Pathology & Molecular Medicine

- Dr. Paula James, Professor, Dept. of Medicine

To assist with the review, faculty, staff, students and members of the University community are invited to submit their comments to Dr. Vanner c/o Maureen Hobbs (maureen.hobbs@queensu.ca) by Oct. 16, 2017. For more information on the QCRI, please visit the QCRI website.

Submissions will be shared only with the members of the Review Committee and will become part of the review process; anonymous submissions will not be accepted.

APPOINTMENTS

Dr. Michael Adams reappointed as Head of the Department of Biomedical and Molecular Sciences

Dean Richard Reznick is pleased to announce that Benoit-Antoine Bacon, Provost and Vice-Principal (Academic) at Queen's University, has appointed Dr. Michael Adams as the Head of the Department of Biomedical and Molecular Sciences, Faculty of Health Sciences, for a second five-year period beginning July 1, 2017.

Dr. Adams became the interim Head of the Department of Biomedical and Molecular Sciences in 2010 and then the Inaugural Head in 2012. In his first five years, he has been associated with many notable accomplishments. Importantly, he facilitated the process of bringing together five basic science departments into a single unit with a single graduate program. He has been the champion and founding Director of a novel online Bachelor of Health Sciences program. He has forged productive relationships with many other departments resulting in the hiring of several jointly appointed faculty members. Under his leadership, educational programs housed in DBMS have brought in significant new revenue to the School of Medicine.

Dr. Adams published 180 original articles and chapters and has been an invited lecturer and plenary speaker at many conferences around the world.

humanresources

Job postings

Full details regarding job postings – as well as the application process – can be found at queensu.ca/humanresources/careers.

- **Competition Number:** J0817-0852
Position Title: Graduate Assistant
Department or Area: Political Studies

Salary: \$45,458

Grade: 6

Hours per Week: 35

Job Type: Permanent (Continuing)

Closing Date: Sept. 24

- **Competition Number:** J0817-0304
Position Title: Director, Institutional Research and Planning

Department or Area: Institutional Research and Planning

Grade: 13

Hours per Week: 35

Job Type: Permanent (Continuing)

Closing Date: Oct. 1

- **Competition Number:** J0717-0027
Position Title: Film and Media Technician

Department or Area: Film & Media

Salary: \$49,068-\$61,335

Hours per Week: 30

Months Worked: October - May

Shift: 9 am-4 pm

Closing Date: Sept. 24

Additional Information: Salary prorated based on hours per week

Competition Number: J0617-0569

Position Title: Residence Conduct Coordinator

Department or Area: Residence Life (Housing & Ancillary Services)

Salary: \$51,545

Grade: 7

Hours per Week: 35

Job Type: Permanent (Continuing)

Closing Date: Sept. 19

- **Competition Number:** J0817-0328

Position Title: Research Scientist

Department or Area: Physics

Grade: 10

Hours per Week: 35

Length of term: 3 years

Closing Date: Oct. 3

Successful Candidates

- **Job Title:** Education Innovation Developer (USW Local 2010)

Department: Faculty of Law

Competition: 2017-212

Successful Candidate: Katherine Prescott (Applied Science Programs)

- **Job Title:** Events Representative (USW Local 2010)

Department: Undergraduate Admission & Recruitment

Competition: 2017-095

Successful Candidate: Curtis Gonyou (Undergraduate Admission & Recruitment)

Job Title: Exchange Coordinator (USW Local 2010)

Department: International Programs Office

Competition: J0517-1042

Successful Candidate: Haley McCormick (International Programs Office)

- **Job Title:** Program Associate (USW Local 2010)

Department: Chemical Engineering

Competition: 2017-182

Successful Candidate: Lev Mirzoian

- **Job Title:** Research Assistant, Cardiology, Heart Rhythm Service

Department: Medicine

Competition: 2017-181

Successful Candidate: Dmitry Uchitel

- **Job Title:** Coordinator, Learning Technologies and IT Client Support (USW Local 2010)

Department: Faculty of Education

Competition: 2017-217

Successful Candidate: Candace Parsons (Continuing & Distance Studies)

- **Job Title:** Managing Editor (USW Local 2010)

Department: Smith School of Business

Competition: 2017-174

Successful Candidate: Robert Gerlsbeck

Job Title: Technical Director & Head Coach, Women's Soccer

Department: Athletics and Recreation

Competition: 2017-207

Successful Candidate: Dave McDowell

- **Job Title:** Research Projects Advisor (USW Local 2010)

Department: University Research Services, VP (Research) Portfolio

Competition: 2017-086 (A,B & C)

Successful Candidate: Adrian Kelly, Kelly Cathcart & Jennifer Robinson

- **Job Title:** Head Coach, Men's Rugby

Department: Athletics and Recreation

Competition: 2017-220

Successful Candidate: David Butcher

Job Title: Head Coach, Women's Rugby

Department: Athletics and Recreation

Competition: 2017-219

Successful Candidate: Daniel Valley

- **Job Title:** Machine Shop Instrument Maker (CUPE 254)

Department: Physics

Competition: J0617-0702

Successful Candidate: Patrick Given (Mechanical and Materials Engineering)

- **Job Title:** Special Projects Officer - Finance (USW Local 2010)

Department: Faculty of Health Sciences - Financial Services

Competition: J0617-0566

Successful Candidate: Ian Rand (Financial Services)

PUZZLE SOLUTIONS

2	6	3	8	7	5	1	4	9
7	9	4	6	1	3	5	8	2
5	8	1	4	2	9	3	6	7
8	3	5	2	4	1	9	7	6
6	1	2	9	3	7	8	5	4
9	4	7	5	8	6	2	3	1
3	7	9	1	5	4	6	2	8
4	2	6	3	9	8	7	1	5
1	5	8	7	6	2	4	9	3

WRY	BLOB	DAME	TAOS					
ROOT	LEDA	OMAN	ALVA					
IAGO	AVER	GIRD	ITEM					
TRAPEZE	BUGS	YMALONE						
	SLEEP	LESSON						
REREAD	AGED	SITSUP						
EXACT	FREE	HOTSHOTS						
SPIRE	ATE	VIA	TOMES					
STONE	ICY	BISTRO	EST					
	TART	JAM	MINT					
PEW	MAIDEN	GEM	HALO					
ERASE	OUT	FRA	DEVON					
AIRPLANE	DIAL	ABIDE						
RETAIL	CUTS	PRIDES						
	TEETH	PRONG						
HIGHANXIETY	HUSBAND							
IDLE	CUTE	AVON	USER					
SEEM	ODOR	RIND	SILLO					
SEES	NESS	DEES	ALPI					

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