

LIVE FROM SPACE



PHOTO COURTESY NASA

Drew Feustel (PhD'95), a Queen's alumnus and NASA astronaut, is on the International Space Station for the next six months after arriving on Friday, March 23. The university will be hosting an Ask an Astronaut: NASA Educational Downlink event on Friday, April 6, which will include a 20-minute conversation with Dr. Feustel. See more on Page 3.



CANADA 150 CHAIR

Sari van Anders, a leading human sexuality and gender scholar, is coming to Queen's University after being named a Canada 150 Research Chair. She is one of only 26 C150 research chairs appointed nationwide. More on Page 2

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PHOTO BY JOSEPH XU

Sari van Anders is arriving at Queen's University as the Canada 150 Research (C150) Chair in Social Neuroendocrinology, Sexuality, and Gender/Sex. A renowned sex researcher, Dr. van Anders assumes her new role at Queen's University in the Department of Psychology with cross appointments to the Department of Gender Studies and the Centre for Neuroscience Studies in July 2018.

World-class sex researcher joins Queen's

Leading human sexuality and gender scholar, Sari van Anders, named Canada 150 Research Chair

BY DAVE RIDEOUT,
COMMUNICATIONS OFFICER

Renowned sex researcher Sari van Anders is joining Queen's University as the Canada 150 Research (C150) Chair in Social Neuroendocrinology, Sexuality, and Gender/Sex, an appointment that grants her \$2.45 million in research funding over the next seven years. She is one of only 26 C150 research chairs appointed nationwide by this competitive, one-time federal government initiative designed to recruit top-tier academic talent from around the world to conduct their work at Canadian post-secondary institutions.

"Being selected as a Canada 150 Research Chair is an incredible honour and a very personal one as a Canadian. I'm so excited to be able to come back to do my research, and to join Queen's University to do so," says Dr. van Anders. "Queen's is such a vibrant university, and it's a privilege to be able to join one of Canada's leading research institutions."

Dr. van Anders is a Torontonian who has been a professor in Psychology, Women's Studies,

and Neuroscience at the University of Michigan for the past decade.

"It's truly remarkable that Canada highlighted research as one of its priorities for celebrating and nation-building," she says. "To be included in that national celebration with a research program focusing on feminist and queer science as well as gender and sexuality is an honor that seems uniquely Canadian. Canada is an international leader on gender equity and sexual diversity and I'm excited to be a part of this."

Dr. van Anders' own research involves an interdisciplinary study of human sexuality, gender, and sex. She has created sexual configurations theory – a new way to conceptualize, measure, and explore how people experience their genders, sexes, and sexualities. She also is a leader in social neuroendocrinology, which seeks to understand how social behaviours influence hormones in social context – such as how sexual behaviours, erotic thoughts, or gender socialization change testosterone levels in the body, for instance.

Dr. van Anders is also a sex re-

searcher and explains: "I see my research contributing to our understandings of sexual phenomena like orgasm, fantasy, desire, and pornography – as well as larger related constructs like gender and sexual diversity. Some of this research connects to hormones like testosterone, and some of it is to understand sexuality on its own as important phenomena in people's lives and our culture."

The Canada 150 Research Chair funding will bolster understanding of these and many more areas of Dr. van Anders' interdisciplinary work, including how social norms, gender roles, and power dynamics affect the body's physiology, and how laypeople and scientists can conceptualize gender and sexuality.

"Dr. van Anders is a world-class scholar whose work, including her role as editor of the esteemed *Annual Review of Sex Research*, has continually expanded and shaped our understanding of human sexuality," says Barbara Crow, Dean, Faculty of Arts and Science. "Joining Queen's as part of the prestigious C150 program, she will significantly bolster an already-impres-

sive sex and gender research portfolio at the university."

Dr. van Anders' move to Queen's will see her join other leading international sex researchers, including female sexuality expert Meredith Chivers and sexual function/dysfunction expert Caroline Pukall.

"As part of our academic evolution, Queen's will see its faculty grow, diversify, and strengthen over the next five years," says Principal and Vice-Chancellor Daniel Woolf. "Dr. van Anders' expertise will lend significantly to our institution's research capabilities, and many aspects of her work exemplify the diversity, equity, and inclusion we value. The Canada 150 Research Chair project is certainly bringing the world's brightest to our country."

Dr. van Anders' appointment as a Canada 150 Research Chair was made official at a ceremony in Ottawa on March 29, 2018.

Dr. van Anders assumes her new role at Queen's University in the Department of Psychology with cross appointments to the Department of Gender Studies and the Centre for Neuroscience Studies in July 2018.

the gazette

Volume 46, Number 7, 2018

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The *Gazette* is published biweekly during the academic year (September – April) and monthly during the Spring (May – June) by University Communications, Richardson Hall, Queen's University.

Submissions are welcome, and may be emailed to andrew.carroll@queensu.ca. The editor reserves the right to edit or refuse any submission. Views expressed or implied are those of individual contributors or sources quoted and do not necessarily reflect university policy.

SCHEDULE

Issue date: April 17
Ad booking deadline: March 30
Ad artwork deadline: April 6
Noon editorial deadline: April 12

Issue date: May 22
Ad booking deadline: May 5
Ad artwork deadline: May 12
Noon editorial deadline: May 16

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A chance to 'Ask an Astronaut'

BY SARAH LINDERS, SENIOR COMMUNICATIONS OFFICER

Drew Feustel (PhD'95), Queen's graduate and NASA astronaut, has been hard at work since his arrival at the International Space Station (ISS) on March 23. But coming soon, Dr. Feustel will be taking a break from his space walks and zero gravity experiments to talk to a live audience right here at Queen's.

The Ask an Astronaut: NASA Educational Downlink event on Friday, April 6, will include a 20-minute conversation with Dr. Feustel. During this unique event, the audience will hear directly from the astronaut himself about the challenges of researching in zero gravity, day-to-day life aboard the ISS, and what it's like to perform a spacewalk. This is the first time NASA has granted a Canadian school the opportunity to hold an educational downlink live from space.

"The research work we are doing about the International Space Station is truly expanding the boundaries of our knowledge of space and I'm very excited to be able to speak to students and the entire Queen's community about what we are learning and what life is like aboard the station," says Dr. Feustel. "I'm also looking forward to talking about my own path and how it brought me to

where I am now so the next generation can see that no goal is too great for them to achieve."

Along with Dr. Feustel, the Ask and Astronaut event will also feature stellar talks about the many aspects of space research from special guests, including Nobel Laureate Arthur McDonald, NASA Postdoctoral Fellow and Planetary Scientist Michelle Thompson (Artsci'11, Sc'11), Nathalie Ouellette (MSc'12, PhD'16) of the Canadian Particle Astrophysics Research Centre (CPARC), and Nandini Deshpande from the School of Rehabilitation Therapy.

"This is a rare opportunity for people to gather and interact with a scientist who is helping to carry out an impressive number of research projects each day aboard an international space station," says John Fisher, Vice-Principal (Research). "As an exciting complement to Dr. Feustel's downlink, the event will also be a chance for people to hear from some top space experts who come from a range of backgrounds and are based here at Queen's and at NASA."

Everyone is welcome to attend. Doors open at 10:30 am in Grant Hall and seats will fill fast. Admission is free. You can find more information about the NASA Educational Downlink on the Ask an Astronaut event page on Facebook.



NASA/JOEL KOWSKY

Queen's alumnus Drew Feustel, front right, speaks with Moscow Mission Control Center in Korolev, Russia a few hours after the Soyuz MS-08 docked to the International Space Station.

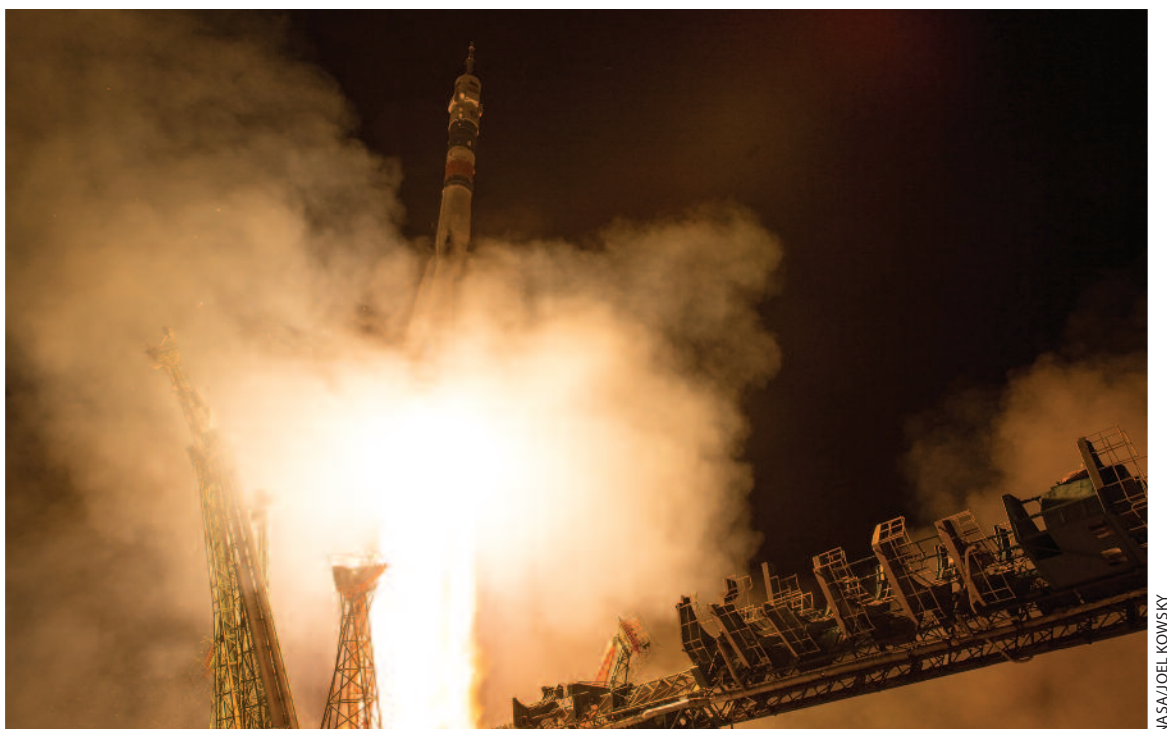


Queen's students, faculty and staff gathered at Miller Hall for a special viewing of the launch of the Soyuz rocket carrying alumnus Drew Feustel to the International Space Station along with fellow NASA astronaut Ricky Arnold and Russian cosmonaut Oleg Artemyev.



NASA/JOEL KOWSKY

Expedition 55 Flight Engineer Drew Feustel of NASA, top, Flight Engineer Ricky Arnold of NASA, middle, and Soyuz Commander Oleg Artemyev of Roscosmos, bottom, wave farewell prior to boarding the Soyuz MS-08 spacecraft for launch, Wednesday, March 21, 2018 at the Baikonur Cosmodrome in Kazakhstan.



NASA/JOEL KOWSKY

The Soyuz MS-08 rocket launches from Baikonur Cosmodrome in Kazakhstan carrying Queen's alumnus Drew Feustel (PhD'95), NASA astronaut Ricky Arnold and Russian cosmonaut Oleg Artemyev on Wednesday, March 21.

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Equity Office marks 20th anniversary

Tri-Awards handed out to community members making a difference in equity, human rights and making Queen's a more inclusive place

BY PHIL GAUDREAU, SENIOR COMMUNICATIONS OFFICER

The Queen's Equity and Human Rights Offices congratulated various members of the Queen's community on their efforts to build a more inclusive Queen's, and celebrated two decades of its own work.

On Tuesday, March 20, the offices hosted their Tri-Awards Reception. This annual symposium featured leading speakers on equity and human rights, and recognized four Queen's employees and two students for their efforts to build a more inclusive Queen's University.

"We are fortunate in Canada to have a society rich in diversity, and it can be easy to forget that inclusion does not happen by accident," says Stephanie Simpson, Executive Director, Human Rights and Equity Offices, and University Advisor on Equity and Human Rights. "Successful learning, living, and employment outcomes are the result of a shared responsibility and commitment. The annual Tri-Awards ceremony is a celebration of community as well as the individuals and groups who make remarkable contributions to the advancement of equity, human rights, accessibility, and inclusion here at Queen's."

The Equity Office was created following a university-wide restructuring of equity and human rights initiatives in 1998, when then-Principal William Leggett hired Mary Margaret Dauphinee as Queen's first University Advisor on Equity.

During the event, attendees honoured the recently-retired University Advisor on Equity and Human Rights, Irène Bujara, who was in attendance.

The event's booklet also paid tribute to Leo Yerxa, an Indigenous artist who created numerous images on behalf of the Queen's Equity and Human Rights Offices. Yerxa passed away last year. His most recognizable work on the Queen's campus were the "Woman Recreated" mosaics, which were created in 2012 to recognize the 20th anniversary of the Human Rights office. The mosaics continue to be displayed in the Dunning/Mac-Corry passage and Gordon Hall Room 401.

EQUITY OFFICE AWARDS RECIPIENTS:

Employment Equity

Recipients: Michael Fisher, Human Resources Manager, and Erin LeBlanc (Artsci'82, LLM'12), Adjunct Lecturer (Smith School of Business)

Project: Transgender Transitioning Guideline

Fisher and LeBlanc worked together to initiate the development of Transgender Transitioning Guidelines for the Smith School of Business. Foundational to the process of developing these guidelines was the goal of identifying and removing barriers for individuals transitioning in the workplace both now and into the future.

Fisher exemplified the spirit of stepping up to the mark and then going beyond expectations in establishing a safe and supportive professional environment.

Through speaking opportunities and community engagement, LeBlanc continues to be an advocate in the areas for gender identity and gender expression at Queen's and beyond.

Human Rights Initiative

Recipient: Tricia Baldwin, Director of the Isabel Bader Centre for the Performing Arts

Project: Human Rights Festival at the Isabel Bader Centre for the Performing Arts

Based on tremendous contributions to the Isabel Human Rights Arts Festival, Baldwin was able to organize an event which provided a lasting benefit to the Queen's and Kingston community. In addition, it brought social justice messages to life and changed the cultural landscape through artistic mediums and experiences.

In 2018 the Human Rights Festival continued to grow and expand, attracting a diversity of attendees from the university, Kingston and beyond.

Steve Cutway Accessibility Award

First recipient: Ian Casson, Assistant Professor, Department of Family Medicine

Project: Health Check Program
Over the past five years, Dr. Casson has been the driving force in developing, promoting and distributing tools to promote the innovative Health Check Program.

Housed within the Queen's Department of Family Medicine, the primary care clinic implemented the Health Check Program to reduce inequities in health care for adults with intellectual and developmental disabilities.

Dr. Casson has worked unwaveringly throughout the progress of this initiative, all the while upholding the values of providing respectful and equitable health care to people with disabilities.

Second recipients: Em Osborne (Artsci'17) and Charlotte Johnston (ConEd'17)

Project: Access Art

As part of the Isabel Human Rights Art Festival, Johnston and Osborne were instrumental in organizing the widely successful Access Art project which examined intersecting facets of identity through artistic mediums.

Johnston and Osborne gave countless hours towards this project, with enthusiastic and positive attitudes amid the course of maintaining their academic endeavours.

To open the event, the audience heard from speakers Sheila Cote-Meek and Minelle Mahtani. Dr. Cote-Meek, who is Anishinaabe from the Teme-Augama Anishnabai, spoke to her experience as an Indigenous woman and as an academic, and offered suggestions on Indigenizing the academy and making it a more inclusive place for Indigenous Peoples.

Dr. Mahtani's talk, meanwhile, was focused on marginalized voices, and drew from her own experience as she worked to enter academia.

Following the two keynotes, Dr. Cote-Meek and Dr. Mahtani joined Queen's own Ramna Safeer (Artsci'18), Social Issues Commissioner with the Alma Mater Society; Awet Weldemichael, Associate Professor and Queen's National Scholar on African and World History; Lauren Winkler (Artsci'17, JD'20), past president of the Queen's Native Student Association and past member of the Queen's Truth and Reconciliation task force; and Beverley Mullings, Associate Professor and Queen's National Scholar in the Department of Geography and Planning, for a broader conversation about equity in academia.



2017 Tri-Award recipients, along with the Provost and Deputy Provost (Academic Operations and Inclusion). Back, from left: Erin LeBlanc, Michael Fisher, Ian Casson, Deputy Provost Teri Shearer, Provost Benoit-Antoine Bacon. Front, from left: Tricia Baldwin, Charlotte Johnston, Em Osborne.



A panel explored matters of equity and inclusion within higher education, and took questions from the audience.



The Four Directions Women Singers performed an honour song for the award winners, and a travelling song to mark the end of the event.

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Donation boosts Indigenous art collection

BY PHIL GAUDREAU, SENIOR COMMUNICATIONS OFFICER

The Agnes Etherington Art Centre has received a donation of 23 stone-cut and stencil prints from alumna Margaret McGowan (Artsci'78). Ms. McGowan and her husband have also sponsored a research studentship, and these gifts complement bequests that the couple had previously established.

"As a student at Queen's, I visited the Agnes regularly to see the exhibits and to enjoy the peace and beauty of the original house," she says. "Recently, a more immediate opportunity to make a gift presented itself. For years I collected early Inuit prints from Puvirnituk on the east coast of Hudson Bay in northern Québec. I offered the collection of 23 prints to Queen's, and Professor Norman Vorano was enthusiastic about adding them to the Agnes's collection. He suggested the prints would offer possibilities for programming, exhibitions, and academic and community-based research."

The prints span the first decades of printmaking in the Puvirnituk community, from 1961 to 1989. Consisting of 23 works on paper, the donation provides a representative overview of the emergence of printmaking in this community. The prints focus on depictions of birds and animals, show hunting scenes, and life at camp, with a few of the illustrations representing stories from the oral history of the Inuit culture.

In addition to this gift, Ms. McGowan and her husband are supporting a research studentship specific to Indigenous art and with a priority focus on Inuit art.



Mattusie Manakudluk (QC 1911-Puvirnituk QC 1968), *In Summer They Went Camping, In Winter They Went for Seals*, 1968, stonecut on paper, 27/30. Gift of Margaret McGowan Artsci'78, 2017 (60-003.18). (Photo by Bernard Clark)

The Research Studentship in Indigenous Art will provide opportunities for Queen's students to further their studies in art history, art conservation, or Indigenous studies; enable research into the prints of Puvirnituk; and benefit the collections and programs at the Agnes.

To be eligible for the studentship, interested students must submit their applications to the Agnes Etherington Art Centre and a committee will decide on the recipient. The studentship will be granted on the basis of demonstrated knowledge, interest, and experience in the relevant disciplines, and the candidate's potential to contribute to the field.

Dr. Vorano, a Queen's National Scholar and Curator of Indigenous Art with the Agnes, says this donation is an excellent complement to the art centre's existing Inuit graphic arts and resources.

"The McGowan donation will help Queen's foster and support innovative student research, and enhance the experiential learning possibilities in the gallery and beyond," says Dr. Vorano. "This donation will help us present a more comprehensive and comparative history of Arctic printmaking, and through the research studentship will also help attract Indigenous students and support a diverse array of graduate and upper-year undergraduate research."

In addition to furthering scholarship on campus, these new art pieces and the studentship will support Queen's in its reconciliation efforts. The Truth and Reconciliation Commission task force report called on the university to, among other things, raise awareness of the complex histories of Indigenous

Peoples, and to enhance the visibility of Indigenous communities at Queen's.

The donations also build on past commitments that Ms. McGowan and her husband have made to the Agnes. The couple had previously established two bequests which will establish a second research studentship, and will create a bursary program that will provide full or partial bursaries for elementary and high school students participating in public and art education programming presented by the Agnes Etherington Art Centre.

"I am tremendously grateful to Ms. McGowan and her husband for this generous gift of art, which enables us to better reflect the complex expression of Inuit culture, and for such thoughtful support for related research," says Jan Allen, Director of the Agnes Etherington Art Centre. "We look forward to sharing new insights and to presenting these extraordinary prints for all to enjoy, as part of the expanding presence of Indigenous culture on campus and across the wider community."

A selection of the Puvirnituk prints will be displayed at the Agnes in the spring and summer 2019.

The timing of this donation is also significant, as it comes just as the Master of Art Conservation program announced a \$632,000 grant over five years from the Andrew W. Mellon Foundation. The grant will be used to develop conservation research and online courses with a focus on Indigenous material culture.

For more information on art exhibits at the Agnes Etherington Art Centre, visit agnes.queensu.ca.

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view point

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

Surviving a full-fledged fieldwork catastrophe

This column was first published on the Dispatches From the Field blog (dispatchesfromthefield1.wordpress.com/) and is written by Becky Taylor (PhD'17), a Post-Doctoral Fellow at Queen's.

It's funny how some moments are forever fixed in your mind's eye, like a snapshot that you can recall in absolute detail. I am standing on a beach at 4 am, marooned on an uninhabited desert islet in Cape Verde (off the coast of western Africa), with two other people and no possessions but the clothes on our backs (and a bottle of Cape Verde wine), gazing at the carnage that was our campsite. How, you may ask, did I find myself in this situation?



Becky Taylor

I don't want this post to be in any way negative about Cape Verde itself. Quite the contrary. It is by far one of the most beautiful and incredible countries I have ever been to, and the sheer kindness of the people who live there was not only welcoming from the minute I arrived, but a lifesaver when things didn't go to plan. They have a saying in Cape

Verde: 'Morabeza'! From what I understand, it translates as 'treat guests exactly as family'...and that is exactly what they did.

I travelled to Cape Verde during my PhD, for which I was studying genomic variation in band-rumped storm-petrels. These are small, nocturnal seabirds that breed on remote islands, and a population of particular interest to me lives on some of the small islets in Cape Verde. I travelled first to Fogo Island, one of the bigger inhabited islands, to plan for fieldwork and meet up with my wonderful field leader, Herculano, the manager of Parque Natural de Fogo.

While we were planning our work, Herculano took me to Pico do Fogo, the active volcano that gives the island its name. It is an area of stunning beauty, and I had the opportunity to hike on the lava field and go caving through lava flow tunnels. While on Fogo, I also swam in a beautiful lagoon, enjoyed the soft black sand beaches, sampled wine in the local winery, and ate fried eel (which is actually very good). There are few tourists who visit Fogo Island, and it really is one of the world's best kept secrets.

After sightseeing and gathering supplies, it was time to start fieldwork. We needed to catch storm-petrels on a small islet called Ilheu de Cima. As Cima is

nothing but rock and a string of beaches, we had to bring all of our supplies with us, including food and water. Herculano arranged for some local fishermen to drop the three of us (himself, my field assistant and childhood bestie Freyja, and me) off on Cima with our camping supplies. And for the first few days we enjoyed our own little island paradise.

By day we would explore the small islet, trying to find some shelter from the sun, although shade was very hard to come by. Luckily I like hot weather, so I was thoroughly enjoying the heat and our many private beaches.

As the storm-petrels are nocturnal, we would hike to the nesting colony before sunset, scramble down a rock face on the far side of the islet, and set up our mist net to catch birds as they flew to and from their rock crevice nests. Usually we would catch birds until around 3 or 4 am before packing up and hiking to camp. As it was September we were fortunate enough to be there during the loggerhead sea turtle nesting season, and we (very quietly) would watch females lay their eggs as we wound down from our work.

It all sounds amazing, right? Too good to be true, I suppose. One night, after a really great night of sampling, we hiked back

to camp to find...well...no camp.

And that brings us to the point at which I started my story. We stood on the beach realizing that our entire camp was gone (aside from that one bottle of wine, which had somehow survived). We can't be 100 per cent sure what happened, but it looked like a big wave came in and washed everything out to sea. Bits of debris were scattered across the beach, and our tents (which we had anchored with boulders) were gone – along with everything that was inside. And obviously when you are camping on an uninhabited islet, there is no one to steal your possessions, and so you don't mind leaving everything in your tent. For example, your passport, money, bank cards, and IDs.

So what do you do in that moment? Well, we sat on top of the islet, watched one of the most beautiful sunrises I have ever seen, and swigged from the wine bottle, feeling defeated. Thankfully we had kept our phones on us and could call for help. Eventually, we managed to get hold of the fishermen, who rescued us that afternoon.

Back on Fogo, Freyja and I realised we were now in a foreign country with no way of accessing money or identifying ourselves. We relied on the kindness of Herculano, his family, and the other

locals, to provide food and shelter (and some spare clothes). Without their help I don't know what we would have done. It was a big learning experience for me, accepting so much from people I hardly knew. Morabeza indeed!

Freyja and I are both British citizens, but there is no British consulate in Cape Verde, so the British consulate communicated with the Portuguese consulate to provide us with temporary travel documents. Eventually, with the concerted efforts of a whole host of people, we managed to arrange our way back home. (It took a few days, though, by which point we were looking particularly haggard). At the time I was pretty traumatised, feeling like the whole experience had been a complete disaster. However, looking back I learnt a lot from it. Possessions can be replaced; the fact that we were safe was all that really mattered. And I will never be too proud to accept help when I need it.

I don't regret my time on Cima: it was a unique experience and a wonderful place to have spent some time (not to mention a great story).

Plus, the samples we had collected that night were still in my bag, and thankfully provided enough material for me to sequence the storm-petrels' DNA and finish my research project.

liveslived

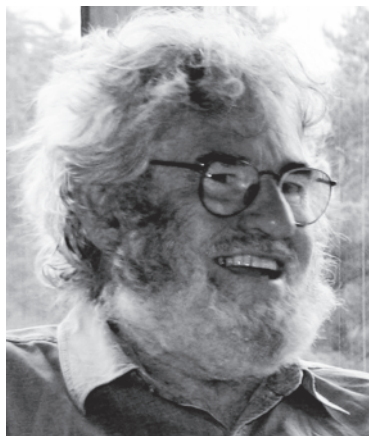
Lives Lived is a space to share your memories of a Queen's community member who recently died. Email your submissions to andrew.carroll@queensu.ca

Professor Ian Hughes was happiest when in deep discussion

Ian Hughes was born on Aug. 7, 1934 in Johannesburg, South Africa. A professor in the Department of Mathematics and Statistics from 1968-2000, he died on March 18, 2018 in Kingston of Corticobasal Degeneration.

Social justice and anti-war activist, devil's advocate and absent-minded mathematics professor, Ian Hughes was happiest when in deep discussion, preferably while enjoying dark chocolate.

Favourite subjects included politics, mathematics and soccer (he was a Liverpool fan). He was at times judgemental, but tried to treat everyone with respect and preferred being criticized to being ignored. Inquisitive, he talked to everyone, intently interested in their lives, sometimes to



Ian Hughes

their discomfort.

He loved connecting with people of different backgrounds and cultures, often sharing his home with them.

Ian cared deeply about the earth and came to understand how intricately all life forms are connected. He hated wasteful consumerism and every capitalist plot going.

Eminently impractical, he had exceptional luck in meeting and marrying Margaret, his wife of almost 54 years.

Perhaps the near blindness Ian experienced from birth gave him an edge when it came to the complex inner thinking needed to practise abstract algebra, but it didn't isolate him.

He taught in Liverpool, Glasgow, Johannesburg, New York City, Penn State, Nairobi and at Queen's University from 1968-2000. His best mathematics was in collaboration and was instrumen-

tal in Queen's becoming one of the two leading international centres for the study of Modular Invariant Theory.

In the 1970s and 1980s he spent three years at the University of Nairobi with the support of Queen's. He wanted to experience life in an independent democratic African country.

In Canada he participated in anti-apartheid work and, together with other activists, persuaded Queen's to divest from companies with investments in South Africa.

Ian leaves Margaret, children Catherine (June), Mikaela (Lisa) and Daniel (Sandra), grandsons Gavin and Atticus, his beloved "little boys", and sister Helen (Ned) in Australia. Predeceased by his brothers, Paul and Brendan

and daughter-in-law Kay.

A Celebration of Ian's life will be held at the Catarauqui Conservation Area Outdoor Centre on Monday, April 9 at 1 p.m. All welcome. No flowers by request.

The family thanks all of Ian's friends who visited him during his long illness. Special thanks to Lori Moore who looked after Ian at home with humour and love and the nursing and PSW staff at Rideaucrest Home for the exceptional care and love they gave to Ian while he was resident there. Ian wanted to experience to the full every ounce of life he was given. He died peacefully, a single tear on his cheek.

Any donations can be sent to Medicines Sans Frontières, Democracy Now! and Help Lesotho.

Queen's in the news

Highlights of Queen's experts in the media from March 15-29

NEWSPAPER

Amanda Ross-White (Library and Archives) had her op-ed on still-birth published in the Ottawa Citizen, and says supporting the family is key after a miscarriage.

Elsbeth Murray (Smith School of Business) discussed Smith School of Business' new Master of Management in Artificial Intelligence program in the Globe and Mail.

Gordon Boyd (Critical Care Medicine Program) says in the Kingston Whig-Standard that his research team has determined a possible cause of delirium.

Bruce Pardy (Law) says it's legitimate for professors and students to pick apart judgements and articulate values they believe the law should reflect, but not legitimate for a law school to do so, in a column by the National Post's Christie Blatchford.

Xiaolong Yang (School of Medicine, Pathology and Molecular Medicine) told the Kingston Herald that his research team's new tool utilizing a firefly enzyme can detect cancerous cells' behavior in a new



way and will help future development of drugs for preventing the most devastating and drug-resistant cancers from spreading.

ONLINE

Nick Bala (Law) commented on a British Columbia custody case in The Lawyer's Daily, and noted the issue with Kane v. Proffitt was Justice Leask's decision to perform an "experiment" rather than issuing an appeal decision.

Kathy Brock (Political Studies) commented on CBC.ca about Doug Ford, saying he has to bring together factions of the party and appeal to a broad base of voters. The story also appeared in Yahoo Canada.

Jane Boulden (Political Studies) was interviewed by globalnews.ca about Canada's peacekeeping missions.

Gerald Evans (Infectious Diseases) commented on globalnews.ca on sickness on planes.

Louise de Lannoy (Kinesiology) was interviewed by US News and World Report about her new research into a new submaximal fit-



ness test that determines how well the body performs exercise.

Ashley Waddington (School of Medicine) was interviewed by the Huffington Post about the Ottawa Senators player Erik Karlsson's still-born son, and says many infant deaths that occur close to when a baby would have been due just can't be explained.

Jacalyn Duffin (School of Medicine) commented on cbc.ca about drug shortages in Calgary. She estimates there are between 500 and 700 drugs in short supply in Canada at any given time.

Robert Wolfe (Policy Studies) was interviewed by cbc.ca on a US-China trade war, and said there is a potential opening in the Chinese markets for some Canadian exporting firms.

Theodore Christou (History, Education) discusses the suppression of Byzantine history in The Greek Reporter.

John Holmes (Geography and Planning) says any privacy concerns would need to be overcome for autonomous vehicles and projects such as Sidewalk Toronto to catch on, in Automotive News Canada.

Lisa Kerr (Law) appeared on the



Canadaland podcast to discuss conditions and consequences of solitary confinement use in Canadian prisons.

TELEVISION

David Murakami Wood (Sociology) discusses Canada's privacy commissioner launching an investigation into Facebook on Zoomer Radio; he also appeared on CKNW's The Simi Sara Show.

Laura Murray (English Language and Literature) was interviewed by TVO and said she is encouraged by what she sees as a "demographic shift" in attitude towards Sir John A. Macdonald and Canada's colonial history.

Robert Wolfe (School of Policy Studies) spoke to CTV National Network News regarding President Donald Trump's claim about Canada's trade deficit with the United States.

Arthur McDonald (Physics, Engineering Physics and Astronomy) was interviewed by CKWS TV and Sudbury.com about Stephen Hawking's legacy.



RADIO

Art McDonald (Physics) commented on Ontario Today on the passing of Stephen Hawking.

MAGAZINE

Heather Stuart (School of Medicine, Psychiatry, Public Health Sciences, School of Rehabilitation Therapy) says in Maclean's Magazine that we're socialized to view mental illnesses differently than physical illnesses.

Donald Stuart (Law) says in The Lawyer's Daily that Supreme Court of Canada rulings on appeal-as-of-right cases are being increasingly delivered in a shoddy, disengaged way.

Beverley Baines (Law) discusses the legal issues around the Blackmore polygamy case in Canadian Bar National Magazine and The Lawyer's Daily.

Andrew Bretz (English Language and Literature) commented in Flare Magazine on the production of a new, all-female production of Shakespeare.



Creating new and lasting Royal connections

BY COMMUNICATION STAFF

For academics in the arts, humanities, social sciences, natural sciences, and engineering, being elected to the Royal Society of Canada (RSC) is one of the highest honours they can achieve.

Continuing an annual tradition, Queen's University is once again hosting the Eastern Ontario Regional Seminar of the Royal Society of Canada on Saturday, April 14.

The seminar is an opportunity to hear interesting talks from a range of disciplines and to meet Fellows and Members of the College of New Scholars, Artists and Scientists elected to the Royal Society of Canada from Queen's and around Eastern Ontario.

This year's bill offers speakers from Queen's and the Royal Military College of Canada presenting on a range of topics.

The schedule of presentation includes:

- 10 am: Peter Milliken, School of Policy Studies – The Role of the

Speaker of the House of Commons

- 11 am: Stéphanie Bélanger, Canadian Institute for Military and Veteran Health Research, Royal Military College – War Trauma, Culture of War and Soldier Identity

- 1 pm: Anne Croy, Department of Biomedical and Molecular Sciences – Immunological Enigmas of Pregnancy

- 2 pm: Craig Walker, Dan School of Drama and Music – Evolution as Dramatic Metaphor at the Second Millennium

This event is the first under the guidance of co-chairs John Burge (Dan School of Drama and Music), a Fellow of the RSC, and Amir Fam (Civil Engineering), a Member of the College of New Scholars, Artists and Scientists, who have taken up the reins from Professor Emeritus Pierre du Prey (Art History) and Professor Emeritus Mike Sayer (Physics, Engineering Physics and Astronomy).

"For 12 years the Eastern Ontario Regional Seminar has

brought together leading researchers and community members to foster fascinating discussions and lasting connections," says Dr Burge. "This tradition, started by Dr. Du Prey and Dr. Sayer, will continue to highlight some of the great research being done at Queen's and around Eastern Ontario."

"Our presenters will be speaking on an array of interesting topics, from performing arts and molecular science to the health of military members and an inside view of Parliament from Canada's longest-serving Speaker of the House," adds Dr. Fam.

All events take place at the Queen's University Club (168 Stuart St.) and talks are open and free to the public. Following the first two presentations a luncheon is being hosted by Principal Daniel Woolf.

Registration is required for the luncheon, which costs \$30. RSVP by contacting Jessica Youles (jessica.youles@queensu.ca or 613-533-6000 x78797).



Presenting at this year's Eastern Ontario Regional Seminar of the Royal Society of Canada are, clockwise from top left: Anne Croy; Peter Milliken; Stephanie Belanger; and Craig Walker.

Introducing new faculty members: Anne Duffy

Anne Duffy (Psychiatry) is a new member of the Faculty of Health Sciences and Student Wellness Services

This profile is part of a series highlighting some of the new faculty members who have recently joined the Queen's community as part of the principal's faculty renewal plans, which will see 200 new faculty members hired over the next five years.

BY PHIL GAUDREAU, SENIOR COMMUNICATIONS OFFICER

Anne Duffy (Psychiatry) sat down with the *Gazette* to talk about her experience so far. Dr. Duffy is a clinician-researcher who is funded by the Canadian Institutes of Health Research (CIHR) to continue a two-decades-long study of young people at familial risk of developing mood disorders.

In addition to research, she sees students in psychiatry consultation at Student Wellness Services and helps with some of the clinical teaching for undergraduate medical students and psychiatry residents (graduate level and specialty level). Dr. Duffy is also the current vice president of research for the International Society of Bipolar Disorders.

What made you decide to make the move to Kingston?

I have had a two decades-long research project with families living between Ottawa and Toronto. Queen's is geographically well-suited to support this study and the Department of Psychiatry has provided protected time for me to dedicate to this work. With these advantages, I can consolidate my effort with these families and really move this world-renowned research forward.

In addition, Queen's Faculty of Health Sciences and Department of Psychiatry have made student mental health a priority. I am well-placed to help advance research and best practice to improve the health and academic outcomes for students. So, I thought the position at Queen's was a good fit and an exciting opportunity.

Tell us about this two-decades-long research project.

During residency training in Ottawa, in my research elective, I worked with faculty in the Department of Psychiatry who were conducting genetic studies in families trying to identify the genetic underpinnings of recurrent major depression and bipolar disorder.

Genetic studies were focused on adults who had already progressed through the risk period. Yet, as a training adolescent psy-



Anne Duffy (Psychiatry) is a new member of the Faculty of Health Sciences. When she is doing her clinical work, Dr. Duffy shares an office in the Student Wellness Services building.

chiatrist, my interest was in describing the early developmental course and onset of illness. Questions arose in my mind including: Are there any early antecedents and precursors we could pick up before the full-blown illness develops?

This was the start of the Canadian 'high-risk study' – a first in the field for research of children of bipolar parents. Bipolar disorder is a highly-heritable form of recurrent mood disorder with a high suicide risk.

When the study started, 22 years ago, I thought I would be staying in Ottawa for a year or two and then head back out west, where I completed medical school. I ended up staying and developing the research further as it was so fascinating and informative.

The project has been a huge success in terms of offering a collaborative multidisciplinary training platform for new, young researchers and graduate students. As a physician, the research has taught us a lot about how to recognize these illnesses earlier on.

It has also generated a whole other set of research questions. So, we have just been funded again for an additional five years of peer-reviewed, competitive funding.

We are still interested in looking at epigenetic markers – which is the idea that we are born with our genes, and the function of our

genes changes over time and with exposure. We are also working with people in public health, epidemiology, and mathematics to do modelling work so we can mitigate and target the risk exposures in these at-risk kids.

I regularly go abroad to talk about this Canadian grassroots study. It has been really well-received and addressed a number of unknowns and controversies in the field.

So what's the next step?

I have just led a successful CIHR Strategy for Patient-Oriented Research grant – the first of its kind to my knowledge in student mental health at Queen's. It involves a number of faculty and trainees across departments including Psychology, Public Health Sciences, and Student Wellness Services. The grant received matching funds from the Rossy Family Foundation, and it will be conducted in collaboration with my colleagues in the Department of Psychiatry at Oxford University.

This study will examine how we can support students to be academically successful, while also establishing a healthy lifestyle and maintaining their mental health. We are looking to answer why some first-year students flourish while others do not – that's a huge question. I have spent two decades looking at risk for illness – now I am moving into resiliency, risk

mitigation, and student health.

What got you interested in the topic of mental health in children? In youth?

I had applied to train in pediatrics as a specialist originally, but I was terrible in my pediatrics rotations because I was an asthmatic and always getting sick, which would exacerbate my breathing troubles. Yet, being an asthmatic is what originally got me interested in medicine in the first place.

I also found it difficult to do procedures on children – like stitching them up or cutting them open. What I was good at, however, was talking with children and families, so I decided to go into adolescent psychiatry.

Very little was known at the time about the early signs and symptoms of psychiatric illness in children, and so it was a wide-open field for clinical research. It

was a perfect marriage of interest, opportunity, and skill set.

To me, adolescence is the most interesting period of time in development. There is so much changing at such a rapid rate. Plus, if you can get in there and help young people, you set them on a trajectory for lifelong happiness and success.

What do you find most rewarding about your work?

I love helping people. That is why you get into helping professions. Even if I am tired, I am happy to be here because a student is going to come through the door who is distressed, and I can potentially make a difference for that student.

I also have the opportunity to train and mentor fantastic students. Graduate students across disciplines are so stimulating and make the work so much better than it would be if I was doing it on my own. It's a huge privilege to be practicing medicine and to be in part of the university campus. I have always been incredibly grateful for that opportunity.

Anything you hope to see and do in and around Kingston this summer?

I am getting a fat tire bike this summer to do some more cycling around town with the family. I am a spin class addict. I love cardio – it's a great stress reliever, helps with mood and well-being and reduces many health risks.

My son is in his first year in the arts program at Queen's. He is also a newly-recruited kicker and punter for the Gaels men's football team and he loves the training and conditioning program.

My daughter recently graduated with a Master of Arts in English and is applying to Queen's Law School. My husband is a past Queen's student and supports us all in our individual pursuits – especially in striking a good work-life balance. So it seems Queen's is central to our family life.

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Recognizing student leadership

Students receive awards for peer and community leadership, and commitment to equity and diversity

BY COMMUNICATIONS STAFF

Queen's students demonstrate leadership in many ways across campus and in the local community. Each spring, the Division of Student Affairs recognizes leadership excellence with a suite of awards that has been expanded this year to include contributions that specifically promote equity, diversity, and inclusion.

Students who work and volunteer across the division were joined by staff, faculty, and Kingston community members at a reception on Wednesday, March 21 to celebrate the important role that students play in fostering a supportive and inclusive campus and community.

Six individuals and one group were honoured with Peer Leadership Awards, Brian Yealland Community Leadership Awards, and the new Equity, Diversity and Inclusion Impact Awards.

"This year's award recipients are undergraduate and graduate students whose contributions have strengthened our community in many significant ways," says Vice-Provost and Dean of Student Affairs Ann Tierney. "We are delighted to highlight their initiative and accomplishments, as part of our annual leadership program. Congratulations to them, and thank you to all students who are involved in the delivery of programs and services on campus and in the Kingston community."

The division's Peer Leadership Award is presented to students who, through their commitment, skill, dedication, and interest in helping others, have exemplified excellence in peer-to-peer assistance and outreach. The 2017-18 award recipients are:

Atul Jaiswal (PhD candidate, RHBS) volunteers at the Queen's University International Centre (QUIC) where he has created and delivered several peer-led transition support programs and workshops to support an effective social and academic transition for



Each spring, the Division of Student Affairs recognizes leadership excellence with a suite of awards. Six individuals and one group were honoured with Peer Leadership Awards, Brian Yealland Community Leadership Awards, and the new Equity, Diversity and Inclusion Impact Awards.

international and racialized graduate students, and has raised awareness about the work opportunities on campus. He goes out of his way to engage with his peers, and provides leadership, advocacy, and support through his work at QUIC, and with the Society for Graduate and Professional Students and the School of Graduate Studies.

Jennifer Williams (Artsci'16, MSc'18) Kinesiology and Health Studies) has been involved as a Peer Health Educator (PHE) in Student Wellness Services for the past five years, and has provided mentorship for the newly-created PHE program at the Bader International Student Centre in England. She was also instrumental in the creation of the annual Majors Night event for first-year Faculty

of Arts and Science students, and has worked as a campus tour guide; she has held positions with the Alma Mater Society, and is currently serving as Speaker for the Society of Graduate and Professional Students.

Sexual Violence Bystander Intervention Trainers: Lea Keren, Nicolas Agius, Ally Bilenkey, Mackenzie Crawford, Cisca Rolleston Fuentes, Charlotte Johnston, Nadia Mahdi, Ramna Safeer, Frannie Sobcov, Dave Walker, Landon Wilcock, Cam Yung. This team of undergraduate and graduate students deliver a program that is one of a few of its kind in Canada. Using an intersectional, community-based approach, the training gives students tools to help them recognize and respond to sexual violence. Team members lead 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 also explores the convergence of sexual violence with race, gender, and sexuality. Over the past year, these students have trained thousands of peers and student leaders. They are also involved in the campus community through student clubs, student governments, residence life, orien-

tation and other sexual violence-related work.

Named in honour of Brian Yealland, Queen's chaplain for 32 years, the Brian Yealland Community Leadership Award is presented to students who work with and encourage youth who are experiencing social, behavioral, economic or other challenges by helping them realize their worth as individuals and their potential to achieve. The 2017-18 award recipients are:

Kennedy Everitt (Artsci'18) In her weekly role as a volunteer with Immigrant Services Kingston and Area's Multicultural Youth Group, Ms. Everitt always meets the youth "where they are at," quickly building a strong rapport. Many are described as attending the program each week specifically to see her. Although her main role is to help with homework, and language and life skills, she helps with anything that's needed: cooking a healthy meal, playing sports, and simply connecting with these young people.

Emilio Frometa (Artsci'17, MIR'18) is the founder and executive director of Queen's Autism Mentorship Program, which pairs varsity athletes with local youth with Autism Spectrum Disorder. Built from his one-on-one experi-

ence with a local youth, the program has already paired over 40 student-athletes with 80 youth, and it continues to grow. The student-athletes and youth spend about three hours together per week playing sports or other activities, and doing school work. The program facilitates friendships and relationships that help the youth develop social and motor skills, and it gives the student athletes the opportunity to act as a role model on and off the field of play. The program also brings the youth to varsity games to expose them to campus and the Gaels community.

The division's new Equity, Diversity, Inclusion Impact Award recognizes individuals or groups who have demonstrated involvement in, and a commitment to, social justice causes that impact the Queen's community on a broad or small scale; their contributions reflect efforts to furthering an understanding of the interplay and intersections among different identities on campus. The 2017-18 recipients are:

Aniqa Mazumder (Artsci'18) has demonstrated an exceptional commitment to making Queen's a more equitable space. She has been involved with multiple groups and initiatives, including the Queen's Coalition Against Racial and Ethnic Discrimination, the Principal's Implementation Committee on Racism, Diversity and Inclusion, and OPIRG Kingston; she was the Arts and Science Undergraduate Society (ASUS) Equity Commission intern in her first year at Queen's, and has since served as co-chair of the ASUS Social Justice Committee, and as AMS deputy social issues commissioner. She recognizes that equity and anti-racism work is a continuous process, and has built partnerships and networks to strengthen social justice activism at Queen's.

Xin Sun (Artsci'18) is dedicated to helping to build a more open and inclusive culture at Queen's. She has been candid about her challenges with feelings and incidents of alienation and exclusion, and puts her personal experiences as a student living with a disability at the centre of her advocacy. She volunteers both with the Ban Righ Centre and the Canadian National Institute for the Blind and takes every opportunity – from making a tactile dress to writing a book review – to raise awareness across the Queen's community about the lives of students with disabilities.

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Principal search enters new phase

BY COMMUNICATIONS STAFF

The search for a new principal for Queen's University is now underway, with an executive search firm in place to facilitate the recruitment process.

Consultations with key internal and external stakeholders, including senior administrators, Board of Trustee members and alumni, are currently underway by the search firm Perrett Laver. As part of this process, members of the Queen's community are also invited to share their thoughts on the search via a short public survey on the University Secretariat's

website (queensu.ca/secretariat/).

"This is a great opportunity for people who are passionate about Queen's to share their perspectives on the principalship and the overall future of the university," says Chancellor Jim Leech. "We will use the feedback gathered to help ensure we are attracting strong candidates who are ready to build on our many successes and to meet the priorities identified in the university's strategic framework."

The search for a new principal began in January. Principal Daniel Woolf's current term is scheduled to conclude on June 30, 2019.

The Joint Board-Senate Principal Search Committee is aiming to identify a first group of interviewees in the summer, and it anticipates interviews will take place in September and October. The committee will then work toward recommending a candidate to the Board of Trustees in December.

To learn more about the search process, the committee membership, or to take the survey, visit the Joint Board-Senate Principal Search Committee page (queensu.ca/secretariat/board-trustees/committees/joint-board-senate-principalship) on the University Secretariat's website.



Through the CEOx1Day program, Vanessa Lin (Com'19) spent a day of learning with Purolator CEO John Ferguson as well as other company executives.

Commerce student becomes CEO for a day

BY ANDREW CARROLL,
GAZETTE EDITOR

When Vanessa Lin (Com'19) was selected to take part in the CEOx1Day program, she knew she was in for a unique experience.

What she didn't know was how much access she would be given to Purolator President and Chief Executive Officer John Ferguson.

As a result of the in-person connection, Ms. Lin gained valuable insight into what it takes to lead a Canadian company with more than 10,000 employees.

Run by talent management firm Odgers Berndtson, CEOx1Day connects students with industry leaders for in-person learning opportunities.

When she heard about the program, Ms. Lin knew she had to apply.

"I was drawn to it because it is such a unique opportunity," she says. "When else would you get the chance to learn from someone

with such a high-level scope? It's a once-in-a-lifetime opportunity to see that kind of role firsthand."

After applying online Ms. Lin underwent a rigorous, multi-stage assessment and interview process. In the end she was one of 18 post-secondary students from across Canada selected for the job-shadowing program.

Ms. Lin arrived at Purolator on Friday, Feb. 23 and started her day with a tour of the massive shipping facility in Mississauga. Throughout the day she met with a number of executives, including Mr. Ferguson, learning about the company and their roles.

What impressed Ms. Lin the most was the opportunity to observe Mr. Ferguson's leadership style through a series of meetings, including a straight-talk session with employees.

"He takes a very collaborative approach," Ms. Lin says. "Even though he leads, he also really values everyone else's contributions. You can tell he really embodies di-

versity characteristics and understands that a team is better when there is diversity and everyone works together. Seeing that and then seeing how transparent he is with people in all positions throughout the company – that consistent approach really resonated with me. That is the kind of leader I want to be as well."

In her third year of studies at Smith School of Business, Ms. Lin is busy outside the classroom through extra-curricular activities and also volunteers in the Kingston community with Girls Inc. and the Algonquin and Lakeshore District School Board. This fall semester she completed a study exchange at the University of Economics, Prague.

Looking to her own career path there is no definite end goal, she says, but she is clear on her approach.

"I will be working hard and doing something I love," she says. "It's about making an impact wherever that turns out to be."

through the lens



UNIVERSITY COMMUNICATIONS

Recently, Queen's Schulich Leaders had the opportunity to speak with Benoit-Antoine Bacon, Provost and Vice-Principal (Academic), through a breakfast meeting at Richardson Hall. During the meeting, students spoke about how the nationally-competitive scholarships have enabled them to pursue their preferred areas of studies at Queen's as well as their experiences as recipients of the prestigious awards. They also had the opportunity to find out more about the provost and what his role as a senior administrator entails.



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through the lens



UNIVERSITY COMMUNICATIONS

John Fisher, Vice-Principal (Research) and Barbara Crow, Dean of the Faculty of Arts and Science, speak with Laura Cameron, a professor in the Department of Geography and Planning and Jan Allen, Director of the Agnes Etherington Art Centre, during the Queen's University Faculty Author Reception hosted by Principal Daniel Woolf in Richardson Hall. The event recognizes faculty members who have recently been published. Several tables were set up to display the works.



onQ is getting a facelift

Daylight upgrade will enhance enterprise learning management system

BY COMMUNICATIONS STAFF

If you're a student, faculty, or staff member at Queen's, you are likely familiar with the university's enterprise learning management system, onQ. On May 1, onQ will receive an upgrade, called Daylight, that enhances the look and feel of the platform.

Daylight will change how onQ appears when you log in, but not how the platform works. It provides a cleaner interface, with new fonts and updated icons, providing a sleeker and more modern look. The upgrade to Daylight will make it easier to stay connected to onQ and access the system from anywhere – be it via your smartphone, tablet, laptop, or desktop.

"We are excited to offer our instructors and students a cleaner, more polished look for onQ," says Jill Scott, Vice-Provost (Teaching and Learning). "Queen's move to Daylight, an updated look and feel for onQ, provides our students with a more engaging and



Daylight will change how onQ appears when you log in, with a cleaner interface utilizing new fonts and updated icons, but not how the platform works.

accessible learning experience while maintaining consistency in functionality. The new responsive design will allow users to move seamlessly from desktop to laptop to mobile devices – this is a huge win for both instructors and students."

The onQ Support site (queensu.ca/onqsupport) will be updated with relevant documentation about the upgrade. Ahead of the launch, showcase sessions

will take place in April for those interested in seeing the enhancements being made to onQ first-hand. Details including dates, times and location will be added to the onQ Support site, once confirmed.

If you have any questions regarding the upgrade to Daylight, reach out to the onQ team by submitting a ticket through the ITSC Help Form (queensu.ca/its/forms/itsc/helpform/).

Advancing Queen's in the digital world

Campus-wide digital planning is ramping up and community input is needed

BY COMMUNICATIONS STAFF

Digital technology is reshaping many aspects of society, including higher education and research. Queen's University is considering how digitalization can best support its mission of teaching, learning, research, and knowledge-sharing, and looking for community input on how to do it.

Digital planning looks at the university's vision for its core missions through a digital lens. Queen's is developing the first phase of a comprehensive digital strategy, in a process initiated by Benoit-Antoine Bacon, Provost and Vice-Principal (Academic), and Donna Janiec, Vice-Principal (Finance and Administration).

The Digital Planning Project Group, co-chaired by Martha Whitehead, Vice-Provost (Digital Planning) and University Librarian, and Jennifer Doyle, Associate Vice-Principal (Information Technology) and Chief Information Officer, is facilitating engagement with the Queen's community in this planning.

In late March and early April, a series of discussion groups will be held to hear from the campus

community about the ways changes in digital technology affect universities globally, and specifically impact work here at Queen's. Groups will also discuss what principles should guide Queen's in developing an institutional digital strategy, the processes we should undertake in the development of the strategy, and where attention and emphasis should be directed first.

The first phase aims to stimulate conversations across campus about the principles, processes, and priorities that should frame Queen's digital strategy. Later phases will develop strategic priorities to support the digital learning ecosystem and digital research infrastructure, as well as enable other infrastructures such as administrative systems.

Queen's digital planning recognizes that one of the university's key strengths is its strong sense of community and its close alignment and collaboration with Kingston, regional and national partners, and the international community.

"This is a journey we've been on for some time and the task at hand now is to capitalize on the enormous opportunities from the

digital world and to ensure we have a clear view of where we want to go next," says John Fisher, Interim Vice-Principal (Research) and a member of the planning group. "These discussions are critical, as Queen's future research successes are intimately linked to how effectively we plan for the future of digitalization."

The development of the strategy will be built on Queen's current digital strengths.

"This is about enhancing human interactions and experiences," says Barbara Crow, Dean of Arts and Science and another member of the planning team. "We have enormous opportunities at Queen's to be leaders in shaping the digital society."

All members of the Queen's community are invited to contribute their thoughts in this conversation and shape the future of Queen's.

For more information on digital planning at Queen's University, including updates on the discussion groups, visit www.queensu.ca/strategicplanning/digital or contact the planning group at digital.planning@queensu.ca.



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Many adults with autism struggle with depression

New research reveals that the highest rates of depression are seen in individuals with autism who have above average intelligence

This article was originally published on *The Conversation*. Read the original article at theconversation.ca.



BY KATE HARKNESS
(PSYCHOLOGY, PSYCHIATRY)
AND CHLOE C. HUDSON

Nearly half of adults with autism will experience clinical depression in their lifetime, according to our new research published in the *Journal of Abnormal Child Psychology*.

Depression can have devastating consequences for individuals with autism, including a loss of previously learned skills, greater difficulty carrying out everyday tasks, and at worst, suicide. People with autism should be regularly screened for depression so that they can access appropriate treatment.

Autism is a disorder that involves difficulties with social interactions and restricted repetitive patterns of behaviours. Autism also raises risk for severe mental illness.

Until now, researchers and clinicians did not know how many individuals with autism were affected by depression.

Our study, which involved a systematic review of nearly 8,000 research articles, now reveals clear evidence that depression is highly prevalent in both children and adults with autism.

It also reveals that depression is more common in individuals with autism who have higher intelligence.



A new study reveals that depression is more commonly diagnosed when clinicians ask the person with autism directly about their symptoms, rather than asking a caregiver.

Symptoms of depression and autism

Clinical depression is defined in the *Diagnostic and Statistical Manual of Mental Disorders* by a longstanding pattern of negative mood.

Additional symptoms include loss of interest in activities, physiological changes (e.g. sleep, appetite, or energy disturbance), cognitive changes (e.g. feelings of worthlessness, difficulties with attention) and suicidal thoughts or actions.

In the general population, clinical depression is the leading cause of disability worldwide.

Depression in autism is defined by these same criteria, but the symptoms can be challenging to detect.

Individuals with autism often have trouble identifying and communicating their feelings.

Clinicians may have to rely on observed behaviour changes, or the reports of others close to the individual to make a diagnosis.

Clinicians also have to be particularly careful that they do not confuse the symptoms of depression with the symptoms of autism. For example, people with autism and people with depression have difficulties with social relationships.

The key difference between these groups is why they experience these problems.

People with autism often lack the social skills necessary to engage with others. In contrast, people with depression often withdraw from others because they lose the ability to find pleasure in their social interactions.

Higher IQ, higher rates of depression

We found that the highest rates of depression are seen in individuals with autism who have above average intelligence.

This finding is in contrast to the general population, where lower intelligence is associated with higher rates of depression.

While this study did not look into why higher intelligence was associated with higher depression rates in autism, we can make some guesses.

On the one hand, it could be that individuals with autism who have above average intelligence are more aware of the social difficulties associated with their autism diagnosis, and this awareness leads to higher rates of depression.

On the other hand, it could be

that individuals with below average intelligence have difficulties communicating their symptoms, making it difficult to diagnose depression in this subgroup.

The impact of research methods

We also learned that how studies assessed depression influenced the rates of depression. Rates were highest among studies that used standardized structured interviews to assess depression, compared to studies that used less formal assessment methods.

It is possible that structured interviews may be picking up on symptoms that other assessment methods are missing. At the same time, structured interviews may bias the prevalence of depression because these interviews were not designed for people with autism.

Depression is also more common when clinicians ask the person with autism directly about their symptoms, rather than asking a caregiver.

It is possible that individuals with autism are experiencing depressive symptoms that their caregivers are missing. It is also possible that studies used a caregiver when participants were not able to report on their own symptoms (for example because of low intelligence).

Depression is more widespread in people with autism than we previously thought.

This important research will hopefully prompt clinicians to include an assessment of depression in their routine clinical practice with people with autism. This assessment will ensure that people with autism are receiving appropriate treatment.

Kate Harkness is Professor of Psychology and Psychiatry and Director of the Mood Research Laboratory at Queen's University. Chloe C. Hudson is a PhD student at Queen's.

grad studies

THESIS DEFENCES

Thursday, April 5

Leila Mazaheri, Physics, Engineering Physics and Astronomy, 'Self-Organization and Light-Induced Chirality in Azo-Glass Material'. Supervisor: J.M. Nunzi, 201 Stirling Hall, 9 am.

Thursday, April 5

Ahmed Abdel Razek, Civil Engineering, 'Hydraulic Performance of Geosynthetic Clay Liners in Containment of Brine and Landfill Applications'. Supervisor: R.K. Rowe, 212 Ellis Hall, 1:30 pm.

Friday, April 6

Robyn Ruth Saaltink, Sociology,

'Passports to Adulthood, Strong Families and Good Mothers: A Critical Examination of Developmental Disability Discourse in Ontario Between 2008-2014'. Supervisor: A.J. Burfoot, D120 Mac-Corry Hall, 1 pm.

Thursday, April 12

Md Abu Affan, Chemistry, 'Catalytic Formylation of Amines With CO₂ and H₂ Using Complexes of Abundant Metals'. Supervisor: P.G. Jessop, 515 Chernoff Hall, 1:30 pm.

Monday, April 16

Ian Alexander Gilchrist, Rehabilitation Science, 'Characterization of the

Multidirectional Strength of the Neck and of the Neuromuscular Coordination of the Superficial Neck Muscles'. Supervisor: L. Pelland, 008 Louise D. Acton Bldg., 9 am.

Tuesday, April 17

Francois Seguin, Mathematics & Statistics, 'The Two-Variable Artin Conjecture and Elliptic Analogues'. Supervisor: M.R. Murty, 521 Jeffrey Hall, 9:30 am.

Wednesday, April 18

Meaghan Whitehead, Art History, 'Humour and Humilitas: Wall Painting in the Palaces and Castles of Henry III

of England (r: 1216-1272)'. Supervisor: M. Reeve, 321 Ontario Hall (WRMMR), 12:30 pm.

Thursday, April 19

Yun Liu, History, 'Launching Environmental Protection Policies in Hubei, China, 1970 to 1990'. Supervisor: E.M. Hill, 122 Watson Hall, 2 pm.

Thursday, April 26

Pooyan Changizian, Mechanical and Materials Engineering, 'Radiation Damage Effect on Mechanical Properties and Microstructure of X-750 Ni-based Superalloy'. Supervisor: Z. Yao, 227 Nicol Hall, 2 pm.

Friday, April 27

Seyed Saeed Hashemi, Civil Engineering, 'Examining the Energy Performance of Water Main Assets in Water Distribution Systems'. Supervisors: Y. Filion; V. Speight, 212 Ellis Hall, 10 am.

Monday, April 30

Laura Schaeffli, Geography and Planning, 'Exposing the Colonial Mind: Epistemologies of Ignorance and Education in Ontario, Canada'. Supervisor: A. Godlewski, E314 Mac-Corry Hall, 1:30 pm.

Gaels give their all at women's hockey, men's volleyball nationals

BY COMMUNICATIONS STAFF

The Queen's Gaels women's hockey team and men's volleyball team both competed at the U SPORTS national championships March 16-18, thanks to their OUA silver-medal winning performances.

WOMEN'S HOCKEY

Addi Halladay scored a late power play goal but an overtime St. Francis Xavier tally gave the X-Women a 4-3 win over the Queen's Gaels in the consolation semifinals on Saturday at the U SPORTS Women's Hockey Championship in London.

Clare McKellar and Katarina Manoukarakis also scored for the Gaels and Stephanie Pascal put forth an incredible 43-save effort.

The Gaels lost their opening game on Friday the Manitoba Bisons 4-0.

StFX came out strong in the opening period, outshooting Queen's 12-4, and getting on the board in the 12th minute. McKel-



UNIVERSITY COMMUNICATIONS

The Queen's Gaels competed at the U SPORTS Women's Hockey Championship in London, March 16-18. After earning a silver at the OUA championships, the Gaels lost both games to Manitoba and St. Francis Xavier.

lar tied it up just a minute into the second period following up a break by Halladay. The teams exchanged goals over the next

three minutes to make it 2-2.

The X-Women regained control early in the third, outshooting the Gaels 11-0 over the first

five minutes, however Pascal kept the scoreboard even at 2-2. But with seven minutes left the X-Women broke through, scoring off a faceoff.

Fittingly enough, given the pace of the game, the Gaels responded in short order, as Halladay tied the game at 3-3 just over three minutes later to set the stage for an exciting finish. It wouldn't take long to decide a winner, with Daley Oddy scoring at 2:37 of the extra frame to secure a 4-3 win for the X-Women.

The Manitoba Bisons won the title.

MEN'S VOLLEYBALL

The Queen's Gaels dropped their second hard-fought match in two days falling in straight sets 24-26, 28-30, 18-25 to the Atlantic University Sport (AUS) champion UNB Varsity Reds in the consolation semifinal at the U SPORTS Men's Volleyball Championship in Hamilton.

The match brought head coach Brenda Willis amazing ca-

reer to an end. A five-time OUA Coach of the Year, Willis leaves Queen's after 31 years as head coach and five OUA titles. Her all-time record with the Gaels ends at 367-196 (.651).

Zac Hutcheson took home Player of the Match honours for the Gaels after finishing with 13 kills while adding an ace and a block assist.

Evenly matched from the afternoon's opening serve, there was little to choose between the Varsity Reds and Gaels in the first two sets, but UNB were able to find the edge each time. In the third set, the Gaels were slow out of the blocks and the Reds took advantage.

On Friday the Gaels pushed the second-seeded Alberta Golden Bears to four sets 19-25, 19-25, 25-19 23-25.

Markus Trence had a massive game with 20 kills and an ace as well as five blocks.

The University of British Columbia claimed the championship.



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human resources

Job postings

Full details regarding job postings can be found at queensu.ca/humanresources/careers.

■ **Competition Number:** J0318-0649
Position Title: Assistant Director, Institutional Research and Planning
Department: Office of Institutional Research and Planning
Grade: 11

Job Type: Permanent (Continuing)
Closing Date: April 8, 2018

■ **Competition Number:** J0318-0604
Position Title: Technical Director (Arts)
Department: IBCPA
Salary: \$58,454/Year
Grade: 8

Job Type: Permanent (Continuing)
Closing Date: April 11, 2018

■ **Competition Number:** J0318-0408
Position Title: Research Coordinator
Department: Medicine
Salary: \$45,458/Year
Grade: 6

Job Type: Term - Until Feb. 28, 2019
Closing Date: April 11, 2018

■ **Competition Number:** J0218-1111
Position Title: Energy Engineer
Department: Utilities-Central
Salary: \$62,145/Year
Grade: 9

Job Type: Permanent (Continuing)
Closing Date: April 11, 2018

■ **Competition Number:** J0118-1040
Position Title: Career Coach
Department: Smith BCC Admin
Salary: \$62,145/Year
Grade: 9

Job Type: Term - 18 months
Closing Date: April 13, 2018

■ **Competition Number:** J0118-0862
Position Title: Cancer Research Monitor/Auditor
Dept: Canadian Cancer Trials Group
Salary: \$58,454/Year
Grade: 8

Job Type: Term - 1 Year
Closing Date: April 15, 2018

Successful Candidates

■ **Job Title:** Administrative Assistant (Research and Graduate Studies)
Department: Faculty of Engineering and Applied Science
Competition: J1017-0307

Successful Candidate: Jessica Youles

■ **Job Title:** Administrative Assistant/Communications Coordinator
Department: SEAMO Office, Faculty of Health Sciences
Competition: J1217-0205

Successful Candidate: Kathleen McGrath

■ **Job Title:** Staffing Assistant
Department: Faculty Office, Faculty of Health Science
Competition: J1217-0631

Successful Candidate: Lindsay Davidson

■ **Job Title:** Clinic Clerk
Department: Department of Family Medicine
Competition: J0118-1149

Successful Candidate: Kendra Biggs (Family Medicine)

■ **Job Title:** Office Assistant
Department: Department of French Studies
Competition: J0118-0855

Successful Candidate: Julie Viau

■ **Job Title:** Coordinator, Research Activities and Communications
Department: Office of Vice-Principal (Research)
Competition: J117-0632

Successful Candidate: Jennifer Chen

■ **Job Title:** Information Technology Systems Administrator
Department: Family Medicine
Competition: J1117-0379

Successful Candidate: Terry Black (ITS Infrastructure Services)

■ **Job Title:** Financial Reporting Officer
Department: Financial Services
Competition: J1117-1168

Successful Candidate: Anum Rizvi

■ **Job Title:** Budget and Financial Officer
Department: Student Affairs
Competition: J0118-0413

Successful Candidate: Nathalie Brown

■ **Job Title:** ECEi Experience Coordinator
Department: Electrical & Computing Engineering
Competition: J1117-0255

Successful Candidate: Alisa Darbinyan

for the record

COMMITTEES

Advisory Search Committee — Assistant Dean, Distributed Medical Education

Dr. Phillip D. Wattam's term as Assistant Dean, Distributed Medical Education will end on June 30, 2018. An Advisory Search Committee has been established to provide advice on the leadership and the present state and future prospects of Distributed Medical Education.

The composition of the committee is as follows:

- Dr. Leslie Flynn (Chair), Vice-Dean, Education, Faculty of Health Sciences
- Kris Bowes, Regional Education Manager, School of Medicine
- Dr. Rylan Egan, Director OHSE Office of Health Sciences Education, Faculty of Health Sciences
- Dr. Michael Green, Head, Department of Family Medicine, Community and Epidemiology
- Dr. Karen Grewal, Assistant Professor, Department of Pediatrics, Faculty of Health Sciences
- Dr. Ioulia Pronina, Resident, Department of Family Medicine
- Dr. Tony Sanfilippo, Associate Dean, Undergraduate Medical Education, Faculty of Health Sciences
- Dr. David Taylor, Director, Core Internal Medicine Program, Department of Medicine
- Dr. Richard van Wylick, Chair, CBME Faculty Development Committee and Director, Faculty Development, Faculty of Health Sciences
- Dr. Ross Walker, Associate Dean, Postgraduate Medical Education, Faculty of Health Sciences
- Dr. Randy Wax, Regional Director of Clinical Education, Queen's University
- Christine Irving (Secretary), Senior Staffing Officer, Faculty of Health Sciences

Faculty, staff, students, residents and all other members of the hospital and university communities, are invited to submit their comments, in writing, on the present state and future prospects of Distributed Medical Education and to submit names of possible candidates for the position of assistant dean, Distributed Medical Education and the reasons for supporting each nominee. Written submissions are to be directed to the chair c/o Christine Irving, Faculty of Health Sciences, Macklem House, 18 Barrie St., Queen's University, Kingston, Ontario, K7L 3N6.

Electronic submissions can be forwarded to christine.irving@queensu.ca.

While submissions will be accepted throughout the search process, it will be advantageous for the committee to have them by April 20, 2018. Responses received will remain confidential and will be shared only with the members of the review committee. Anonymous submissions will not be considered.

Advisory Search Committee — Associate Dean, Continuing Professional Development

Dr. Karen Smith's term as Associate Dean, Continuing Professional Development will end on June 30, 2018. An Advisory Search Committee has been established to provide advice on the leadership and the present state and future prospects of Continuing Professional Development.

The composition of the committee is as follows:

- Dr. Leslie Flynn (Chair), Vice-Dean, Education, Faculty of Health Sciences
- Dr. Rylan Egan, Co-Director, Bachelor of Health Sciences, Assistant Professor, and Director OHSE Office of Health Sciences Education, Faculty of Health Sciences
- Dr. Marcia Finlayson, Vice-Dean, Health Sciences and Director, School of Rehabilitation Therapy
- Dr. Michael Green, Associate Professor, Department of Family Medicine, Community and Epidemiology
- Dr. Karen Grewal, Assistant Professor, Department of Pediatrics, Faculty of Health Sciences
- Kate Kittner, Office Manager, Continuing Faculty Development, Faculty of Health Sciences
- Dr. Jennifer Medves, Professor and Director, School of Nursing and Vice-Dean, Health Sciences
- Dr. Ioulia Pronina, Resident, Department of Family Medicine
- Dr. Tony Sanfilippo, Associate Dean, Undergraduate Medical Education, Faculty of Health Sciences
- Dr. David Taylor, Associate Professor, Director, Core Internal Medicine Program, Department of Medicine
- Dr. Ross Walker, Associate Dean,

Postgraduate Medical Education, Faculty of Health Sciences

• Dr. Randy Wax, Regional Director of Clinical Education, Queen's University

• Christine Irving (Secretary), Senior Staffing Officer, Faculty of Health Sciences

Faculty, staff, students, residents and all other members of the hospital and university communities, are invited to submit their comments, in writing, on the present state and future prospects of Continuing Professional Development, as well as the names of possible candidates for the position of associate dean, Continuing Professional Development and the reasons for supporting each nominee. Written submissions are to be directed to the chair c/o Christine Irving, Faculty of Health Sciences, Macklem House, 18 Barrie St., Queen's University, Kingston, Ontario, K7L 3N6. Electronic submissions can be forwarded to christine.irving@queensu.ca.

While submissions will be accepted throughout the search process, it will be advantageous for the committee to have them by April 20, 2018. Responses received will remain confidential and will be shared only with the members of the review committee. Anonymous submissions will not be considered.

AWARDS

Award for Excellence in Graduate Student Supervision

The School of Graduate Studies invites nominations for consideration for the 2018 Award for Excellence in Graduate Student Supervision. The purpose of this award is to recognize outstanding supervisors who demonstrate excellence in advising, monitoring and mentoring their graduate students. Two awards will be made: one in the Social Sciences and Humanities, and one in Life Sciences, Natural Sciences and Engineering. The guidelines, nomination form, and tips for preparing nomination packages is available through the online version of For The Record at queensu.ca/gazette/. Nomination packages should be submitted to the Dean, School of Graduate Studies, Gordon Hall 425, by 4 pm on Friday, May 25.

PUZZLE SOLUTIONS

NOSH PACO ARK ABOLISH
 ASTO OLAV SIE TMBIBER
 THERESAMIGHTY MORANIS
 OARSMEN LEANS VIM
 ECU ASU OAKIE BIG
 DIFFERENCEBETWEEN ASI
 AMILE RNA REESE EDAM
 SPRY GREMLIN NBATEAM
 HAM CSI SID FREELANCE
 ELEPHANT DELLA GEL
 DARLA GOODSOUND RIATA
 UNA RHYME TONTINES
 ERECTNESS AWL GPS GNP
 YOLKSAC WIELDER PEPE
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9	6	4	1	5	2	3	8	7
1	7	8	6	4	3	9	5	2
5	3	2	9	8	7	1	4	6

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Ask an astronaut

Queen's University hosts a NASA Education Downlink

Join us for an out-of-this-world event: a live video broadcast Q&A with NASA Astronaut Drew Feustel, PhD'95, from the International Space Station! Through NASA's Mission Control, we will link up with Drew on the ISS and chat about all things space.

Admission is free! Space is limited, so we recommend arriving early.

Dr. Feustel is serving as Flight Engineer of Expedition 55 and will take over as Commander of the ISS in June on Expedition 56.

This incredible space-themed event features talks by:

- ▶ Dr. Arthur McDonald, Nobel Laureate
- ▶ Dr. Michelle Thompson, Artsci'11, Sc'11, NASA Postdoctoral fellow and Planetary Scientist
- ▶ Dr. Nathalie Ouellette, MSc'12, PhD'16, Canadian Particle Astrophysics Research Centre
- ▶ Dr. Nandini Deshpande, School of Rehabilitation Therapy; Research Scholar, Johnson Space Center, NASA, Houston (2016)

The event will culminate with a live Q&A with Drew from space!*

If you cannot attend, stream the event live at: queensu.ca/research

Friday April 6, 2018 | 11 am – 12:30 pm | Grant Hall

*Questions and participants have been predetermined.

