It's been an interesting year for Caitlin Miron, PhD Candidate in the Petitjean research group. In November, Caitlin received the Canadian Mitacs Award for Outstanding Innovation at a PhD level. The award, given in recognition of research abroad in Bordeaux, France that was funded in part by the Mitacs Globalink program, kicked off a whirlwind of scientific outreach experiences that no one had anticipated – from media interviews and a TEDx talk, to speaking about the Queen's graduate student experience at the Joint Senate/Board of Trustees Retreat, to participating in a roundtable discussion on the importance of fundamental research with Prime Minister Justin Trudeau and Bill Nye (the Science Guy).

Caitlin entered the Petitjean group as a second-year undergraduate Biochemistry student in 2010, and... has yet to leave. In 2013, she continued research on self-assembling metallomacrocycles as a Master's student in the group, and was promoted into the PhD program in 2014. Funding through the NSERC Michael Smith Foreign Study Supplement, a Mitacs Globalink-Campus France grant, and the Queen's Graduate Dean's Travel Grant for Doctoral Field Research allowed her to pursue two research internships abroad under the supervision of Dr. Jean-Louis Mergny at the Institut Européen de Chimie et Biologie. It was here that she first identified a compound capable of strongly and selectively recognizing guanine quadruplexes, a group of unusual DNA and RNA architectures implicated in cancer development. The discovery inadvertently started a new research direction in the Petitjean group and led to the filing of a patent. Now nearing the end of the fourth year of her PhD, Caitlin is currently wrapping up research projects for publication and contemplating her options for postdoctoral research.
When I wrote this column last year I expected that my term as Interim Head would only be for one year and that the department would find a proper long-term administrator to steer our ship away from icebergs. To the surprise of many – including my own – my colleagues and student representatives decided to keep me in the job for the next few years. So, for better or worse, I will be representing the interests of the chemistry department and its students for the next few years.

Since I now have the mandate to look into the medium- and long-term future of the department, it was timely to devise a strategic plan. My colleagues and I spent a day asking ourselves what we are doing well and what we could do better. We then set priorities for the next five years. We consulted with Queen’s Chemistry Innovation Council members and with the many members of our department – including students, of course. The result of this exercise is a 20-page document that gives directions on how we could improve the undergraduate program, our graduate education, our research impact, and our infrastructure. The strategic plan is available on our website and is our most comprehensive roadmap, yet.

The rejuvenation of our faculty is one of our major goals over the next five years. Since we haven’t been successful at creating a youth elixir (yet!), we decided instead to recruit young faculty. In July 2018 we expect three assistant professors to join our department. Peng Wang (inorganic chemistry), Zhi She (analytical chemistry) and Chantelle Capicciotti (molecular medicine, joint with the Faculty of Health Sciences) are only the first of an anticipated six (6!) new hires within the next year. Kevin McEleney (Ph.D. 2009) has already returned to Queen’s as an instrumentation manager for our new electron microscopy facility. During his time at the University of Manitoba Kevin has gained enormous expertise in running a multi-user research facility and we could not have wished for a better qualified scientist.

With the help from the university and alumni donors (you know who you are!) we were also able to upgrade our building. A $850,000 investment by the university allowed us to install a heat exchanger in our air handling system. This was the single largest climate action project in the history of Queen’s and is saving us about $90,000 in energy costs per year, or the equivalent of 630 tons of CO2 emissions! On a smaller scale you may notice that kitchens and furniture in the lab wing are being replaced, the walls were repainted, floor tiles were replaced, hardwood floors were refurbished, some artwork has gone up overnight in the Chernoff Auditorium, and there is even talk about jazzing up our courtyard space. Will there be deckchairs and a cocktail bar? Not likely, but there is hope…

Alumni and Friends of our department, such as you, keep our department healthy and successful! For example, the Robins family continues to support our student education through major donations. The newly established Robins Family
fund will be used to support graduate and undergraduate research in perpetuity. We will use the interest from this endowed fund to support student travel to conferences, student research awards, and related activities that benefit student researchers. It is difficult to overestimate the impact of these gifts – they make the difference between a department that stagnates and one that thrives. All of us, and especially the students who benefit from the donation, are very grateful to all donors.

Graduate research from our department already has had enormous national impact. When Ph.D. candidate Caitlin Miron (Petitjean Group) received the Mitacs Award for Outstanding Innovation from Navdeep Bains, Federal Minister of Innovation, Science and Economic Development, the national news media immediately reported on her achievements in the chemical recognition processes leading to cancer development. Caitlin then delivered media interviews and participated in a roundtable discussion on the importance of fundamental research with Prime Minister Justin Trudeau and Bill Nye (the Science Guy). We could not have asked for a better ambassador for our department than Caitlin!

Our faculty were also recognized with awards! Suning Wang received the Excellence Award in Graduate Supervision as well as the Canadian Association for Graduate Studies Award for Outstanding Graduate Mentorship. The Queen's award is given to only one research supervisor annually in recognition of their graduate student mentorship, and the National award has just been launched – Dr. Wang is the very first recipient. Both awards are unusual in that graduate students nominate the professor. This year was also very successful for Cathy Crudden who collected not only the Queen's Prize in Research Excellence but also the International Precious Metals Institute (IPMI) Carol Tyler Award and the Canadian Society for Chemistry's Catalysis Award. Diane Beauchemin received the Gerhard Herzberg Award by the spectroscopy society of Canada for her distinguished scientific contributions to the field of spectroscopy. She is the first woman to receive this award! Finally, yours truly was elected Fellow of the Chemical Institute of Canada.

We were excited to host two very distinguished chemists in the last year. The inaugural Michael Baird Lecture was delivered by Richard Schrock (Nobel Prize 2005) who helped us honour Mike Baird’s many contributions to our department. The fund supporting this lectureship was initiated by two of Mike’s first students, Will Rogers, B.Sc (1977), Ph.D. (1980) and Helen Ferkul, B.Sc.(1980), MSC. (1982). Recently Sir Fraser Stoddart (Nobel 2016) gave the inaugural Walter Szarek Lecture. Sir Fraser was introduced by Mario Pinto (Ph.D. 1980), now President of NSERC, who was also instrumental in establishing the Szarek lectureship endowment. Both Drs. Stoddart and Pinto had plenty of opportunities to reminisce about the times they spent in Szarek’s group.

I sincerely hope that we will see you soon – maybe at Homecoming or maybe when visiting Kingston with family or friends. Please make sure that you drop me a line or call ahead of your visit and we can catch up.

Peter Loock
As Peter pointed out, there have been several initiatives and projects undertaken. In addition to overseeing many of the building enhancement renovations, contributing to the short and long-term planning for the department, and addressing operational challenges, there have been some important staff recruitments over the past year.

**Staffing Changes:**

Pam Bandy-Dafoe retired from the department in October 2017. Pam had joined the Chemistry Department in 1999. Over the years, Pam had worked diligently as part of our administrative team providing financial assistance and keeping Science Stores running smoothly. Although with the department since 1999, Pam had contributed over 41 years experience to the University – A remarkable achievement! We wish her all the best.

Ben Geiger joined the department as our Instrumentation Technologist in June 2017. Ben has extensive technical skills working with and repairing robotics, electronics, sensory systems, pneumatic and hydraulic systems. Additionally, he has a strong IT background with innovation and process improvement experience.

Dawn Free joined the department as Financial Coordinator on January 8th, 2018. With several years of financial and administrative support experience working at Queen’s, Dawn has a robust multifaceted portfolio of experience, which she brings into this new and challenging role. Dawn jumped right in and has started revamping some of our processes in order to increase service levels for the department.

Both Ben and Dawn bring a wealth of experience and a dynamic insight into supporting the teaching and research in our department and are a great addition to our team!

During my four years with the Department of Chemistry, I have had the pleasure of working with some of the finest administrative, technical, and support staff in the higher education field. The Chemistry team is continually focused on improving operational efficiencies, ensuring heightened levels of service, supporting the delivery of our educational programs and research activities. As we continue into the future, I want to thank and acknowledge each employee for his or her hard work and dedication. Many thanks!
Queen’s Prize for Excellence in Research

The past year has been incredibly rewarding for Dr. Cathleen Crudden. Last May she was named a Tier 1 Canada Research Chair in Metal Organic Chemistry for her extensive work with organic compounds. She has tremendously enjoyed the first year in this position, and has made several significant contributions during this time.

This year, Dr. Crudden was awarded a Prize for Excellence in Research by the Office of the Vice-Principal (Research) here at Queen’s. These prizes are awarded to five outstanding researchers annually, and are intended to reward major contributors for their significant impact to their field. Since winners were announced, her research has been profiled extensively, and as a result she has helped raise awareness for chemistry, and scientific research in general.

The Canadian Society for Chemistry’s Catalysis Award has also been given to Dr. Crudden this year. This award is given bi-annually, and is presented to a researcher who has made a distinguished contribution to the field catalysis. She receives it at the annual conference which is being held in Edmonton this year.

Internationally, she has been awarded the International Precious Metal Institute’s 2017 Carol Tyler Award, which is awarded to a female researcher working in the area of precious metals. She is the first non-American recipient! She has been invited to receive this award at their annual conference in Texas in the Spring.

It’s been a most productive publication year, as well. Between the main Queen’s lab and the satellite lab in Nagoya, eleven papers were accepted in 2017. Many papers were accepted in the *Journal of the American Chemical Society* and *Angewandte Chemie*, but the group was honoured to be asked for a submission to a special *Synlett* issue in celebration of colleague Victor Snieckus’ 80th birthday. All authors were surprised and excited to learn recently that their article was awarded the Best Article for the year!

Dr. Crudden is also the Chair of the NSERC-Chemistry Liaison committee; a group formed to facilitate discussions between NSERC and the Chemistry community in Canada. In this role, she has been influential in encouraging growth in the domestic chemistry community through further education, industrial support, and support from the federal government. While primarily interested in issues affecting chemists, this work affects our scientific colleagues across many disciplines, and of course in the international scene.

Dr. Crudden has also spoken at numerous domestic and international public engagements. From invited lectures on her group’s work, to recruiting tours for potential students to Queen’s, to panel discussions with federal level politicians on the state of academic research in Canada, she’s been encouraging others to learn and become engaged in Chemistry.

Research and education are two of the most important facets of ensuring continued access to high quality science, and we are so glad to have such a strong and renowned individual as Cathleen Crudden here in the Department of Chemistry.
2017 Award for Excellence in Graduate Student Supervision

Professor Suning Wang, a Queen’s University Research Chair in the Department of Chemistry was one of the two recipients of the 2017 Award for Excellence in Graduate Student Supervision by Queen’s University. Professor Wang joined the Department of Chemistry at Queen’s University as a Queen’s University National Scholar in 1996. She has supervised 15 MSc and 24 PhD students, as well as 19 postdoctoral fellows at Queen’s. The excellence of her supervision and mentorship is reflected by the fact that many of her graduate students are holders of prestigious academic prizes and fellowships including Vanier Graduate Scholarship, NSERC Graduate Scholarship/Postdoctoral Fellowship, Banting Postdoctoral Fellowship, Marie Curie Postdoctoral Fellowship, and the Canadian Council of University Chemistry Chairs (CCUCC) Doctoral Award etc. Four of her PhD students have won the Governor General’s Academic Gold Medals for their excellence in graduate research. Many of her graduate students are successful in faculty positions, medical profession, and research careers in industrial and government laboratories. Dr. Wang’s students credit her with supporting life-changing personal growth, stemming from her care and concern for each student as an individual. She challenges her students to think critically about science, ask difficult and important questions, ethically communicate scientific findings, and continually grow as researchers. Dr. Wang is always available to her students and helps them stay on track, but she lets them make mistakes so that they gain a sense of ownership over their projects. Beyond encouraging and supporting her students in writing manuscripts for publication, preparing conference presentations, learning new techniques, and interacting with an international community of scholars, she never loses sight of the fact that they are people living complicated lives. Dr. Wang makes an effort to get to know each of her students individually and is deeply invested in their success. She shares her own curiosity and passion for academic research while also respecting and accepting students’ individual ambitions. In the words of one of her students, “it is this combination of personal and professional investment in her students as individuals that makes Dr. Wang a truly exceptional graduate supervisor.”
Two Nobel Laureates help honour Mike Baird’s and Walter Szarek’s accomplishments

The achievements by Mike Baird and Walter Szarek are impressive – even daunting. Both spent over 50 years in chemistry research, trained and educated thousands of students, and wrote hundreds of scientific articles. It therefore seemed only appropriate that their many contributions to chemistry research and education were celebrated with the help of distinguished guests, friends and colleagues.

In both cases the initiative started outside the department. Two of Mike Baird’s first students, Will Rogers (B.Sc. 1977, Ph.D. 1980) and Helen Ferkul (B.Sc. 1980, M.Sc. 1982), launched a fundraising campaign among Mike’s students and friends that ultimately collected enough contributions that we could endow a named lectureship. The first “Mike Baird Lecture” was delivered by Richard Schrock (MIT) on September 28th, 2017. Professor Schrock presented a historical overview of the different discoveries related to the olefin metathesis reaction. Of course, Dr. Schrock’s own contributions were recognized with the 2005 Nobel Prize in Chemistry. Professor Schrock also showed highlights of his more recent work.

More recently, on April 13th, 2018, Sir Fraser Stoddart (Northwestern University) delivered the inaugural Walter Szarek Lecture. The Szarek lectureship endowment was initiated by Mario Pinto (Ph.D. 1980), now president of NSERC, who is a graduate from the Szarek Group. From 1967 to 1970, Sir Fraser, who received the Nobel Prize in Chemistry for his work in the design and synthesis of molecular machines in 2016, was a postdoctoral fellow in the Queen’s Department of Chemistry, working in the research group led by J.K. Jones. However, with Dr. Jones working abroad, Sir Fraser was effectively supervised by Dr. Szarek. It was Walter Szarek who directed Dr. Stoddart’s research interests from carbohydrate chemistry to the then brand-new area of macrocycle synthesis and chemistry. In his talk and in many meetings with students and faculty Professor Stoddart was able to inspire graduate students, professors and staff with his work on “Materials beyond Cyclodextrins”.

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Experience Queen’s Stuttgart Double Masters Program

By Matthias Hermann

Beer, cars, punctuality and love of travel. These topped the many answers I received when I asked people about their German stereotypes. I am not here to prove or refute these. However, I can tell you that my own beliefs about Canada were affected by my stay here. I am the first German graduate of the Queen’s-Stuttgart Double Masters program.

This recently established program through the departments of chemistry in both universities allows students to spend the second year of their studies at the partner university. Students spend their first year at their home university to focus on initial courses and research labs. Afterwards, they head overseas for their second year at the host university continuing on with research then preparing their thesis, all under the supervision of professors from both universities.

My own experience with this program was awesome. I chose to focus on the “Materials and Functional Molecules” line of coursework during my first year, then joining Dr. Oleschuk’s group in Canada for my second year. In September of 2017, I defended my thesis on a microfluidic platform for detecting cadmium in drinking water.

Because this program allows participants to spend a full year abroad it is far more than the short-term student exchange normally offered. It gives one the opportunity to make strong connections in the host country and indulge in a new language and culture. Furthermore, it adds two master’s degrees to your CV – one from each country.

Cally Li and Julius Knöller are this year’s participants, from Queen’s and Stuttgart respectively, both heading abroad for their second year in the Autumn. As for myself, I loved it in Canada so much that I decided to stay here for my PhD. So much for that stereotype about Germans loving to travel.

Queen’s Alumni help endow student teaching and research fund

Queen’s graduates, Barry Robins (BSc 1964 Chem.Eng., centre), and his sons, Dave Robins (BSc 1992 Eng. Chem., left) and Brian Robins (BSc 1994 Chem.Eng., right), made a generous donation of US $100,000 to the Department of Chemistry in support of our undergraduate and graduate student education programs. Barry Robins, an original native of Kingston, is the founder of DavosPharma, Upper Saddle River, NJ.

continued
By Julia Antoniw and Jacqueline Mersereau

Greetings from the Chemistry Department Student Council Co-Presidents. As we write this, the final week of the 2018 winter term is coming to an end. The sun is shining, courses and activities are wrapping up and the undergraduate student body is mentally preparing for the demanding weeks that lie ahead.

The Chemistry DSC is a council composed of undergraduate students from all years of study who work within the department and with the Arts and Sciences Undergraduate Society. We are currently in the process of meeting with our successor, an experience which is providing us with the opportunity to reflect on the past year. Our goals or this year were to be a voice for the undergraduate student body, promote positive relationships between undergraduate students, graduate students, and faculty members, and fundraise money for our end of year formal – a highly anticipated event within the Department. With support from the faculty, the Queen’s Graduate Chemistry Society and our undergraduate council we were able to achieve all these goals.

The start of the year was a busy time where we formed a council with 20 members composed of finance, fundraising, marketing, events, academics and year representatives. The hard work, commitment and dedication that this wonderful team put in allowed us to plan and be a part of numerous successful academic and social events.

The academic highlights from this year include the implementation of the accelerated master’s program, the Fall and Spring Open Houses, and the “Major’s Night”. Beginning in Spring 2018, members of the 2019 class will be able to begin working towards their master’s degree while completing their undergraduate degree. We appreciated the opportunity to be given a voice in this process and believe this accelerated program is a positive initiative that will benefit both undergraduate students and researchers. The Fall and Spring open houses gave students in the Department an opportunity to volunteer to speak about the Chemistry program continued
At Queen's to high school students and their families, testing our volunteer's knowledge of the on-display MS-MS instrument in the process. Undergraduate students and faculty also volunteered their time at “Majors Night” where they answered questions from first year students in the process of choosing a major.

The social highlights from this year included a Welcome Back Night at the Grad Club, Halloween candy-gram sale, departmental clothing sale, pub crawl, ethanol engraved shot glasses sale, pool tournament, and an end of year banquet. Competitions were high at the pool tournament and we had a two-way tie for first place team! The end of year banquet aimed to celebrate all that has been achieved during the year and provided a night for students and professors to interact in a stress-free environment.

This year’s banquet theme was masquerade and the night was filled with dinner, dancing and creative masques. “Table Trivia: How Well Do You Really Know Your Professors?” was a hit for the second year running as were the mask decorating stations and photo booth. Departmental awards were given out to Professor and Teaching Assistant of the Year, which was voted on by Undergraduate students. This year, Dr. Avena Ross won Professor of the Year and Derek Esau and Jadab Majhi tied for TA of the Year. We would like to extend a thank you to all the those who came out to our events and supported out fundraisers as your enthusiasm for all things chemistry related is what made these events such a success.

As well as social and academic events, the Chemistry DSC completes other administrative duties in the Department. These include conducting USAT professor evaluations, meeting with the Department Head, meeting with the Arts and Science Undergraduate Society (ASUS) regarding the progress of our Department, and participating in Faculty Board meetings, to vote on important decisions in the Faculty of Arts and Science. A mix of individual and group-based efforts, these duties allowed us to learn a great deal about some of the democratic processes in place at Queen's and speak up on behalf of the Chemistry student body regarding changes to policies.

It has been an honour to serve as the Chemistry DSC Co-Presidents and we are truly grateful for being given this opportunity. This year has been such a rewarding experience for us both and allowed us to learn a lot about ourselves as individuals and as a team. We are proud of the work we have done and look forward to taking all we have learned and applying it in our future endeavours.

Graduate student life in the department

By Marshall Timmermans

Greetings from the Queen's Graduate Chemistry Society! As the Spring semester draws to a close, it is my joy to reflect on graduate student life in the chemistry department throughout this eventful and fun-filled year. The QGCS executive is the representative body for graduate students in the chemistry department, striving to provide a mixture of social, educational, and charitable events, and to keep graduate students connected to their community both within the department and throughout the university. As the President, I am proud to have worked with an incredible...
executive team over the past year, who have all done exceptional work on making the chemistry department a great place to live. Allow me to introduce you to this year’s executive: Suhaylah Sequeira, VP Internal; Jaddie Ho, VP External; Morgan Lehtinen, VP Finance; Ola Pasternak, 5th Floor Rep; Andrew Rinald, 4th Floor Rep; Eduardo de Barros Ferreira, 3rd Floor Rep; Sarah Ellis, Sports Rep; and Bailey Smith, Secretary.

By far our largest event this year was the Graduate Research Symposium. This event is a full day of research presentations from graduate students, summer undergraduates, and postdocs in the Department. Held during orientation week, this is a welcome event to introduce incoming graduate students to the exciting research done in the department and to share our passion for our research with other graduate students in the Department. Cash prizes were awarded for every session, and we held a poster session and three-minute thesis competition. This year was exceptional as we extended invitations to graduate students from the Royal Military College, also here in Kingston, and a number of their students also participated in our poster session. It is our hope that this collaboration between chemistry departments in the Kingston area will continue and expand in the future and promote exchanges between graduate students within neighbouring institutions. Additionally, we were very excited to be able to invite Dr. Nathan Magarvey of McMaster University as the keynote speaker of our symposium, who gave a very well-received talk on his research.

This year was the first year that our graduate research symposium was held in conjunction with the annual meeting of the Queen’s Chemistry Innovation Council. This joining of the two annual events was done with the goal of forming connections between current chemistry graduate and undergraduate students and the exceptional network of chemistry alumni that is the QCIC. This event was a resounding success by all accounts. We were pleased to be able to invite QCIC members to attend the graduate research symposium and share our work with them, and we were equally pleased to have the QCIC host graduate and undergraduate students in a networking event where students were able to have face-to-face conversations with QCIC members about careers in chemistry, and learn more about how a degree in chemistry has led to the success of these distinguished alumni.

This year QGCS continued to use its position as representatives of chemistry students within the Queen’s community to advocate on their behalf and ensure that there have been apprised of the continued
latest news regarding events within the broader university community. This year saw a number of significant events, such as renegotiation of the collective agreement between the University and Teaching Assistants, as well as numerous referenda put forth by the Society for Graduate and Professional Students (most notably the renewal of the subsidized bus pass that grad students use to access Kingston Transit). QGCS executive members have been diligently ensuring that the best interests of chemistry students are represented in these discussions, and we have encouraged chemistry graduate students to engage with these processes. This year has seen unprecedented engagement of chemistry students with the university community, with huge turnouts of chemistry students at SGPS meetings, contract negotiation meetings and the vote to approve the new TA collective agreement. I am proud to have worked this past year with so many QGCS executive members and graduate students who are passionately working to improve the Queen’s community.

Although our educational and political activities are enormously rewarding, it’s the good times that we spend with our fellow graduate students that will be remembered the longest. One of the principle goals of the QGCS is to foster a sense of community and camaraderie amongst our members, and this has been an excellent year in that regard. Nothing brings grad students together quite like food and coffee, and our summer barbecues and weekly Wednesday Coffee sessions have offered many opportunities to get out of the lab and relax with our labmates and colleagues. Our fundraising through providing coffee for our weekly departmental seminars have allowed us to organize a whole series of fun events to bring graduate students together, such as our Summer and Halloween mixers, trivia nights, pumpkin carving at Halloween (with spooky chemistry themed jack-o-lanterns!) skating trips, and bowling trips. Our Winter Formal banquet at the Grizzly Grill was a smash success, with a full three-course meal, door prizes, and good conversations had by all. Once again the QGCS and chemistry grad students banded together to raise money for a good cause by having a good time, once again participating in CIBC’s Run for the Cure, raising money for the Canadian Cancer Society. Events like these, and the good memories created at them with our friends and colleagues, really bring together the Queen’s chemistry community and make the chemistry department feel like home.

The warmth and friendship we have received from graduate students in chemistry makes all the work done by the QGCS worth it. It has been a true honour to serve this community as President. I would like to once again thank the rest of the QGCS executive for their hard work and dedication, and for giving me the opportunity to work with them to make this a great year. I wish the best of luck to next year’s executive, and look forward to seeing what next year holds!
June 2017

- Congratulations to Soren Mellerup, a Chemistry PhD student who is one of three awarded the German Academic Exchange Service (DAAD) scholarship.

- The research of Dr. Gregory Jerkiewicz is featured in the Spring 2017 issue of (e)AFFECT magazine. Dr. Jerkiewicz is reaching out globally to help create a greener and cleaner world. To read more, view page 22 to 23 of the Spring 2017 issue of (e)AFFECT:

- Dr. Victor Snieckus is named the 2017 Yoshida Lecturer in recognition of his accomplishments in organic chemistry. He presented lectures at Osaka and Kyoto Universities and participated in the Nordic/Japan Symposium during the June 20-25, 2017 period.

July 2017

- Congratulations to Dr. Hans-Peter Loock who is appointed as Head of the Department of Chemistry for the period July 1, 2017 to June 30, 2021.

- We congratulate Jutae Kim, a former PhD student in the Laboratory of Dr. Gregory Jerkiewicz, on his appointment as Research Professor at the Global Frontier Center for Multiscale Energy Systems at Seoul National University in South Korea. Jutae defended his PhD thesis in May 2017 and was appointed Research Professor the following month.

August 2017

- We congratulate Drs. Avena Ross and Matthew Zamora on their marriage.

- Morgan Lehtinen, an MSc Candidate in the Liu Group is awarded the Graduate Student Speaker Award at the 2017 CSC. Her oral presentation is in the field of Self-Assembly at Surfaces.

September 2017

- 2016-2017 Chemistry TA Award winners!

Andrew Burnie (the Fisher Scientific Award): Amy MacLean and Derek Esau (the Friends of Chemistry Award); Christene Smith (the David Thomas Award); and Mai-Jan Tom (the Patrick Doolan Award).
September 2017

- Our 2017 QCIC career event is a huge success!

October 2017

- In honour of the 60th anniversary of the founding of the University of Waterloo, their Faculty of Science presents Alumni of Honour Awards to 10 alumni, including Philip Jessop. The ceremony, presided over by Bob Lemieux, took place on Friday the 29th of September.

November 2017

- Special congratulations to Bruce Jameson! 70 years ago, Jameson left Queen’s with one credit short from his degree in engineering chemistry. He started working full-time for a petroleum company right after he left and stayed in the industry for 39 years. Over the years, he married, had children, grandchildren and is now retired. On November 14, 2017, Bruce Jameson returned to Queen’s for Convocation and finally received his degree thanks to his grandson.

- Professor Gregory Jerkiewicz is awarded the 2018 Eminent Visitor Award of the Catalysis Society of South Africa

- Chemistry installs a new 700 MHz NMR Spectrometer! The instrument is equipped with probes for both liquid and solid samples and will support departmental research and contract work for many years. The NMR instrument is part of the $8.8M CFI grant.
December 2017

- New artwork is installed in Chernoff Auditorium. These images printed on brushed aluminum sheets, are SEM files provided by our very own Dr. Guojun Liu, Dr. Gregory Jerkiewicz and Dr. Richard Oleschuk.

- The Queen's Graduate Chemistry Society showing holiday cheer at their 2017 Winter Formal Dinner held at the Grizzly Grill!

January 2018

- Two Ph.D. students from the Beauchemin group win poster prizes at the 2018 Winter Conference on Plasma Spectrochemistry held in Amelia Island, Florida, January 2018.

March 2018

- We have the pleasure of hosting Mike Chernoff on Monday March 19th. We are very grateful for his contribution in making Chernoff Hall what it is today!

April 2018

- We welcome Dr. Kevin McEleney who joined the Department April 2, 2018 as the new Surface Facility Instrumentation Manager. Kevin obtained his undergraduate and graduate degrees here at Queen’s. He received his PhD in 2009 under the supervision of Dr. Cathy Crudden and Dr. Hugh Horton.
April 2018

- Ontario Graduate Scholarship recipients for 2018-2019 are:
  Sarah Ellis (Jessop), Emily Groper (Loock), Becky Lo (Zechel), Amy MacLean (Loock), Hannah Ramsay (Stamplecoskie), and Alex Veinot (Crudden).

Dr. Peter Loock; Vanessa Romano (Macartney Group) the Walter MacFarlane Smith Prize in Chemistry; Rebecca Modler (Kontopoulou Group) the M. Sullivan and Son Limited Scholarship; Dr. Gang Wu

- Philip Jessop, along with other experts prepares a report for the Government of Canada on the state of science and technology and industrial R&D in Canada.

- Dr. Allingham along with co-investigators P. Andrew Evans (Department of Chemistry) and Andrew Craig (The Queen’s Cancer Research Institute), will receive $497,500 over the three years. The federal financing will fund the development and pre-clinical testing of new cancer fighting drugs that disturb a key protein required for cancer cells to spread.

- The following students win national NSERC awards for 2018-2019:
  Julie Deichert (CGSM Snieckus/Ross group), Jasmine Buddingh (PGSD Liu group).

May 2018

- Congratulations to Guojun Liu on the renewal of his CRC Tier-1 Chair.

- Congratulations to Dr. Gregory Jerkiewicz, who has been conferred with the title of Professor of Chemical Sciences for life by Andrzej Duda, President of the Republic of Poland.

June 2018

- Diane Beauchemin wins the Gerhard Herzberg Prize given by the Spectroscopy Society of Canada.

- Suning Wang is chosen as the winner of the first Canadian Association for Graduate Studies Award by the Canadian Association of Graduate Studies for Outstanding Graduate Mentorship.
Congratulations to the Undergraduate Class of 2018!
We are pleased to announce that the following speakers have been confirmed for our 2018-2019 Seminar Series. For more information and dates, please visit our website at

www.chem.queensu.ca/departmental-seminar-series

Professor Thomas F. Miller, California Institute of Technology
Professor Sarah E. Reisman, California Institute of Technology
Professor Mitchell A. Winnik, University of Toronto
Professor Paul Anastas, Yale University
Professor Karen Goldberg, University of Pennsylvania
Professor Laura L. Kiessling, MIT
Professor Molly Shoichet, University of Toronto
Please join us on Saturday, October 20th

Starting at 10:30 to 12 pm for department tours hosted by the Chemistry Graduate students and faculty