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PRESIDENT’S MESSAGE

It is nice that the winter 2016 term is completed and that spring arrived early in most parts of the country. Spring is a busy time for AFPC.

The majority of the planning work is completed for the 2016 AFPC Canadian Pharmacy Education and Research Conference (CPERC) – “Building the future of pharmacy: We are the agents of change”. The conference calendar is set with an opening reception being held on May 31 followed by 2 education days (June 1 and 2). The final educational program has been posted (for details please see the conference brochure <http://afpc.info/content/2016-cperc-short-program>). The venue is the River Rock Hotel and Resort in Richmond, BC.

Congratulations to our 18 AFPC awards recipients. The awards were highly competitive this year with number of award nominations being greater this year compared to last year. We have a boat cruise on June 1 to honor the AFPC awards recipients. Please join us in our recognition of the award recipients and for the opportunity to enjoy Vancouver from a unique perspective.

Two major national projects (unique to academic pharmacy) were completed this spring. In the first project, the pharmacy educator peer leader network project (PEPLN) utilized a peer-to-peer leader network to facilitate the integration of the AFPC informatics e-resource into pharmacy curricula. Faculty peer leaders conducted 34 integration activities in 1 year with approximately ½ of the pharmacy students enrolled in Canadian pharmacy faculties participating. The network helped to create conditions to result in the integration successes. The lessons learned will be valuable as AFPC special interest groups (SIGs) develop and mature. In the second project, the Canadian pharmacy experiential education (Can Ex Ed) project, an extensive review of literature and opinions of subject matter experts were utilized to identify potential best practices to enhance the quality and capacity of experiential education in Canada. Nine written reports were prepared (with evidence reviewed, best practice identified and implementation recommendations). The project generated an extensive collection of potential best practices, and practical tools and approaches for altering Canadian experiential education quality and capacity. Through this project, the AFPC SIG pharmacy experiential programs Canada (PEPC) has been enabled to initiate changes to current experiential education programs.

We look forward to seeing you soon. Please see the Executive Director’s report (that follows below) for more details about AFPC.

Michael Coughtrie
AFPC President (2015-2016)

EXECUTIVE DIRECTOR'S CORNER

HIGHLIGHTS

- Faculty and student winners are announced for the 2016 AFPC awards.
- Official 2016 CPERC program now posted (see <http://afpc.info/content/2016-cperc-short-program>).
- Agenda for 2016 AFPC Annual Business and Townhall Meeting now posted (see <http://afpc.info/content/2016-annual-business-townhall-meeting>).
- Internal evaluation report from Pharmacy Educator Peer Leader Network (PEPLN) project completed (see <http://afpc.info/content/pepln-evaluation-report>).
- Canadian Experiential Education project reports available (see <http://afpc.info/content/canexed-reports>).

GOVERNANCE

- Council of Faculties voting members – The Council of Faculties voting members mid-year meeting was held on February 4, 2016. The agenda items addressed were committee

ADMINISTRATION

- Detailed 2015 AFPC financial data has been supplied to enable the auditor to prepare the audited year-end financial statements. The reports will be available for the May 31, 2016 AFPC Board of Directors annual meeting and Annual meeting of voting members.
- AFPC website changes were implemented (changes were identified through the Communications Committee). The changes were revisions to the home page, inclusion of a message to members to login to member only viewing, and automatic redirect of members to page after login.
- Preliminary discussions have occurred about AFPC membership options with the group representing Arab university pharmacy

reports, project updates, 2015 employment survey results, pharmacist specialization, skills lab SIG terms of reference, revised CCAPP standards, 2016 CPERC and business meeting plans, and National Patient Safety Consortium update. The annual meeting for the Council is on May 31, 2016 in Richmond, BC.

- Board of Directors – The Board of Directors met February 9, 2016. The following were agenda items: review of internal 2015 income / expense reports, 2016 CPERC and business meeting plans, and AFPC strategic plan. The annual meeting of the Board is scheduled for May 31, 2016 in Richmond, BC.
- Council of Deans – The Council of Deans held an interim meeting on February 25, 2016. The agenda items covered at this meeting were the AFPC advocacy plan, pharmaceutical / pharmacy research, pharmacist manpower situation, and international pharmacy undergraduate students. The annual meeting for the Council of Deans is planned for June 25, 2016 in Calgary. Lyne Lalonde represented AFPC Deans at the March 7, 2016 Research Canada caucus event. A follow-up discussion will occur with Research Canada.

education. This request will be reviewed from the perspective of the AFPC bylaws (e.g., membership options that exist within current bylaws).

PROGRAMS / SERVICES / PROJECTS / COMMITTEES

Awards – Sixteen award nominations were received at the March 15, 2016 deadline. In addition 10 students were nominated for the pharmacy student research poster award. AFPC received multiple nominations for the CPhA Pharmacist of the Year Award. Nominee submissions were reviewed by peers and one faculty member's name was submitted by AFPC to CPhA.

Congratulations to our 2016 AFPC Award winners.

AWARD	WINNER	FACULTY /SCHOOL /COLLEGE
New Investigator Research Award	Mark Harrison	British Columbia
Pfizer Research Career Award	Shirley Wu	Toronto
Janssen Award for Innovation in Education	Derek Jorgenson	Saskatchewan
National Award for Excellence in Education	Jean-François Bussières	Montreal
Pharmacy Examining Board of Canada Award for Excellence in Research or Innovation in Assessment of Competence	Anne Marie Whelan	Dalhousie
Canadian Foundation for Pharmacy Graduate Student Award for Pharmacy Practice Research	Robert Pammett	Saskatchewan
Merck Canada Ltd. Postgraduate Pharmacy Fellowship Award	Katherine Koroluk	Toronto
Graduate Student Research Award	Warren Viricel	Montreal
Pharmacy Student Research Poster Award (1 per faculty)	Marilyn Sun Naif Alujhani Pedram Rafiei Divna Calic Nyasha Gondora Chesarahmia Dojo Soeandy Anna Cieślak Marc-André Renaud Mia Losier Waseem Abu-Ashour	British Columbia Alberta Saskatchewan Manitoba Waterloo Toronto Laval Montreal Dalhousie Memorial

Education – The data collection process was initiated for the review of the current AFPC educational outcomes. Dr. Ken Cor (University of Alberta) was contracted to conduct two focus groups (1 faculty member for each faculty identified to participate). The focus groups were conducted on April 27 and 28 to obtain qualitative feedback from faculty members about the educational outcomes. The findings from the focus group sessions will be reviewed with the Education Committee and with the Council of Faculties voting members. Based on the results, decisions will be made to collect additional data (e.g., general on-line survey) and / or proceed with a formal outcomes revision process. Dr. Jamie Kellar (University of Toronto Councillor) is the chair of the Education Committee.

2016 Annual Conference / Canadian Pharmacy Education and Research Conference (CPERC) – The 2016 CPERC “Building the future of pharmacy: We are the agents of change” is held on May 31, June 1-2 in Richmond, BC at the River Rock Hotel and

Resort. Most planning activities are completed. The exciting education program features 7 educational sessions with 19 speakers, 14 concurrent sessions with 29 speakers and more than 60 poster presentations. Poster viewing takes place on June 1 and 2. On-line conference registration and accommodation information is available on the AFPC website <http://afpc.info/content/2016-cperc-registration-accommodation>). We have a very special event booked for the Awards Banquet. 2016 Award recipients will be honoured on a dinner and boat cruise on the MV Queen of Diamonds. We are confident this will prove to be a memorable experience.

A copy of the conference program is posted on the AFPC website (see <http://afpc.info/content/2016-cperc-short-program>). The annual business and townhall meeting is held on June 1, 2016 from 1200-1330 hours (see <http://afpc.info/content/2016-annual-business-townhall-meeting> for the notice agenda.)

Informatics SIG / Pharmacy Educator Peer Leader Network (PEPLN) project

The AFPC informatics SIG group held a meeting on April 29, 2016. The terms of reference was reviewed by the Council of Faculties. This SIG group will be a focal point for AFPC to continue to advance the integration of digital and e-health in Canada pharmacy curricula. Lisa Bishop is the Chair of this SIG group.

The PEPLN project was completed on March 31, 2016. A substantive internal evaluation report was produced. The project built upon the work completed in the pharmacists-in-training project by using a peer-to-peer leader network to facilitate the integration of informatics competencies and the e-resource “informatics for pharmacy students” into pharmacy faculty curricula. Eight peer leaders (from 8/10 faculties) participated in the full project. Over one half of the pharmacy students enrolled in faculties used the e-resource. The network, PEPLN, created conditions considered essential to produce a collective impact. Thirty four local integration projects were conducted in a 1 year period. Integration activities were conducted in seven different types of courses with pharmacy skills labs being the most frequent. The most common learning activity was pre-reading for labs or lectures. A number of non-course integration activities occurred. Twenty integration best practices were identified. Overall results illustrated that version 1 of the e-resource was a useful and valuable tool for integrating important concepts and principles about digital and e-health into pharmacy curricula. Twelve major and ten minor changes to version 1 of the resource were made to improve access / use, navigation / layout, and specific learning / teaching activities. Version 2 of the e-resource will be available by May 2016. A copy of

the evaluation report is posted on the AFPC website (see <http://afpc.info/content/pepln-evaluation-report>).

As funding for the PEPLN project ended March 31, 2016 a new AFPC funding proposal was submitted to Canada Health Infoway (for the 2016-17 fiscal year). The proposal focused on two strategic objectives for 2016-17: i) build the capacity and ability of the pharmacy educator network to increase digital and e-health integration and related curriculum change; and ii) continuously improve the quality of the e-resource to allow for relevant and valid teaching / learning about digital and e-health. It is anticipated AFPC will receive a response from Infoway about the funding proposal in early May 2016.

The PEPLN leadership team members (Lisa Bishop, Marie Rocchi, Donna Pipa, Harold Lopatka) and one peer leader (Gilles Leclerc) attended the March 3, 2016 Infoway peer leader symposium. Poster and panel presentations about PEPLN were made at the symposium. Abstracts entitled “A national pharmacy educator peer leader network for integrating informatics into the pharmacy curricula” and “An innovative approach to integrate health informatics into pharmacy curriculum” were accepted for presentations at the 2016 AACP annual conference and the 2016 E Health conferences. The 2016 CPERC session about PEPLN is entitled “Pharmacy Informatics: Reflecting on the project and considering the next steps”. The selection process for the 2016 Infoway Student Interprofessional E-health Award was completed and students from the University of Toronto were selected as the winners of this award (see <http://afpc.info/content/announcing-recipients-2016-student-interprofessional-ehealth-award>).

Canadian experiential education project (Can Ex Ed) / PEPC

The Can Ex Ed project was officially completed March 31, 2016. A perpetuation plan was developed to continue activities on the action priorities. Four working groups have been established.

- Making the grade work group (WG) – The focus for this WG is on a national approach to learning outcomes and corresponding assessments at each stage of experiential education. An initial output from this WG is to develop and pilot test an assessment tool. Kelly Drummond is the lead for this WG.

- Teaching and learning models work group – The focus for this WG is on integrating the full spectrum of learner-preceptor models in experiential education. An initial output from this WG is to develop and pilot test student and preceptor guidebooks. Michael Legal is the lead for this WG.
- Partnership development work group - There are two areas of focus for this WG: i) best practices in preceptor development to establish / augment best qualities / abilities in preceptors; and ii) characterization of exceptional education sites’ best practices.

The initial output for the 1st focus is to develop and implement a national preceptor development program (i.e., competencies, self-assessment tool, learning sources). The initial output for the 2nd focus is to develop guidelines and tools for experiential sites (e.g., minimum criteria, dimensions of excellence, workshops, special rotation sites, orientations, awards). The PEPC members to lead these WG activities will be identified.

- Recruitment and retention work group – There are three areas of focus for this WG: i) description and promotion of the value learners add to the host organizations and their value; ii) optimization of preceptor recruitment and retention; and iii) promotion of experiential education to stakeholders. The outputs for the 1st area of focus include the development of performance indicators and producing marketing tools for faculties. The outputs for the 2nd focus include develop management recruitment and retention tools for use by faculties (e.g., communication materials, job description duties, sample

surveys, training materials). The output for the 3rd focus is to develop marketing tools (e.g., marketing research survey, messages and communication materials). PEPC members will be identified to lead these WG activities.

A final meeting of the Can Ex Ed project steering committee is planned for May 2016. Nine written reports were prepared as part of the Can Ex Ed project and are posted on the AFPC website. The reports can be accessed through AFPC website at the following URL <http://afpc.info/content/canexed-reports>.

Dissemination of selected findings from the Canadian experiential education project occurred at the 2016 CSHP Professional practice conference. Further dissemination will occur at the 2016 CPERC session, 2016 Canadian Pharmacists Conference, and through a 2016 CPhA webinar session. The CPERC session is entitled “Trajectories of the Canadian experiential education project”. In addition a number of articles based on the project findings are being considered for publication in professional and academic publications.

Program evaluation / assessment SIG

The evaluation and assessment SIGs will be conducting an educational session at CPERC. The program assessment SIG is continuing with monthly webinars about assessment. For additional information about these sessions please contact Gilles Leclerc at gilles.leclerc@umontreal.ca.

Skills lab SIG

The terms of reference for the pharmacy skills lab SIG were reviewed and approved at the February 4, 2016 Council of Faculties voting members meeting. Cynthia Richard is leading the SIG. The SIG held its first official teleconference meeting on April 27, 2016.

Canadian Pharmacists Association (CPhA)

Regular briefings are being held between AFPC and CPhA management staff. AFPC is a member of the CPhA Advocacy working group. Regular monthly

push emails are being sent out to AFPC pharmacists who are also CPhA members. The AFPC Executive Director will be meeting with the CPhA Executive Director to review the CPhA 3 year advocacy plan, member communications and value initiatives, and other initiatives in May 2016. AFPC participated in discussions with CPhA on the following topics: establishment of pharmacy workforce working group, revised position statement concerning medical marihuana, document on assisted dying framework, and national approach to image collaboration. AFPC will be sending representatives to the June 2016 national Thought Leadership Summit. Dr. Glenda MacDonald (University of British Columbia) is serving as the AFPC representative to the CPhA national work group reviewing pharmacist CPD programs.

OTHER

- National Patient Safety Consortium (NPSC) - H. Lopatka has been participating in meetings of the NPSC evaluation action team (the team is developing tools for evaluating the collective impact of the NPSC). Olavo Fernandes (AFPC representative to the NPSC Patient safety education roundtable) attended a February 2016 session of the Patient safety education roundtable. AFPC is planning a pharmacy faculty / school survey to assess the current status of teaching patient safety competencies in local curricula.
- Specialization task group – This task group is continuing to meet on the topic recognition of pharmacist specialization. Organizations represented include PEBC, CSHP, CPhA, CCCEP, NAPRA, and AFPC. The group is planning to conduct a Delphi survey of key stakeholders about pharmacist specialization related definitions and recognition options.

ACKNOWLEDGEMENT OF 2016 SPONSORS

AFPC would like to acknowledge the following 2016 Sponsors for their generous contributions:

Canadian Pharmacy Education & Research Conference Sponsors

Innovative Medicines Canada – Platinum Sponsor

Teva Canada – Platinum Sponsor

BD Canada – Gold Sponsor

Shoppers Drug Mart – Gold Sponsor

Pfizer Canada Inc. – Silver Sponsor

Award Sponsors

Merck Canada Ltd. – AFPC / Merck Postgraduate Pharmacy Fellowship Award

Canadian Foundation for Pharmacy – AFPC / CFP Graduate Student Award for Pharmacy Practice Research

Pharmacy Examining Board of Canada – AFPC / PEBC Award for Excellence in Research or Innovation in Assessment of Competence

Janssen Inc (J&J Shared Services) – AFPC / Janssen Award for Innovation in Education

Pfizer Canada Inc. – AFPC / Pfizer Research Career Award



Executive Director
AFPC

FACULTY SPOTLIGHT: UNIVERSITÉ LAVAL

GENERAL FACULTY NEWS

Pharm.D. program

The first cohort from the new Pharm.D. program completed courses and internships during the summer of 2015. After 4 years of efforts, 162 students graduated. A second cohort will graduate this summer. Again this year, we have received more than 1800 applications for admission in this program, which welcomes only 192 new students every year. This program is now well established, but the Faculty of Pharmacy is, of course, committed to a continuous improvement of it. Thus, a program evaluation is ongoing and we are pleased to obtain comments and feedback from our students after every session.



First Pharm.D. graduates

Canadian Council of Accreditation of Pharmacy Programs (CCAPP)

The Faculty of Pharmacy of Laval University is proud to report that the Canadian Council of Accreditation of Pharmacy Programs, after a visit in November 2014,

has approved the *Doctorat de premier cycle (PharmD)* program, with a Full Accreditation for the four-year term 2015-2019. The CCAPP's report was recognizing the quality of the program.

Pharmacy Management study program

This unique program, available since fall 2015, has 12 credits and is compatible with a working and active life. This program is indeed completely offered online (distance learning) and can be completed part-time. Every pharmacist can now take advantage of an excellent preparation in business administration, and as well become a leader in their organization. This program aims indeed at initiating and preparing the future owner pharmacist, or manager, to the principles and techniques of the overall management of a community pharmacy.

The program covers 4 main subjects, such as Business law issues, financial and accounting matters, human resources management and business operations management. Interesting fact: these 12 credits from the management study program could be included in an MBA degree.

Clearly, the program meets a need, with 129 admissions since fall 2015. A new course will be offer this summer. For further information, we invite you to watch this video:

<https://www.youtube.com/watch?v=yqbQgVqhd3s>

Term Renewal for our Dean

Dr Jean Lefebvre, Dean of Faculty of Pharmacy, has been nominated for a second four-year term, which began on July 1st 2015 and will end on June 30th 2019.



Jean Lefebvre, Dean of Faculty

Admission to Master Degree program in Advanced Pharmacotherapy

The admission process is now ongoing for the Master Degree program in Advanced Pharmacotherapy. We received around 60 applications, from candidates who would like to eventually work as pharmacists in the healthcare system. Thirty-five offers were sent, and a waiting list created. This new cohort will begin courses on fall 2016 and internships on winter 2017.

Master Degree program in Advanced Pharmacotherapy Revision

In continuity with the Pharm.D. program, changes had been occurring in the Master degree program in advanced pharmacotherapy. Firstly, the admission date had been moved from February

1st to March 1st and the residency program now starts at the autumn session rather than the summer session. At fall 2015, a new residency calendar had been proposed to master program students. The program is still under major revisions. More specifically, the Faculty wishes to offer a new version of the master program with (1) an increase to the number of credits from 48 to 60 and (2) the revision and the implementation of some modifications in the structure as well as in the education program. The aims of these changes are to optimise the program consistency, to allow the continuity with the Pharm.D. program. Procedures are in process by the institutional authorities to obtain the authorisation of this new program version.

Three Awards at Annual meeting of Association des Pharmaciens des Établissements de Santé du Québec (A.P.E.S.)

The annual meeting of the Quebec hospital pharmacists association was held on April 13rd to 15th 2016 in the city of Trois-Rivières. Julie Méthot, director of the Master Degree program in Advanced Pharmacotherapy was present at this meeting. During the Award ceremony, two former students and a clinical professor from our Faculty were honored.

Jean Lefebvre, Dean of Faculty of Pharmacy was present to deliver the Pierre-Paul Leblanc award. The Pierre-Paul Leblanc prize was awarded to Amélie St-Arnaud, a resident from the 2014-2015 cohort. This award is presented annually to a pharmacy resident of the Faculty of Pharmacy from Laval University for excellence in all of his work during his residence.

Audrey Vachon, pharmacist at *Institut universitaire de cardiologie et pneumologie de Québec – Université*

Laval and clinical professor at our Faculty received the France Boulet award. This award is given annually to the best article published in *Pharmactuel* (www.pharmactuel.com) in the previous year. Audrey was recognized for her article: *Vachon A. Votre expérience avec un outil clinique pour une meilleure gestion des allergies croisées potentielles entre bêta-lactamines. Pharmactuel 2015;48(2):98-103.*

Also, the very prestigious Roger Leblanc prize was awarded to Mr. Luc Bergeron, Pharmacist at *CHU de Québec – CHUL-Université laval*, and clinical professor at the Faculty. This award is given annually to a pharmacist in recognition for excellence of his practice during his career in hospital.

The Faculty wishes to congratulate these 3 winners!

RESEARCH

Discovery relative to Parkinson's disease

Dr. Di Paolo and her group, in collaboration with neurologists and professors Dr. Ali Rajput and Alex Rajput of the University of Saskatchewan, recently reported in the periodical *Biochemical Pharmacology* their original research on Parkinson's disease. They showed, in post-mortem human brains and in an animal model of Parkinson, that the alpha7-nicotinic acetylcholine receptors are increased in individuals with L-DOPA-induced dyskinesias, a very common motor side-effect of this treatment. They are the first group to report this finding and this shows a possible new drug target.

Association found between thermoregulation and Alzheimer's disease

Dr Frederic Calon's team reported on an association between thermoregulation and Alzheimer's disease. They found that exposure to cold aggravates key markers of Alzheimer's disease pathology, whereas a thermoneutral environment improves memory function and reduced amyloid and synaptic pathologies in an animal model. Press Release:

<http://www2.ulaval.ca/en/about-us/media-center/press-releases/details/article/drop-in-body-temperature-associated-with-aging-could-aggravate-manifestations-of-alzheimers-disease.html>

Brittany Humphries received a CIHR scholarship

Brittany Humphries is doing a Master in Pharmacoepidemiology under the supervision of Sophie Lauzier, Ph.D and Elizabeth Maunsell, Ph.D. Her project aims at determining the extent of wage losses caused by breast cancer among spouses of women who were diagnosed with this illness. She received 17 500\$ for one year (Sept 2016 to Sept 2017).

Marine Tournissac selected at Cogito Contest

Marine Tournissac, who is doing a Ph.D. in Pharmaceutical Sciences under the supervision of Dr Frederic Calon, was selected to present her research project at Cogito Contest. This contest aims at recognizing the excellence and involvement of students from graduates programs, in their research projects. The winners can share their passion through a television show broadcast on Canal Savoir and on AELIÉS website. To watch the full program with Marine: <https://youtu.be/1MLV5tSJRCE?t=9m16s>

Undergraduate Research Internship Scholarships from the «Fonds d'enseignement et de recherche (FER)»

Six undergraduate students have been chosen to receive a research internship scholarship from the *Fonds d'enseignement et de recherche (FER)*:

- Laurence Guay (supervised by Julie Méthot)
- Myriam Lemelin (supervised by Nicolas Bertrand)
- Carolanne Gélinas (supervised by Frédéric Calon)
- Alexandre Sanctuaire (supervised by Paul Poirier)
- Marianne Deslauriers (supervised by Roxane Pouliot)
- Philippe Simard (supervised by Roxane Pouliot)

These scholarships aim at offering financial support to undergraduate students who wish to develop their research skills by carrying out a research internship this summer. Scholarship amounts vary between 2750\$ and 4000\$ for an internship duration of 6 to 16 weeks. Internships are supervised by Faculty of pharmacy's professors.

GSK/CSPS Undergraduate Student Award

Carolanne Gélinas, Pharm.D. student, obtained the GSK/CSPS undergraduate student award of the Faculty of pharmacy. She will represent the Faculty by presenting her research project with a poster at the 2016 Canadian society for pharmaceutical annual conference at Vancouver.

AFPC/Rx and D – Student Research Poster Award

Anna Cieslak, Ph.D. student received the AFPC/Rx and D – student research poster award for the Faculty of pharmacy. She receives 1500\$ to participate at the Association of Faculties of Pharmacy of Canada (AFPC) annual conference. She was selected for this prize because she has the best scientific poster.

EVENTS

18th Annual Symposium of the Faculty of Pharmacy

The 18th annual symposium was entitled: «Défi et enjeux en 2015». Again this year, the Symposium was a great success with over 330 people attending the event. Participants listened to 8 high-quality conference presentations during the day. The next edition will be held on October 28, at Centre des Congrès de Lévis, under the theme: «Mieux s'outiller pour prendre le virage ensemble!»

We are also pleased to introduce a new opportunity this year: it is now possible to buy the webcast of the event. Go visit our website (pha.ulaval.ca) for further information.

Pharmacotherapy Day

On December 4th 2015, the 6th edition of Pharmacotherapy Day was held. This activity, for a continuous improvement, is organised by both Faculties of medicine and pharmacy of Laval University. This 6th edition was a real success, with more than 180 participants, whose 90 were pharmacists. The 2016 edition will be held on Friday December 2nd 2016.

Professional Development Week (PDW) 2016

At the latest edition of PDW, held on January 6-9 in Niagara Falls, about 50 students were there to represent our Faculty as delegates. Two students distinguished themselves at ACEIP/CAPSI contests. Congratulations to:

- Charles Monaghan-Sévigny (3rd year student) won the 4th prize at the National OTC competition.
- Audrey Champagne (3rd year student) won the 1st prize at the National Patient counseling contest. So she became the best Canada student in Patient-counseling for prescription medicines.

A special mention to the team composed of Sara Medina Kasani (1st year), Joseph Sidaoui (2nd year), Audrey Champagne (3rd year) and Kelly Lessard (4th



Annual Symposium of the Faculty held on October 28th, 2015

Scientific Day

On March 10th 2016, the 1st edition of the Scientific Day occurred at the Laval University. This event aimed at encouraging discussions and collaborations between researchers by regrouping all researchers of the Faculty of pharmacy in the same event. Various activities were proposed (conferences, workshops, plenaries, poster presentations and networking). This event was successful and similar meeting are expected, in the future.

year) which placed 2nd at Pharmafact Bowl, a competition about pharmaceuticals knowledge!

Also, Joseph Ariel Saliba (2nd year) participated at open debate competition. He was Laval University's delegate and his team won this contest. The discussion was about pharmacies with specialized services.



Charles Monaghan-Sévigny



Audrey Champagne

Pharmaide raised 8000\$ for Pharmacists Without Borders – Canada

Again this year, the fashion show organized by Pharmaide, a student committee, was a real success. Indeed, 300 guests were present to see students and staff members parade on stage! This student project raised 8000\$, thanks to partner's donations and sell tickets. This money will be given to Pharmacists Without Borders – Canada, to support a mission in Haïti.

STUDENTS NEWS

Laurence Guay received «Prix de leadership du centenaire» from APHC

The Faculty of Pharmacy wants to congratulate Laurence Guay, who is the *Prix de leadership du centenaire 2016* laureate. She also was invited to the annual APHC congress, which will be held in June in Calgary. This award is given annually to a 3rd year student who has good academic results, and also promotes actively his faculty and the profession of pharmacist.



Laurence Guay
(Photo taken by
Jean-François
Rivard)

David Echenberg awarded John H. Webster Memorial 2016 prize and The Governor General of Canada Medal

The Faculty would like to congratulate David Echenberg, a Pharm.D. student, for two distinctions received recently.



David Echenberg
receiving the medal from
the hands of Mr R al
Toupin (Photo provided
by Rendez-vous
classiques)

David won the John H. Webster Memorial 2016 award. David has been selected among a group of impressive candidates from all over the country. This award is given in recognition of a student's performance who complete a study program in pharmacy, and shown during these years, an interest or concern for geriatric medication management

David Echenberg is not only a pharmacy student, but also a virtuoso guitarist. David received The Governor General of Canada Medal, from the hands of Mr R al Toupin, singing teacher at *Conservatoire de musique de Qu bec* to highlight the excellence of his academic performance.

TEACHERS NEWS

Karine Cloutier and Fr d ric Poitras have been honored

During the 2016 edition of Galien, an annual variety show organized by pharmacy students, two professors have been honored by the students. Fr d ric Poitras received the Louis-Philippe Demers Award given to a lecturer in recognition of the excellence of his teaching. Karine Cloutier received the Alfred- mile Francoeur Award, which is given to the Faculty Career Professor in recognition of the excellence of her teaching. These awards are the result of a vote held by 4th year students.



Karine Cloutier,
Alfred- mile Francoeur Award winner



Jean Lefebvre
(dean) & Fr d ric
Poitras (Photo
taken by amber
Sibuet-Masson)

UPCOMING EVENTS IN 2016

Graduation Ceremony: June 11th
White Coat Ceremony: September 20th
Annual Symposium: October 28th
Evening of recognition and excellence: November 17th
Oral Presentation Day–Master Degree program in
Advanced Pharmacotherapy: November 25th
Research Day: November 30th

FACULTY NEWS

UNIVERSITY OF ALBERTA

Promotions and Leaves

Dr. Neal Davies has been appointed as Dean of the Faculty of Pharmacy and Pharmaceutical Sciences, for a five year term, effective September 1, 2016. Dr. Davies is currently the Dean of the College of Pharmacy, University of Manitoba.

Dr. Davies is a graduate of the University of Alberta (B.Sc., Pharmacy 1991) and (Ph.D., Pharmaceutical Sciences 1996). He spent time at the University of Calgary as a Post-doctoral Fellow (1996-1998) and as a lecturer at the University of Sydney (1998-2002). You can learn more about Dr. Davies by visiting the U of A's blog, [The Quad](#), and [UAlberta News](#). We welcome Dr. Davies back to the University of Alberta and look forward to working with him.

The university would also like to take this opportunity to express our sincere appreciation to Dean James Kehrer for his leadership of the Faculty of Pharmacy and Pharmaceutical Sciences over the past seven years.

Dr. Rene Breault was promoted to clinical associate professor, effective July 1, 2016. Rene is currently our Director, PharmD for Practicing Pharmacists, and is an accomplished teacher within our pharmacy programs. Congratulations to Rene on achieving this major milestone in his career.

Frank Hanta, Assistant Dean, Administration, has accepted a new position with Alberta Health Services. Frank has been with our faculty for about 6 years, and has done an outstanding job of managing the daily operations

of the Faculty. Frank will be missed, and we wish him well in his new position.

Dr. Tatianna Makhinova is joining our faculty on October 1, 2016, as an Assistant Professor in social and administrative sciences in pharmacy. Tatiana is interested in patient-centered pharmacist-delivered care and plan to continue developing interventions and evaluating their effectiveness. Her dissertation research is focused on development and evaluation of a patient-pharmacist partnership program to address patients' needs in asthma management. She has conducted the qualitative part of the project (pharmacist interviews) and is presently about to start collecting quantitative data (patient questionnaires).

Her research interests appear to be aligned with the division faculty such as enhancing collaborative care and the role of pharmacists in patient care. She is motivated to not only build on the existing initiatives, but also establish new patient care programs based on the needs of the community.

Her expertise in quantitative research using large claims databases can be effectively leveraged to collaborate with governmental/provincial health organizations in order to evaluate healthcare use and quality of care. Her teaching experience will be instrumental to support didactic needs of both professional and graduate curriculum.

She anticipates graduating from the University of Texas at Austin in Spring/Summer 2016.

Grants

Congratulations to this University of Alberta Interprofessional team for receiving the following grant: (members of Faculty of Pharmacy and Pharmaceutical Sciences are in bold)

Title: Building Capacity for Best-Practices in Assessment
Funder: UofA Teaching and Learning Enhancement Fund (TLEF), \$35 332.00

Co-PIs: Geoffrey Bostick and Teresa Paslawski

Co-Investigators: **Jill Hall**, **Ken Cor**, Mark Hall, LuAnne McFarlane, Chris Zarski, Mary Roberts, and Mark Gierl

Description: This grassroots project is an interdisciplinary collaboration between health sciences faculty (Faculty of Rehabilitation Medicine [Departments of Physical Therapy, Occupational Therapy, and Communication & Speech Disorders] and Faculty of Pharmacy & Pharmaceutical Sciences) and experts in assessment (Faculty of Pharmacy & Pharmaceutical Sciences and Faculty of Education) to efficiently generate test items through an item building framework linked to course and curriculum objectives and a shared assessment resource.

Congratulations to **Dr. John Ussher** who received a Heart and Stroke Foundation “Emerging Research Leaders Initiative” grant. This multi-partnered initiative aims to support the early career launch of new investigators for 3 years by providing establishment grant

Awards

Tasneem Siyam (supervisor Nese Yuksel) received a 2016 Graduate Student Teaching Award from the Faculty of Graduate Studies and Research.

Publications

Congratulations to our faculty members who authored the following publications:

Kutt A, Girard L, **Necyk C**, Gardiner P, Boon H, Barnes J, Vohra S. Natural health product-drug interaction tool: a scoping review. *Can J Pharm* 2016;149(2):75-82.

Schindel TJ, Yuksel N, Breault R, Daniels J, Varnhagen S, Hughes C. Perceptions of Pharmacists' Roles in the

General Faculty News

Dr Nese Yuksel and third year pharmacy student, Alyssa Schmode were interviewed on the Global Morning Show to talk about the free osteoporosis clinic at West Edmonton Mall for Pharmacy Awareness Month.

<https://twitter.com/GlobalEdmonton/status/706879545266143234>.



Pharmacist Awareness Month – Students in Action!

Pharmacist Awareness Month (PAM) this March has officially wrapped up at the University of Alberta! This year students chose to focus on engaging members of the public, politicians, and students with the world of pharmacy. The month of March kept students busy with various seminars, clinics, and community involvement activities. The month kicked off with the annual Blue and Gold Ball showcasing students’ talents to faculty members, pharmacy students, and pharmacy alumni. It then continued with a student run Osteoporosis Clinic at West Edmonton Mall; the clinic was a great way to

showcase the valuable role pharmacists play in helping patients maintain their health and wellness. Here students screened patients for osteoporosis risk factors and educated them on maintaining bone health.

ERA of Expanding Scopes of Practice. *Res Social Admin Pharm* (In Press; published online Mar 15, 2016). [http://www.rsap.org/article/S1551-7411\(16\)00054-1/abstract](http://www.rsap.org/article/S1551-7411(16)00054-1/abstract)

Sadoswki CA, Lyder C, **Yuksel N**. Beliefs and current practices of pharmacists with bisphosphonate use for osteoporosis in patients with renal insufficiency. *Can J Hosp Pharm* 2016;69(1):14-22.

Hicks D, **Schindel TJ**. Time changes things: Time as a linguistic resource for professionals in information-intensive fields. *Canadian Journal of Information and Library Science*, 2016, 40(1):1-26.

showcase the valuable role pharmacists play in helping patients maintain their health and wellness. Here students screened patients for osteoporosis risk factors and educated them on maintaining bone health.



A student run hypertension clinic was also held at the Alberta Legislature; it allowed students to engage with MLA’s and politicians, and showcased the valuable role pharmacists play in managing patients’ health.



Students also used this month to raise awareness about the availability of take home Naloxone kits and overdose prevention. A two-day Opioid and Naloxone Awareness booth was setup in the Students Union Building on campus allowing pharmacy students to educate students in other faculties on use of naloxone in overdose situations and other risk reduction strategies.

In order to give back to our patients and community, pharmacy students held a toy drive for the local Ronald McDonald house, and spent the afternoon interacting

with and cooking lunch for the families that live there. Additionally, as part of an initiative to help combat counterfeit medications students raised funds for plan Canada's Stock a Pharmacy, managing to stock \$11,000 worth of medication for pharmacies in developing countries, in order to combat counterfeit medications.

Overall it was a successful month that was made possible by the hard work of the Pharmacist Awareness Month Planning Committee and the preceptors who donated their time in order to make PAM a success.

UNIVERSITY OF BRITISH COLUMBIA

Celebrating Our Community of Change Makers: Alumni Agent of Change 2016



Credit: Photo by Ivan Yastrebov

On March 17, 2016, alumni and friends of the University of British Columbia (UBC) Faculty of Pharmaceutical Sciences celebrated the achievements of John Shaske, BSc(Pharm)'78, and Nicole Tsao, at the 2016 Alumni Agent of Change Event.

The event, held in the Robert H. Lee Alumni Centre and hosted by Dr. Michael Coughtrie, professor and dean, UBC Faculty of Pharmaceutical Sciences, paid tribute to John's outstanding contributions to pharmacy practice and patient care. The evening consisted of short, ted-style presentations with an opportunity for discussion, networking, and conversation among attendees, and concluded with a cocktail reception.

To read the full story visit
<http://pharmsci.ubc.ca/news/celebrating-our-community-change-makers>

UBC Health Informatics Event Welcomes International Experts



Credit: Photo by Ivan Yastrebov

Yeast in Space



Credit: Photo by Ivan Yastrebov

Since 2011, Nislow and his team of fellow researchers have sent three experiments to the International Space Station as part of a collaboration with the University of Colorado Boulder's BioServe Space Technologies and Duke University Durham Veterans Affairs Medical Center.

The goal of Nislow's research project is to learn about the effects of microgravity on a cellular level. By identifying how cells respond to the unique stressors of a space environment, NASA can learn more about how to keep humans healthy in space for longer time periods.

To read the full story visit
<http://pharmsci.ubc.ca/news/mission-possible>

On April 5, 2016, nine leading experts in the field of health systems data presented at the UBC Centennial Sessions Symposium on Health Informatics.

The sold-out event, co-hosted by the Faculty of Pharmaceutical Sciences and Faculty of Medicine, was held at the Life Sciences Institute and is part of a series of public events designed to commemorate the University's 100th anniversary.

Dr. Andrew Morris, professor of medicine, director of the Usher Institute for Population Health Sciences and Informatics, vice principal, Data Science, University of Edinburgh, and chief scientist Health Scottish Government, will present the keynote address. Dr. Morris' research interests span informatics and chronic diseases, specifically relating to the application of informatics to study the epidemiological and molecular aetiological basis of diabetes and its complications.

To read the full story visit <http://pharmsci.ubc.ca/news/big-data-health-care-and-creating-change>.

DALHOUSIE UNIVERSITY

Faculty News

Faculty of Health Professions Dean Will Webster will retire June 30th, 2016 and a search is underway for our new Dean.

Convocation for the Class of 2016 will take place on Thursday June 2nd, 2016.

Dr. Tasha Ramsey joined us in July 2015 in a 20% position, cross-appointed with the Nova Scotia Health Authority.

Dr Tannis Jurgens was awarded the rank of full professor, effective July 1st, 2015.

Dr Pollen Yeung is a member of the organizing committee for the International Conference on Hypertension and Health Care, Toronto, ON, Canada,

Grants

Dr Pollen Yeung has received pilot funding to investigate ATP metabolism in the RBC as a potential target and systemic biomarker for effective drug therapy against sepsis (Dalhousie University Faculty of Health Professions Research and Development Grant).

Drs. Andrea Murphy and **David Gardner** received funding from the Faculty of Health Professions Research and Development Grants for “Developing a prioritized research agenda in community pharmacy-based mental health and addictions care”.

Presentations

Dr Jennifer Isenor, Stillwell P, Harman K, Lawrence L, Curran J. Using the Theoretical Domains Framework in

Graduate Student Spotlight: Marysol Garcia Patiño
UBC PhD candidate Marysol Garcia Patiño on studying abroad, choosing a research path, and pursuing new treatments for diabetic patients suffering myocardial ischemia-reperfusion injury.

To read the full story visit <http://pharmsci.ubc.ca/news/graduate-student-spotlight-marysol-garcia-patiño>

Recent Publications

To view our latest publications, visit <https://pharmsci.ubc.ca/research/research-publications>.

August 11 – 12, 2016
<http://hypertension.conferenceseries.com/> and has become Editor-in-Chief, Cardiovascular Pharmacology Open Access, Omics Group Inc., Henderson, NV, USA.
<http://www.esciencecentral.org/journals/cardiovascular-pharmacology.php>

Social work clinic: The School of Social Work in our Faculty of Health Professions operates a clinic for those who may, for a variety of reasons, not have access to other health care avenues. Our faculty members are currently working with the clinic, with the goal of including some of our practice faculty to facilitate providing limited pharmacist services and hosting pharmacy student practice experiences. We plan to focus on collaborative activities that may transition to community practice.

Health Services Research: Multidisciplinary Perspectives. Innovation Exchange Series: Centre for Transformative Nursing and Health Research. Dalhousie University, Halifax, NS. March 29, 2016.

Dr. Andrea Murphy presented as part of a 3 member interprofessional panel with Dave MacNeil and Andrea Reynolds. The panel “Reliable and accessible health information” took place on February 10, 2016 at the Information Without Borders Conference, which was themed “Managing Health Information: Technologies and Strategies for the 21st Century”. The conference took place at Dalhousie University, Halifax, NS.
<http://iwbconference.informationmanagement.dal.ca>

Publications

Izenor JE, Alia TA, Killen JL, Billard BA, Halperin BA, Slayter KL, McNeil SA, MacDougall D, Bowles SK. Impact of pharmacists as immunizers on influenza vaccination coverage in Nova Scotia, Canada. *Hum Vaccin Immunother.* 2016 Feb 10 [Epub ahead of print]. PMID: 26863888

Black A, Guilbert E, Costescu D, Dunn S, Fisher W, Kives S, et al. Canadian Contraception Consensus (Part 3 of 4): Chapter 7 – Intrauterine Contraception. *J Obstet Gynaecol Can* 2016;38(2):182-222. (**AM Whelan** is a co-author; co-authors listed in alphabetical order)

Black A, Guilbert E, Costescu D, Dunn S, Fisher W, Kives S, et al. Canadian Contraception Consensus (Part 2 of 4). *J Obstet Gynaecol Can* 2015;37(11):S1-S39. (**AM Whelan** is a co-author; coauthors listed in alphabetical order)

Black A, Guilbert E, Costescu D, Dunn S, Fisher W, Kives S, et al. Canadian Contraception Consensus (Part 1 of 4). *J Obstet Gynaecol Can* 2015;37(10):936-8. (**AM**

Whelan is a co-author; co-authors listed in alphabetical order)

Shah V, Taddio A, McMurtry CM, Halperin SA, Noel M, Pillai Riddell R, Chambers CT and HELPinKIDS Team (Rogers J, Bucci L, Mousmanis P, Bowles S, Halpert C, Ipp M, Lang E, Rieder M, Robson K, MacDonald N, Asmundson GJ, Uleryk E, Antony M, Dubey V, Hanrahan A, Lockett D, Scott J, Volta Bleeker E.) Pharmacological and combined interventions to reduce vaccine injection pain in children and adults: Systematic review and meta-Analysis. *Clin J Pain.* 2015;31(10 Suppl):S38-63. doi: 10.1097/AJP.0000000000000281.

Taddio A, McMurtry CM, Shah V, Riddell RP, Chambers CT, Noel M, MacDonald NE, Rogers J, Bucci LM, Mousmanis P, Lang E, Halperin SA, **Bowles S**, Halpert C, Ipp M, Asmundson GJ, Rieder MJ, Robson K, Uleryk E, Antony MM, Dubey V, Hanrahan A, Lockett D, Scott J, Votta Bleeker E; HELPinKids&Adults. Reducing pain during vaccine injections: clinical practice guideline. *Can Med Assoc J* 2015Sep 22;187(13):975-82 . doi: 10.1503/cmaj.150391. Epub 2015 Aug 24.

Creedon R, Byrne S, **Sketris I**, Kenney J, McCarthy S. Nova Scotia nurse practitioners understanding of inappropriate prescribing and using a prescribing evaluation tool: A pilot study. *Journal of Nursing Education and Practice* 2016 (6):4.

[Persons' Potentially Inappropriate Prescriptions](#) [Criterion in Nova Scotia, Canada: Benzodiazepine and Zopiclone Prescription Claims by Older Adults with Fall-related Hospitalizations.](#) *J Popul Ther Clin Pharmacol.* 2016;23(1):e1-e12. Epub 2016 Feb 10.

Laurent Azoulay, Kristian B Filion, Robert W Platt, Matthew Dahl, Colin R Dormuth, Kristin K Clemens, Madeleine Durand, David N Juurlink, Laura E Targownik, Tanvir C Turin, J Michael Paterson, Pierre Ernst for the Canadian Network for Observational Drug Effect Studies (CNODES) Investigators. **Ingrid Sketris** is a CNODES investigator. Incretin based drugs and the risk of pancreatic cancer: international multicentre cohort study. *BMJ* 2016; 352 doi: <http://dx.doi.org/10.1136/bmj.i581>

Filion KB, Azoulay L , Platt RW, Dahl M, Dormuth CR, Clemens KK, Hu N, Paterson JM, Targownik L, Turin TC, Udell JA, Ernst P; CNODES Investigators – **Ingrid Sketris** is a CNODES investigator. A Multicentre Observational Study of Incretin-Based Drugs and Heart Failure. *N Engl J Med.* 2016 Mar 24;374(12):1145-54. doi: 10.1056/NEJMoa1506115.

[Tara Gomes](#), MHS [J. Michael Paterson](#), MSc, [Mariam Mukati](#), BSc, [David Henry](#), MB, and on behalf of the Canadian Network for Observational Drug Effect Studies investigators. **Ingrid Sketris** is a CNODES investigator. Retrospective analysis of trends in dispensing long-acting non-tamper-resistant oxycodone near the Canada–United States border. *CMAJ Open.* 2015 Apr-Jun; 3(2): E231–E235. Published online 2015 Apr 2. doi: [10.9778/cmajo.20140103](http://dx.doi.org/10.9778/cmajo.20140103)

Filion KB, Azoulay L , Platt RW, Dahl M, Dormuth CR, Clemens KK, Hu N, Paterson JM, Targownik L, Turin TC, Udell JA, Ernst P; CNODES Investigators **Ingrid Sketris** is a CNODES investigator. A Multicentre Observational Study of Incretin-Based Drugs and Heart Failure. *N Engl J Med.* 2016 Mar 24;374(12):1145-54. doi: 10.1056/NEJMoa1506115.

Hill-Taylor B, **Sketris I**, Gardner DM, Thompson K. [Concordance with a STOPP \(Screening Tool of Older](#)

Mossialos E, Courtin E, Naci H, Benrimoj S, Bouvy M, Farris K, Noyce P, **Sketris I.** [From "retailers" to health care providers: Transforming the role of community pharmacists in chronic disease management.](#) *Health Policy.* 2015 May;119(5):628-39. doi: 10.1016/j.healthpol.2015.02.007. Epub 2015 Feb 18.

Dr. Laura Minard recently published her hospital residency research for which she had received the 2015 CSHP (NS and NB Branches) Residency Award: **Minard LV, Deal H, Harrison ME**, Toombs K, Neville H, Meade A. Pharmacist perceptions of the barriers and facilitators to the implementation of clinical pharmacy key performance indicators. PLOS One <http://dx.doi.org/10.1371/journal.pone.0152903>.

Sara Rehan received the 2016 GSK/CSPS National Undergraduate Research Program Award to attend the CSPS Vancouver meeting and present on STOPP criteria and Parkinson's drugs on behalf of her co-authors Ingrid Sketris, Barbara Hill-Taylor, Heather Rigby, Kara Thompson. Title: Co-prescription of Antipsychotic and Antiparkinson Medications: Adherence to Guidelines and the STOPP (Screening Tool of Older Persons' Potentially Inappropriate Prescriptions) Criteria in Beneficiaries of the Nova Scotia Seniors' Pharmacare Program.

Megan Harrison presented a poster April 25, 2016 at the 2016 CCfV Symposium/ID Research Day entitled 'Point Prevalence Survey of Antimicrobial Use in Women's

Health and Paediatric Patients at the IWK Health Center in Halifax, Nova Scotia.

Drs. Andrea Murphy and David Gardner are thrilled to be welcoming Ms. Sarira El-Den, a PhD student from the University of Sydney, Australia, who will be visiting and studying at Dalhousie's College of Pharmacy from May until September, 2016. Ms. El-Den is funded through an Endeavour Fellowship and is also supported by funding led by Dr. Claire O'Reilly with co-investigators Drs. Tim Chen, **Andrea Murphy, David Gardner**, Beth Sproule, and Adil Virani from the International Program Development Fund.

Mia Losier won the 2016 AFPC Student Research Poster Award related to her work on point prevalence and antimicrobials and will present her poster at the AFPC meeting in Vancouver on behalf of her coauthors Megan E Harrison, Emily K Black, Heather L Neville, B Lynn Johnston, Kim A Abbass, Kathryn L Slayter, Ingrid S Sketris. Title: Point prevalence survey of antimicrobial use at the Queen Elizabeth II Health Sciences Centre in Halifax, Nova Scotia.

UNIVERSITY OF MANITOBA

Individual Faculty News

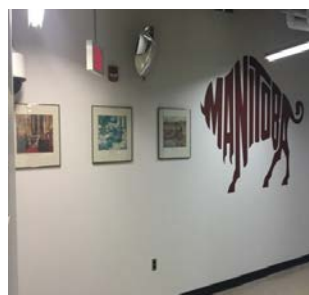
Dr. Neal Davies, College of Pharmacy Dean, has announced his resignation and will be leaving us at the end of August, 2016. He will be joining the University of Alberta, his alma mater, as the new dean of Faculty of Pharmacy and Pharmaceutical Sciences effective Sept. 1, 2016. Congratulations, Dr. Davies!

Dr. Emmanuel Ho was promoted to Associate Professor effective July 1, 2016. Dr. Shawn Bugden is the recipient of the University of Manitoba 2015 Merit Award in the Service category. Dr. Grace Frankel is the recipient of the University of Manitoba 2015 Merit Award in the Teaching category.

Faculty News and Events

The link for the PharmD Website is officially posted on the main Pharmacy site (from the "About" tab) at http://umanitoba.ca/faculties/health_sciences/pharmacy/. Chief Executive officer and President of Procurity Pharmacy Services Inc., Wayne Rivers, and the team at Procurity donated a pristine series of *Great Moments in Pharmacy* to the College of Pharmacy. *Great Moments in Pharmacy* is a series of paintings depicting Pharmacy's history conceived and directed by Pharmacist George A.

Bender (South Dakota State College Division of Pharmacy 1923). These oil paintings by artist Robert Thom were a collaboration to provide the profession of pharmacy with unique insights into its origins. It is a remarkable series of forty paintings of Pharmacy developments presented by Parke, Davis & Company in 1966. These glass framed replicas adorn the walls of the Apotex Centre providing a touch of class to our ground floor.



Grants

Dr. Grace Frankel received Teaching and Learning Enhancement funding for the project "*Validation of a Marking Rubric to Predict OSCE Licensure Scores in an Entry-to-Practice Pharmacy Program*" in the amount of \$6,000.00

Sheila Ng and Drena Dunford were awarded one of two District Five NABP/AACP grants to study "Incorporating Assessment and Prescribing for Ambulatory Ailments Skills Into Practice: Training Needs of Manitoba Pharmacists to Increase Application Into Practice."

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Appointments and Leaves

Dr. Carlo Marra has accepted the role of dean of the School of Pharmacy at the University of Otago in New Zealand. He will remain in his role as dean of the School of Pharmacy at Memorial until August 1, 2016. Dr. Lisa Bishop will then serve as interim dean and the search process for the permanent position has started. Dr. Marra helped advance several key priorities for the School, including the establishment of the upcoming PharmD program. We will miss him here!

Dr. Hai Nguyen has been appointed Assistant Professor, Tier 2 Canada Research Chair in Health Care Sustainability and Policy Evaluation. He will begin his position with the School of Pharmacy on September 1, 2016.

Dr. Beverly Fitzpatrick has been appointed Assistant Professor, Pharmacy Education (Assessment and Program Evaluation).

General Faculty News

The School planned a full month of promotional events for [Pharmacist Awareness Month \(PAM\)](#) this March. Highlights include several community outreach events and presentations, a Pharmacy Research Innovation Day, the grand opening of the Medication Therapy Services (MTS) Clinic, an event to showcase graduate research entitled [Snappy Synopsis: Pharmacy Graduate Research in a Nutshell](#), the annual [Public Pill Drop](#) and significant media coverage.

The [Entry-to-Practice Doctor of Pharmacy \(PharmD\)](#) program was approved through Memorial University Senate Committee on February 16, 2016. The first graduating class will begin their program in the Fall 2017 semester.

The Medication Therapy Services (MTS) Clinic held its grand opening on March 24, 2016. For more information on the MTS Clinic, please visit www.mtsclinic.ca

Grants

Congratulations to Dr. Debbie Kelly and Dr. Jason Kielly on receiving \$150,000 from the Canadian Institutes of Health Research (CIHR) to offer and measure the effectiveness of Point-of-Care-Testing (POCT) through community pharmacies for patients seeking HIV tests. The 18-month study, will evaluate the acceptability and feasibility of pharmacist-provided testing in Newfoundland and Labrador and in Alberta, including pharmacies in both urban and rural areas. For more information: <https://gazette.mun.ca/research/hiv-positive/>

Congratulations to Dr. Debbie Kelly for receiving \$75,000 from NL SUPPORT for transition of care research to be conducted through the Medication Therapy Services Clinic.

Student News

Graduate student Ms. Jennifer Donnan was the recipient of the Drug Safety and Effectiveness Cross Disciplinary Training Program (DSECT) Award. The training program bridges clinical therapeutics, active surveillance, administrative datasets, research methods, health services and policy, pharmaceutical policy, meta-analysis, and knowledge translation to better understand choosing, using and losing medications within the context of drug safety and effectiveness.

Major Visitors

Dr. Mohsen Sadatsafavi was the keynote speaker for the second annual Pharmacy Research Innovation Day, held on March 23, 2016 as part of Pharmacist Awareness Month.

UNIVERSITÉ de MONTRÉAL

WHATS NEW?

Meet Dr Gaétan Mayer, a newly appointed professor

The Faculty is very happy to welcome Dr Gaétan Mayer as a newly appointed professor. Directed by Dr Moses Bendayan, Dr Mayer has obtained a Ph. D. in pathology and cellular biology in 2005 and completed a postdoctoral degree with Dr Nabil G. Seidah at the Institut de recherches cliniques de Montréal, a world-renowned biomedical research centre. Previously professor at the Faculty of Medicine of the University of Montreal since 2010, his research focuses on the pathophysiological paths of obesity and on blood cholesterol regulation mechanisms. His team has recently identified new genes and proteins which could play a major role in the regulation of the adipose tissue and the metabolism of lipids.

3rd Advance Pharmacy Practice Symposium

The Faculty will be hosting on October 1st the 3rd Advance Pharmacy Practice Symposium. Through conferences, debates and workshops, this year edition will explore the role of community based pharmacists

2016 AFPC Award Recipients

This year three members of our faculty will be awarded at the 2016 AFPC Award Ceremony in Richmond, BC during the 2016 AFPC Canadian Pharmacy Education and Research Conference.

Jean-François Bussi eres, full professor, will receive the 2016 AFPC National Award for Excellence in Education, which recognize the development of innovative projects in education.

OUR PROGRAMS, OUR STUDENTS

5th edition of the *Acting for Health Symposium*: a clear success for our Pharm D Students

Through community-based social accountable projects, Pharm D Students has been leading pharmacy practice changes for the past five years in the Montreal-based communities. The *Acting for Health Symposium* has become a key crossroads to display students' projects and communicate their impact. Around the theme of urban and work place health, 400 students have teamed up to propose 40 innovative projects. Directed by professor Johanne Collin, a team of four professionals

within family medicine groups. During this event, the Faculty will acknowledge and recognize the dedicated involvement of numerous preceptors.

2015 Faculty of Pharmacy Main Publications

University of Montreal Faculty of Pharmacy has published in its last local newsletter a list of its professors' main publications for 2015, at:

http://pharm.umontreal.ca/fileadmin/documents/pdf/Pha/cteurs/PHACTEUR_Extterne_No10.pdf

Pharmacy Practice Research Unit

The Pharmacy Practice Research Unit (PPRU) directed by Professor Jean-Fran ois Bussi eres has participated at the first University of Montreal Social Media Symposium on November 20th. Their research project, funded by le Cercle du doyen, aims to develop best practices to support the online activities of healthcare professionals. This year contribution to the symposium allowed the team to display a video reflecting on the digital imprint of healthcare students.

<http://urppchusj.com/2015/11/20/empreinte/>

Warren Viricel, Ph. D. candidate in pharmaceutical sciences will receive the 2016 AFPC Graduate Student Research Award for the publication *Elaboration of lipids pH sensitive based on a conformational change for the delivery of hydrophilic active ingredients and genes*.

Marc-Andr e Renaud, student in the Advance Pharmacy Practice Residency Program, will be receiving the 2014-2015 AFPC Rx&D Student Research Poster Award.

provides guidance to the students (L ea Prince-Duthel, Aude Motulsky, Chantal Plante and Caroline Robitaille). Based on the following categories: social impact, scientific rigor, creativity and public choice, prizes are awarded at the end of the event.

Pharmaceutical Sciences Bachelor Degree

On April 28th, our Pharmaceutical Sciences Bachelor Degree 34 graduates presented their internship projects to the community and their peers in an atmosphere of celebration and offering their most beautiful smile.

Advanced Pharmacy Practice Residency Student Seminars

More than 120 students and pharmacists attended the 13th edition of the Advanced Pharmacy Practice Management Seminar. This year, 39 residents displayed their proposed solution to a key Pharmacy Practice management Issue.

From June 1st to June 3rd, the graduating Advance Pharmacy Practice Residents will be presenting their research work and results to the community and peers.

2016 Student Services Scholarship

On January 28th, during its annual event, the University of Montreal Student Services has awarded 170 scholarships. Eleven of them were awarded to faculty of

pharmacy students. This financial support was made possible by the involvement of individual and corporate donors as well as faculty members. Students were delighted, expressing their appreciation to our dean, Lyne Lalonde.



PROFESSIONAL DEVELOPMENT

MOOC for Professionals

As an interprofessional initiative designed for professional development purposes, the University of Montreal has launched, in 2015, a massive open online course (MOOC) on Clinical Reasoning. Developed by the Faculty of medicine, in association with the faculties of dentistry, nursing, pharmacy and veterinary, this initiative has already reached hundreds of clinicians

from 35 countries. Based on a clinical reasoning model published in Medical Education in 2012, this course can be joined by all. The current session ends on June 10, 2016.

Join for free:

<https://cours.edulib.org/courses/course-v1:UMontreal+PRC.2+P2016/about>
<https://youtu.be/BGpLcAwTpBQ>

UNIVERSITY OF SASKATCHEWAN

General Faculty News

After receiving U of S Senate confirmation on Saturday, April 23, the new Doctor of Pharmacy program has been officially announced to the public. The PharmD program will launch in fall 2017 to replace the Bachelor of Science in Pharmacy. [Read more.](#)

The College of Pharmacy and Nutrition is proud to present its Report on 2015. It was an impressive year for our faculty, students, and alumni, and the report highlights some of those accomplishments. [Read the report \[PDF\].](#)

Sask Night returns to the 2016 Canadian Pharmacists Association Conference in Calgary on Friday, June 24, at 9:00 pm. The event is held at Bottlescrew Bill's Pub, 140 10th Avenue SW. and all conference delegates are invited to the event.



Individual Faculty News

Congratulations to the following faculty members on their recent appointments and promotions:

- **Dr. Holly Mansell** - reappointed as Assistant Professor.
- **Dr. Charity Evans** - reappointed as Assistant Professor.
- **Dr. Azita Haddadi** - promoted with tenure to Associate Professor.
- **Dr. Jason Perepelkin** - promoted with tenure to Associate Professor.



Congratulations to **Dr. Jaris Swidrovich** on being named one of the CBC Saskatchewan Future 40. Jaris received the award in the teaching and healthcare categories. [Read more.](#)

Congratulations to **Drs. Shawna Berenbaum** and **Jaris Swidrovich** who received University of Saskatchewan Students' Union Experience in Excellence Awards on Sunday, April 3. [Read more.](#)



Congratulations to **Dr. Azita Haddadi** who has been shortlisted for the RBC Top 25 Canadian Immigrant Awards. She is one of 75 finalists and the only person from Saskatchewan.

Dr. Susan Whiting was keynote speaker at the One-day Symposium to Outline the Implications of New Research Data on Vitamin D from the ODIN Project for Public Health Policy and Food Innovation. Her talk was entitled “Improving public health through food – the ODIN approach as exemplar of best practice.” This

event took place at the European Commission, Brussels, Belgium, on Thursday, March 3.

Dr. Kishor Wasan participated in 'Patents, Trade and Access to Medicines' panel at the 2016 CMU-UAEM #HealthForAll Conference via Skype on Saturday, April 9. The event is organized by the Central Michigan University chapter of the Universities Allied for Essential Medicines.

Grants

“Determination of Posture and Fasting Effects on the Reproducibility of Readings from a New Instrument Estimating Vascular-Age.” - \$24,455 (for 2016/2017)
Fund: British Columbia Institute of Technology Discovery Parks Fund 2016

Investigators: Edmond Zahedi (PI, BCIT School of Health Sciences, Dept. Biomedical Engineering), Jochem Boehm (Co-I, BCIT School of Health Sciences, Dept. Biomedical Engineering), Connie Evans (collaborator, BCIT School of Health Sciences, Dept. of Nursing), **Ellen Wasan** (collaborator, Pharmacy and Nutrition, U of S)

Student News

Congratulations to pharmacy student **Lin Wang** and nutrition student **Amanda Geradts** on being part of the team that placed first at the National Health Care Team Challenge. [Read more.](#)



Congratulations to nutrition students **Lauren Kapphahn** and **Tenielle Koob** who received University of Saskatchewan Students' Union Experience in Excellence Awards on Sunday, April 3. [Read more.](#)

Congratulations to all of the students who participated in the 2016 Pharmasave-Rubicon Pharmacy Student Business Plan Competition. First place was awarded to the team Services Offered at Canada Safeway, and team members included **Arnold Crawford, Shelby Keifer, Jacob McCann, Brett McGillvray, Jessica Nimchuk, and Jay Solie**. The team planned to target at-risk groups and promote the use of medical compression stockings.



Pharmacist Awareness Month 2016 got off to a strong start at the U of S on Monday, February 29, with the ribbon cutting in the Health Sciences E-wing Atrium. Throughout the month, pharmacy students held information booth on campus and in the community on a number of different health topics. The Mr. Pharmacy Pageant was held on Friday, March 18, and raised \$3,697 for The Schizophrenia Society of Saskatchewan. Congratulations to second year pharmacy student **Brett Richter** on being named Mr. Pharmacy!

The Twenty-fourth Annual Academic Awards Ceremony was held on Sunday, March 20, in the Health Sciences Lecture Theatre. Thank you to **President Peter Stoicheff** for attending, and congratulations to all the students who received awards and scholarships.

Recent Publications

Caruncho, H.J., Brymer, K., Romay-Tallón, R., Mitchell, M.A., Rivera-Baltanás, T., Botterill, J., Olivares, J.M., Kalynchuk, L.E. Reelin-related disturbances in depression: Implications for translational studies (2016) *Frontiers in Cellular Neuroscience*, 10 (FEB), art. no. 48.

Das, U., Pati, H.N., Baráth, Z., Csonka, Á., Molnár, J., **Dimmock, J.R.** 1-[3-(2-Hydroxyethylsulfanyl)propanoyl]-3,5-bis(benzylidene)-4-piperidones: A novel cluster of P-glycoprotein dependent multidrug

PhD student **Pedram Rafiei** (Supervisor: **Dr. Azita Haddadi**) has received the College of Pharmacy and Nutrition's allocated Association of Faculties of Pharmacy of Canada/Rx&D Student Poster Award. He will now represent the College at the national poster competition, which will be held at the AFPC annual meeting from May 31 to June 2.

First year undergraduate pharmacy student **Meghanne Rieder** (Supervisors: **Drs. Kishor Wasan and Ellen Wasan**) is the recipient of the 2016 GSK/CSPS National Undergraduate Student Research Program Award for the College. She will represent the College at the annual CSPS conference in June.

resistance modulators (2016) *Bioorganic and Medicinal Chemistry Letters*, 26 (4), pp. 1319-1321.

Negash, C., **Whiting, S.J., Henry, C.J.**, Belachew, T., Hailemariam, T.G. Association between maternal and child nutritional status in Hula, rural Southern Ethiopia: A cross sectional study (2015) *PLoS ONE*, 10 (11), art. no. e0142301.

Whiting, S.J., Kohrt, W.M., Warren, M.P., Kraenzlin, M.I., Bonjour, J.-P. Food fortification for bone health in adulthood: a scoping review (2016) *European Journal of Clinical Nutrition*. Article in Press.

In The Media

Canadian Nurse featured an article by **Dr. Holly Mansell** and her colleague Mildred Nicol in March on an interprofessional SPEP rotation between pharmacy and nursing. [Read the article.](#)

Pharmacy students and CAPSI representatives **Kaitlynn Tress** and **Kelsey Joorisity** were on CFR 90.5 FM on Tuesday, March 1, to promote Pharmacist Awareness Month. [Listen to the interview.](#)

Nutrition graduate student **Noura Sheikhalzoor** talked to The Sheaf on Friday, March 4, about the potential for vending machines to provide healthy food. [Read the article.](#)

On Thursday, March 10, **Kaitlynn Tress** and **Kelsey Joorisity** were featured in an article by The Sheaf about Pharmacist Awareness Month and how students are helping people learn about the profession. [Read the article.](#)

Dr. Hassan Vatanparast and his colleague Dr. Alan Rosenberg were featured in a Wednesday, March 30, Children's Hospital Foundation of Saskatchewan blog about their study on the role of Vitamin D in treating chronic conditions like juvenile arthritis in young patients. [Read the blog.](#)

Dr. Kishor Wasan provided comment for a Wednesday, April 6, article in the Saskatoon StarPhoenix about the regional edition of the Sanofi Biogenius Canada competition at Innovation Place. [Read the article.](#)

Dr. Jonathan Dimmock was on News Talk 650 CKOM on Monday, April 11, to talk about the research he's leading which could yield more effective and less toxic chemotherapy drugs to treat cancer. [Listen to the interview.](#)

Global Saskatoon featured a news story on Tuesday, April 26, about the new Doctor of Pharmacy program at the University of Saskatchewan. [Read the article.](#)

Staff News

Jean Oakley joined the College on Monday, March 14, as the Clerical Assistant, Graduate Programs and College Administrative Support.

Diane Favreau, Administrative Officer for Undergraduate Affairs, is our first Staff Spotlight. She's one of the first people students meet when they join the college, and she continues to work with them through graduation. [Read more.](#)

UNIVERSITY OF TORONTO

General Faculty News

Associate Professor Emily Musing's parents' journey through the healthcare system was the inspiration for a collaboration between the Institute for Safe Medication Practices Canada, the Canadian Patient Safety Institute, Patients for Patient Safety Canada, the Canadian Pharmacists Association, and the Canadian Society for Hospital Pharmacists. Together, these organizations developed a set of five questions to help patients /caregivers start a conversation about medications to improve communications with their healthcare provider:

1. Have any medications been added, stopped, or changed, and why?
2. What medications do I need to keep taking, and why?
3. How do I take my medications and for how long?
4. How will I know if my medication is working, and what side effects do I watch for?
5. Do I need any tests and when do I book my next visit?

Read more at:

<http://www.pharmacy.utoronto.ca/newsfeed/musing-five-questions-03-16>

Developed in partnership with Cancer Care Ontario and leading experts in the field, Oncology for Pharmacists: A Person-Centred Approach to Caring for People Living with Cancer is the newest offering from the Faculty's Office of Continuous Professional Development. This program was designed to help pharmacists from all practice settings acquire knowledge, develop skills, and become more comfortable in caring for cancer patients. Divided into two components, Essentials of Oncology for Pharmacists and Advanced Oncology for Pharmacists Parts I and II, this program uses both online learning modules and in-person workshops to help practitioners gain confidence and enhance their knowledge and skills to deliver optimal care to patients with cancer. Learn more about this program at <http://cpd.pharmacy.utoronto.ca/oncology.html>

Each year, the QS World University Rankings assess universities from around the world, evaluating the institutions and their programs on their academic reputation, employer reputation, and research impact, which form the basis of their rankings. For the fourth time in five years, the University of Toronto’s Pharmacy and Pharmacology programs were named the best in Canada by the QS World University Rankings. U of T received high marks from the QS reviewers for its reputation as an academic institution, the standing of the program with employers reflecting the employability of its graduates, and two research-based categories – citations per paper and high index citations – that reveal the impact of papers produced by faculty members and researchers at the institution. Together, these diverse categories lead to high rankings for well-rounded programs with strong track records of success in teaching and research.

Grants

Assistant Professor Miranda So and Lecturer and Experiential Education Coordinator Certina Ho both received Canadian Society of Hospital Pharmacists Foundation Education Grants.

Dr. So’s project, “Development and Evaluation of Virtual Interactive Cases to Facilitate Clinical Reasoning Skills in Pharmacy Practice,” will seek to address a gap in the clinical decision-making process for pharmacists entering practice.

Dr. Ho’s project, An Evidence-Based Communication and Decision Guiding Tool to Evaluate the Complexities of QT Prolongation, will see the development of a user-friendly and easily accessible communication and knowledge translation tool to help guide pharmacists to make the best possible clinical decisions regarding QT prolongation.



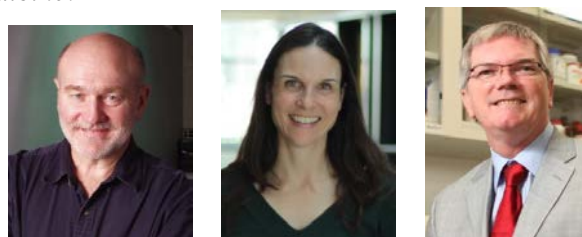
L-R: Miranda So and Certina Ho

Publications

Researchers from the laboratory of Professor Peter Wells discovered a novel function performed by the breast cancer 1 protein (BRCA1), which regulates DNA repair. “Breast cancer 1 (BRCA1)-deficient embryos develop normally but are more susceptible to ethanol-initiated DNA damage and embryopathies” appeared in a recent issue of *Redox Biology*.

in the *Journal of Nuclear Medicine*. PhD Student Eva Razumienko (supervised by Professor Reilly) and colleagues also published “Dual-Receptor Targeted Radioimmunotherapy of Human Breast Cancer Xenografts in Athymic Mice Coexpressing HER2 and EGFR Using ¹⁷⁷Lu- or ¹¹¹In-labeled Bispecific Radioimmunoconjugates” in the *Journal of Nuclear Medicine*.

To better understand healthcare expenses, newly appointed Assistant Professor Sara Guilcher and her colleagues asked “Who are the high-cost users? A method for person-centred attribution of health care spending,” which was published in *PLOS ONE*.



L-R: Peter Wells, Sara Guilcher, and Ray Reilly

Professor Ray Reilly published “Intratumorally Injected ¹⁷⁷Lu-Labeled Gold Nanoparticles - Gold Nanoseed Brachytherapy with Application for Neo-Adjuvant Treatment of Locally Advanced Breast Cancer (LABC)”

Professor Shana Kelley published “Image-Reversal Soft Lithography: Fabrication of Ultrasensitive Biomolecular Detectors” in *Advanced Healthcare Materials*, “Aptamer and “Antisense-Mediated Two-Dimensional Isolation of Specific Cancer Cell Subpopulations” in the *Journal of the American Chemical Society*, and “Sample-to-Answer Isolation and mRNA Profiling of Circulating Tumor Cells” in *Analytical Chemistry*.



Shana Kelley

Associate Professor Alison Thompson published “Bioethics meets Ebola: exploring the moral landscape” in the *British Medical Bulletin* and “Pre-Post Evaluation of an Integrated Return to Work Planning Program in Workers’ Compensation Assessment Clinics” in the *Journal of Occupational and Environmental Medicine*.

Professor Muhammad Mamdani and Assistant Professor Tara Gomes published “The Influence of Socioeconomic Status on Selection of Anticoagulation for Atrial Fibrillation” in *PLOS ONE* and “Antiepileptic

use for epilepsy and nonepilepsy disorders: A population-based study (1998-2013)” in *Neurology*.



L-R: Alison Thompson, Muhammad Mamdani and Tara Gomes

Awards & Recognition

Each year, the University of Toronto Alumni Association recognizes students who have made outstanding extra-curricular contributions to their faculty, college, or school, or to the university as a whole. This year, five graduating students from the PharmD and graduate programs received these awards for their exceptional contributions to improving the world around them and inspiring others to do the same: Mohamed El-Salfiti (PharmD), Caitlin McIntyre (PharmD), Andrew Sage (PhD), Joseph Samuel (PharmD), and Jessica Sawyer (PharmD).

Third year PharmD student Jessica Visentin and second year medical student Katherine Steckham, Co-Directors of the University of Toronto’s Interprofessional Seniors Outreach program, are the recipients of Canadian Health Infoway’s 2016 Student Interprofessional eHealth Award.



L-R: Joseph Samuel, Jessica Sawyer, Mohamed El-Salfiti, Caitlin McIntyre. Missing from photo: Andrew Sage



Postdoctoral Fellow Rucha Patel from Associate Professor Carolyn Cummins’ laboratory was recently honoured at the Endocrine Society’s 98th Annual Meeting and Exposition, as her abstract was selected as one of the top 15 extracts at the meeting, which garnered Dr. Patel a TED-style talk with the public.

At the Consortium of Universities for Global Health (CUGH) Global Health Conference, Master’s student Gabriela Martinez (supervised by Associate Professor Jillian Kohler) was recognized with the Lancet/CUGH Award for Best Student Poster in the Governance Track.

Student News

Students in the PharmD program were very active promoting the role of the pharmacist during Pharmacist Awareness Month. Throughout March, the students organized a number of events to promote the advances of the pharmacy profession and inform the public about the new and expanded services that pharmacists are now delivering in communities across the country.

These activities included: kids in medicine outreach in local schools, camps, and community centres to teach students about allergies and hand hygiene; panels on interprofessional education, global health, and diversity in the healthcare system; Toronto's Next Top Pharmacist competition; Pain Week activities; and outreach efforts on campus.



The Global Medicine Initiative is one of the Faculty's most popular student-run clubs. Advocating for international health and access to medicines at the local, national, and international level, this group organizes an annual fundraising gala. This year, speakers from *Medicins sans Frontieres* and *Universities Allied for Essential Medicines* highlighted the gala, which raised funds through auctions and raffles to support the *Medicins sans Frontieres* Access Campaign and international Advanced Pharmacy Practice Experience rotations for students in the undergraduate program.

The Pharmacy Pediatric Initiative hosted an event on campus to make surgi dolls for children about to undergo surgery. Child Life Specialists or Doctors use simple cloth Surgi Dolls as a tool to engage with children and help them prepare for surgery and other medical procedures at 14 hospitals in the Toronto area.

Pharmacy Arts Night is a highlight of the Faculty's social calendar, providing students in the PharmD program with the opportunity to showcase their artistic talents through an evening of visual arts, choral singing, and musical performances.



Children are encouraged to colour, decorate, and customize the dolls as they see fit. As a result, these dolls become the child's "hospital buddy" throughout their stay. Over 40 dolls were created as a result of this one-day event, making the hospital stays of children in our community that much better.



UNIVERSITY OF WATERLOO

Appointments

In December, Waterloo Pharmacy said farewell to **Barbara Rae-Schneider**, wishing her a happy retirement. Barb was the first Administrative Officer at the School of Pharmacy, serving in the role for nine years. Her dedication and tireless work ethic was essential to the School's success. Barb has our deepest gratitude and we wish her well in her retirement.

Dr. William Wong has joined Waterloo Pharmacy as an Assistant Professor. Dr. Wong's research focuses on infectious diseases modeling and health services and outcomes research, particularly in hepatitis B and C. Health services and outcomes research interests also include quality of life research, costing and return on investment.

Maria-Monica Tudorancea has joined Waterloo Pharmacy as a Research Technician. Monica is

Awards

Assistant Professor **Spagnuolo** made headlines worldwide last year for ground-breaking research on the use of avocado-derived molecules in combating acute myeloid leukaemia (AML). His work was recognized again at the American Society for Nutrition where he received the Mead Johnson Award which recognizes a young investigator for a single piece of outstanding nutrition research. Spagnuolo and his team's findings have the potential to significantly increase life expectancy and quality of life for AML patients. They discovered a lipid in avocados that fights AML by targeting the root of the disease – leukaemia stem cells.

Drug-Nutrient Interactions, a continuing professional development course developed by Waterloo Pharmacy faculty and staff from the University of Waterloo Center for Extended Learning, won the 2016 Canadian Association for University Continuing Education Award for Credit Programming under 48 Hours. The course is for pharmacists and other allied health professionals

PharmD Bridging Program

Waterloo Pharmacy is pleased to announce that its PharmD Bridging Program will see its first 15 graduates receive their degrees at the upcoming Spring Convocation ceremony on June 16, 2016.

The School welcomed the first group of alumni to this flexible and innovative distance education program in

responsible for the management and maintenance of all School of Pharmacy core research and teaching instrumentation/equipment and services. Monica supports these facilities and services ensuring that they remain safe, operational and available for use at all times for scientific and technical work.

Renate Donovan has been appointed to the School of Pharmacy as the Programmatic Assessment Manager. Working with the Programmatic Assessment Officer, Renate will have primary responsibility for the continuing development and execution of the Programmatic Assessment Plan, ensuring that the four components of the Plan, undergraduate degree program, faculty and teaching staff, experiential education, and continuing professional development, are effective for their intended purpose.

looking to enhance their knowledge of drug-nutrient interactions.

Graduate Student Awards:

- Post-doctoral fellow Collin Phipps (Edginton Lab) received an NSERC Postdoctoral Fellowship
- MSc candidate Matt Tcheng (Spagnuolo Lab) received an Ontario Graduate Scholarship
- MSc candidate Alessia Roma (Spagnuolo Lab) received a Mitacs Scholarship in collaboration with Therapure
- PhD candidate Nawaz Ahmed (Spagnuolo Lab) received a Mitacs Scholarship in collaboration with Advanced Orthomolecular Research
- PhD candidate Tarek Mohamed (Nekkar Lab) received the Paul Christie Memorial Price from the Ontario Mental Health Foundation

January 2015. We now have over 160 students enrolled in this part-time program in which our BScPhm graduates can complete courses required to achieve a PharmD degree. For more information, refer to the PharmD Bridging section of the School's website at: <https://uwaterloo.ca/pharmacy/welcome-pharmacy-alumni/pharmd-bridging-program>

Student News

Students run Pharmacy Awareness Month (PAM) classroom outreach

For many years, Waterloo Pharmacy has partnered with local schools to deliver PAM Outreach, a project where students conduct educational presentations in schools. Students performed presentations in five schools throughout the month, reaching an audience of over 500 students. Presentations covered smoking cessation, hand washing and medication safety, and both teachers and grade school children were thrilled to have future pharmacists in their classroom.



Interprofessional Education Day brings together 400+ students from four healthcare programs

In March, the first year class of pharmacy students travelled to the London Health Sciences Centre University Hospital for a day-long interprofessional education (IPE) event with Western University medicine and dentistry and Waterloo optometry learners. IPE Day was a joint event developed by Kevin Fung and Krista Helleman, physicians at LHSC and faculty at Western University Schulich School of Medicine and Dentistry, and Elaine Lillie, the School of Pharmacy's Director of Interprofessional Education and Curriculum Development. Featuring a patient and healthcare provider panel, a stereotyping activity, and two patient cases, the day enabled students to practice the kind of cross-discipline cooperation that is essential in the working world of healthcare.



Waterloo Pharmacy scores annual Ontario Pharmacists Association Cup

On Sunday March 13, the Waterloo School of Pharmacy welcomed the University of Toronto Leslie Dan Faculty of Pharmacy to our city. UofT Pharmacy joined us for the annual Ontario Pharmacist Association Cup, one of many student-organized events during Pharmacist Awareness Month 2016. This year Waterloo Pharmacy scored big – with an impressive 4-1 final score for Waterloo, our team made all of us proud. Great playing everyone!



Faculty News

Waterloo faculty research demonstrates that pharmacists are essential in influenza immunization battle

Pharmacists are key players in immunization efforts, with pharmacists in Ontario administering nearly a million flu vaccines in 2014/15. Professor Nancy Waite and Assistant Professor Sherilyn Houle co-lead the “Pharmacists as Immunizers” project under the Ontario Pharmacy Research Collaboration (OPEN), funded by the Ontario government’s Health System Research Fund. The multi-institutional research project examines uptake of vaccinations in pharmacies, exploring the impact that the service has on patients and

pharmacists by examining data from a variety of sources, including administrative health records, patient and pharmacist surveys, and focus groups.



Publications

Tarek Mohamed, Arash Shakeri, **Praveen P. N. Rao**, Amyloid cascade in Alzheimer's disease: recent advances in medicinal chemistry. *European Journal of Medicinal Chemistry*. 113, 258-272 (2016).

Tarek Mohamed, Arash Shakeri, **Praveen P. N. Rao**, Structure-activity relationship studies of isomeric 2,4-diaminoquinazolines on β -amyloid aggregation kinetics. *ACS Medicinal Chemistry Letters* (2016) DOI: 10.1021/acsmchemlett.6b00039.

Edginton AN, Zimmerman EI, Vasilyeva A, Baker SD, Panetta JC. Sorafenib metabolism, transport, and enterohepatic recycling: physiologically based modeling

and simulation in mice. *Cancer Chemother Pharmacol*. 2016. In press.

Maharaj AR, Edginton AN. Examining Small Intestinal Transit Time as a Function of Age - Is There Evidence to Support Age-Dependent Differences Among Children? *Drug Metab Dispos*. 2016. In press

Offman E, Phipps C, Edginton AN. Population physiologically-based pharmacokinetic model incorporating lymphatic uptake for a subcutaneously administered pegylated peptide. *In Silico Pharmacol*. 2016 Dec;4(1):3.

Offman E, Edginton AN. Pharmacokinetic Time Course Scaling of a Subcutaneously Administered Pegylated Peptide Conjugate for a First-in-Human Investigation. *Eur J Drug Metab Pharmacokin*. 2016. In press.

Continuing Professional Development (CPD)

Our CPD division continues to offer programs for pharmacists, pharmacy technicians, and allied health professionals. Current program offerings include:

Drug Nutrient Interactions:

- A unique online learning program for pharmacists, dietitians and other healthcare practitioners that improves your ability to identify, prevent, and manage clinically relevant drug-nutrient interactions
- The course's accreditation was recently renewed by the Canadian Council on Continuing Education in Pharmacy (CCCEP) for 8.00 CEUs and approved by Practice-based Evidence in Nutrition (PEN)®. The program is hosted by University of Waterloo Professional Development using the LEARN learning management system. System and software requirements are found on the [Systems Requirements website](#).
- To register, complete the [online registration form](#). Registration fee is \$95 for healthcare professionals. Discounts are available to those who qualify. Contact phrcpd@uwaterloo.ca for further information and discount codes.

Orientation to Pharmacy in Long-term Care and Residential Care Facilities:

- Offered by the Ontario Pharmacists Association (developed with the participation and support of University of Waterloo School of Pharmacy)

Management of Oral Anticoagulation Therapy:

- Offered in partnership with Waterloo Centre for Extended Learning and The Centre for Family Medicine

For more information, see the [Waterloo Pharmacy continuing professional development website](#)

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