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PRESIDENT'S MESSAGE

September means the start of another academic year with over 1,000 new student pharmacists beginning their studies across Canada. For some, the first few weeks will be eye-opening as they learn about a vision for pharmacy practice that is focused on patient care and may differ from what they thought the profession of pharmacy was all about.

I recently had the opportunity to attend a symposium in Toronto on the future for community pharmacy in Canada. Delivery of professional services was at the forefront of the discussion which included representatives from government, the insurance industry and the profession. Not surprisingly, academic pharmacy was viewed as having a major role in moving the focus of pharmacy from product to patient. A starting point is ensuring that we admit students that have the qualities necessary to excel in a patient-centred profession. Academic ability will always be important but patients will increasingly demand pharmacists who are great communicators with strong interpersonal skills and the confidence to make decisions that will improve their care. Our students need to possess these basic attributes coming in the door if our programs are going to successfully strengthen these qualities.

Obviously it is incumbent upon us to offer an up-to-date curriculum that provides students with the necessary knowledge, skills and attitudes to deliver the services included in an expanded scope of practice. A critical component of this will be enhanced experiential education. This may be our greatest challenge given the limited capacity of hospitals to take on the critical task of training students in the face of declining budgets and the small number of community pharmacists providing advanced patient care services that can serve as role models. The latter is a particular concern given that the majority of our students aspire to a career in the community, and community pharmacy is the visible face of the profession for young people considering pharmacy as a career.

Development and implementation of new PharmD curricula will help us solve some of these challenges and will be a priority at several of our institutions over the coming year. Meanwhile, the PEPC group and experiential staff at our individual universities will continue to develop creative solutions to ensure that our students receive experiential education of the highest quality. This will clearly be a busy year for all members of AFPC.

I am already looking forward to learning about our progress when we get together in Saskatoon in June 2014 to help celebrate the 100th anniversary of the Saskatchewan College of Pharmacy.

Sincerely,

AFPC President 2013-14

EXECUTIVE DIRECTOR'S CORNER

The major AFPC highlights since my last update include the successful staging of our 4th Annual Canadian Pharmacy Education and Research Conference (CPERC) and AFPC business meetings; finalization of the initial version of our pharmacists in training on-line informatics education program; and launch of our new website.

Executive Director Activities

AFPC Website redesign – Significant work on the website has occurred over the summer. The website design and development phase is near completion (behind schedule by 1 month). A new home page has been created with the following features; new navigation tabs, scrolling pictures, special portals for access (including access to member only portal), a “what’s new” section and a faculty links. The following main navigation tabs have been created; about AFPC, our faculties, meetings/events, resources, awards, advocacy, careers, and education program. Content dating back to 2010 has been loaded onto the new website (2009 and earlier content will be added later). The membership database has been loaded into the directory. Doreen and myself are working through a guided process of learning through transferring or adding content to the new site. The website will be previewed by members of the Council of Faculties and Council of Deans before the existing website is substituted and open for public viewing. The new website will be available to all faculty members and the public in early October.

Strategic Planning – The joint Council of Faculties voting members / Council of Deans strategic planning session was held on June 11. The current vision,

mission and goals were reviewed and suggestions were made for revising each. A joint Councils working group will be established to review suggestions and develop revised statements. This process should be completed and a revised strategic plan for the 2014 annual AFPC meeting. The session was externally facilitated by Karen Graham. A copy of the report from the session will be circulated to the members of both Councils.

External Meetings / Conferences – I attended the 2013 Canadian Pharmacists Association annual conference in Charlottetown and the 2013 American Association of Colleges of Pharmacy (AACP) annual conference in Chicago. The CPhA conference included a retirement party for Jeff Poston, a variety of high quality continuing professional development sessions and pharmacy practice research presentations. At the AACP conference the new educational outcomes were released www.aacp.org/Documents/CAPEoutcomes071213.pdf. The conference had the customary variety of subjects addressed by high quality presenters. The following is the web link to the conference program guide: www.aacp.org/meetingsandevents/AM/2013/Document/s/AM13-program-web.pdf.

AFPC Activities

CPERC 2013 – The 4th Annual Canadian Pharmacy Education and Research Conference “Leading Change through Innovation and Technology” was successfully held June 11-13 at Vintage Hotels on Niagara-on-the-Lake. There were 124 registrants. The conference revenues exceeded expenses. Copies of the final program and presentations will be available on the new AFPC website.

Board of Directors – The annual meeting of the AFPC Board of Directors was held June 10. The 2013-14 Board Executive is as follows; Dave Edwards (President / Waterloo), Kerry Mansell (Vice President /

Saskatchewan) and Jean Lefebvre (Treasurer / Laval). The other 2013-14 Board members are Michael Coughtrie (British Columbia), James Kehrer (Alberta), Silvia Alessi-Severini (Manitoba), Andrea Cameron (Toronto), Anne-Julie Frenette (Montreal), Rita Caldwell (Dalhousie), and Carla Dillon (Memorial).

The following selected agenda items were addressed at the annual meeting; approval of the 2012 financial statements and auditors report, and presentation of the proposed Canadian Pharmacists Association new governance model. Minutes will be circulated.

Council of Faculties – The annual meeting of the Council of Faculties voting members was held in two parts on May 29 and June 11. Incoming and outgoing voting members participated in the meetings. The major focus of the agenda was the review of standing committee reports. Minutes will be circulated. The following are the 2013-14 Council of Faculties voting members Executive; Silvia Alessi Severini (Chair / Manitoba) and Frederic Calon (Vice Chair / Laval). The other 2013-14 Council of Faculties voting members are Marion Pearson (British Columbia), Ann Thompson (Alberta), Kerry Mansell (Saskatchewan), Eric Schneider (Waterloo), Andrea Cameron (Toronto),

Anne-Julie Frenette (Montreal), Tanis Jurgens (Dalhousie), and Carla Dillon (Memorial).

Council of Deans – The Council of Deans held an interim business meeting on June 12. Minutes will be circulated. The Council of Deans 2013-14 Executive members are David Hill (Chair / Saskatchewan) and James Kehrer (Vice Chair / Alberta). The other 2013-14 Council of Deans members are Michael Coughtrie (British Columbia), Neal Davies (Manitoba), Heather Boon (Toronto), Pierre Moreau (Montreal), Jean Lefebvre (Laval), Linda Hensman (Memorial), and Rita Caldwell (Dalhousie). The Council of Deans will hold their annual meeting on October 6.

AFPC Initiatives / Programs

Experiential Education - The 2013-14 PEPC executive members are Angie Kim-Sing (Chair), Harriet Davies (incoming Chair), and Ann Thompson (past chair). Over the summer, the detailed workplan was developed and titled “Project Detailed Plan to Enhance Pharmacy Experiential Education in Hospitals and Primary Care”. In the 10 priorities (conducted over 3 plan phases) 70 key actions were identified. The detailed plan also identified who, when and the resources required for completing each action. The detailed plan was submitted to the Blueprint for Pharmacy for partial funding and will be reviewed by the Councils to determine AFPC funding, in-kind and shared contributions.

Pharmacists in Training on-line education program

The 2013 summer period has been a busy time for the project.

- The student award recipients completed their commitments to the project (end of August). Two students may be retained to provide continuing project support.
- A request was made to CHI to subdivide two project payment milestones. This will allow better cash flow to AFPC as the project nears completion.

- Submissions were received from the five authors (Grindrod, Bishop, De Haan, Perepelkin, Barnett). Our education program lead, Marie Rocchi, has been working with each author to post and make applicable revisions to the author’s materials.
- Zuberco was selected as the vendor for downloading and customizing the Moodle learning management system (LMS). Formatting of the content pages has been completed and content material has been transferred. A new domain (www.afpc-education.info) was acquired for this and future AFPC education programs.
- With content now available on the on-line program; Marie Rocchi, Donna Pipa and Harold Lopatka have been jointly viewing and reviewing the LMS material.
- Sessions are being organized to preview the on-line program with selected groups of stakeholders and potential users.
- We are still searching for a potential electronic medical record or electronic health record that could be used as a sandbox for use in the on-line education program.

Student Employment Survey – The 2nd annual AFPC student employment survey was completed. The following table shows some preliminary findings and comparisons between the 2012 and 2013 annual survey.

Measure	2012	2013
Number of participants completing survey	300	301
Number secured permanent or temporary full time pharmacist position	147	150
Number of pharmacy intern positions	71	83
Number in hospital pharmacy residency	51	48
Number unemployed as pharmacist	64	56
Number receiving regular salary from \$40-49.99/hour	85	87
Number receiving reimbursement for pharmacist professional fees	139	138
Number employed or expecting to be employed in community pharmacy sector*	178	245
Number expecting to be employed in urban setting*	NA	200

*Note that the questions were different in 2012 and 2013 surveys.

In the comparisons between the two years, there were more students in intern positions in 2013 and fewer unemployed students as pharmacists in 2013. The number employed or expecting to be employed in the community pharmacy sector or in an urban setting cannot be compared because of changes to the survey questions in 2013. Overall there appears to be no major differences for the selected measures between the two years. Further analysis of the survey will occur in partnership with CAPSI.

Program Evaluation / Assessment – The workshop program evaluation / assessment workshop was held on June 12. Approximately 50 individuals attended. The presenters were Cheryl Poth (overview), Beverly FitzPatrick (Memorial), Anne Marie Whelan (Dalhousie), Ema Ferreira / Chantal Pharand (Montreal), Sheryl Zelenitsky / Cheryl Kristjanson (Manitoba), and Ken Cor (Alberta). Copies of Powerpoint presentation slides are available on the

new AFPC website. As there was not enough time for the 3 planned workshop breakout sessions we will be following up through work groups. Please review the AFPC web link site for information about work groups. We are still looking for volunteer faculty members with an interest in assisting the work groups. If you are able and interested in participating in one of the work groups please contact Harold Lopatka email hlopatka@telus.net.

Other Activities

NAPRA competency statements – Terri Schindel continued as the AFPC lead representative for NAPRA’s review of the pharmacist and pharmacy technician competency statements. An adhoc AFPC work group made up of Terri Schindel (Alberta), Chantal Pharand (Montreal), and Peter Loewen (British Columbia) reviewed, met and provided feedback on multiple drafts of the pharmacist and pharmacy technician competency statements. A number of the AFPC suggested revisions were accommodated in the latest version of the NAPRA competency statements. The documents have been circulated to the two Councils.

and the Pharmacists’ Association of Saskatchewan to stage the Canadian Pharmacists Conference May 31- June 3, 2014 in Saskatoon. Kerry Mansell is the AFPC local conference planning lead. The general plan is for May 30 to be reserved for AFPC business meetings, May 31 for an AFPC education day, and June 1-3 for a shared education program. Also, 2014 is the 100th anniversary for the University Saskatchewan College of Pharmacy and Nutrition.

Specialized Pharmacy Residencies / Consultation with CHPRB – I participated in a discussion with CHPRB about standards for specialized hospital pharmacy residencies. CHPRB will be developing standards for specialized hospital pharmacy residencies and AFPC will be requested to review and comment on these standards.

Planning for CPERC 2014 – AFPC has committed to partnering with the Canadian Pharmacists Association

Specialization Task Group – This is an external group established to address the subject of specialization in pharmacy as a result of the Blueprint for Pharmacy action plan. The focus of the group is on specialty recognition. The group will be making a proposal to the Blueprint for Pharmacy about formally conducting a detailed needs assessment and developing a business case for a specialty recognition strategy in Canada.

The group is meeting every 4-6 months. It is made up of the Executive Directors from CCCEP, PEBC, CSHP and one of the CPHA Directors. I am participating in the group meetings.



AFPC Executive Director

We wish to acknowledge the following sponsors supporting AFPC. Thank you for your contributions.

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FACULTY SPOTLIGHT: UNIVERSITY OF ALBERTA

~~~DEAN'S MESSAGE~~~

I am very pleased to introduce this Spotlight article about the Faculty of Pharmacy and Pharmaceutical Sciences at the University of Alberta.

A lot has happened during my first four years as Dean. Most notable are the approval of our Post-Professional PharmD program with the entrance of the first group of students in September 2013, and our relocation into new facilities – the Edmonton Clinic Health Academy for our pharmacy practice faculty members, and the Katz Centre for Pharmacy and Health Research for our pharmaceutical sciences faculty members. Next year our final new space will be completed in the Medical Sciences Building. This space will house our administrative personnel and provide problem-based learning rooms as well as new pharmaceuticals and pharmacy practice teaching lab space. While technically we will be located in three different buildings, they are connected by skyways between buildings (a good thing in our winters!).

Other significant events during the past four years included the creation of a new strategic plan for the Faculty, the expansion of our experiential education unit, and development of a new assessment unit. We are also excited about our upcoming (2014) centennial celebration. More details are highlighted below.

One challenge has been the declining funding from the provincial government for four consecutive years. Nevertheless, we have been able to maintain program quality while increasing the support we give to the students for professional development activities. We are also pleased to be able to recruit some new faculty members both in pharmaceutical sciences and

pharmacy practice. We look forward to filling our Canada Research Chair and practice labs lead positions over the coming year.

Overall, the University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences has undergone a period of significant change, and will continue to evolve to maintain excellence in all of our programs. This will include expansion of our PharmD program and evolution of our BSc program into an entry level PharmD. We look forward to continuing to provide leadership in advancing the education of pharmacists in Alberta.



James P. Kehrer, Ph.D., Dean

“Salute our Past, Celebrate our Future” – Our Centennial Year Celebrations

Prepared by Lori Shockey, Director, Advancement and Alumni Relations

Contact: lori.shockey@ualberta.ca

In 2014, we will have reached a milestone of 100 years of pharmacy education in Alberta! We are extremely proud of our rich history and the incredible impact our

Faculty has had through our students, alumni and award winning faculty and staff. We have had a tremendous impact on both clinical and pharmaceutical research not only in Alberta, but nationally and internationally. To celebrate this milestone, we are planning a number of events that will be held throughout the year. Some of the events include a special White Coat Ceremony to kick off the year; an informative speaker’s series that will focus on both the clinical and research areas of our

Faculty; and a number of opportunities for our alumni to reconnect and reminisce with one another! Watch for more information on our Faculty website (www.pharm.ualberta.ca). We look forward to celebrating 100 years of excellence in pharmacy education in Alberta!



Undergraduate Program

Prepared by Terri Schindel, Associate Dean (Undergraduate Programs)

Contact: tschindel@ualberta.ca

Curriculum renewal is ongoing at the Faculty of Pharmacy and Pharmaceutical Sciences; the undergraduate pharmacy program has continued to evolve since the Faculty introduced an integrated modular curriculum in 2004. Our students are exposed to learning environments that include teaching by exceptional faculty members and instructors in the classroom and in practice settings in a province where there is an expanded scope of practice. Alberta has 4485 registered Clinical Pharmacists, including 327 authorized as prescribers and 2403 authorized to administer drugs by injection (Alberta College of Pharmacists, September 16, 2013). Our students have the opportunity to become certified to administer injections in the third year of the program at the U of A with support from faculty members and pharmacists working in community pharmacy settings. To ensure that the skills required for patient-centred care are being instilled in our students, we developed a framework to guide clinical skills education across all components of the program, beginning in year one and continuing through experiential rotations. A recent change in foundational clinical sciences instruction is the integration of anatomy with physiology in a blended online format. This approach is currently being used in the modules.

The Faculty offers a variety of elective courses for pharmacy students following their third year in the program. Students may choose among courses offered by the Faculty or by other departments at the university. Two relatively new Faculty-developed courses focus on interprofessional learning experiences: one in design and function of specific products to meet health care needs (taught at the University of Alberta campus) and another in global

health (taught at Fudan University, Shanghai). In another international elective course taught in Italy, the pharmacist's role and the relationships between culture, lifestyle, diet, and health are explored. This course was recently recognized by an AFPC Award. Other established elective courses offer instruction and learning experiences in the areas of management, therapeutics, research, analytic techniques, and patient care experiences.

The Faculty of Pharmacy and Pharmaceutical Sciences collaborated with the Alberta School of Business to develop a combined Masters of Business Administration (MBA)/BScPharm degree, which was first introduced in 2012. Students who opt for this program complete an additional year in the MBA program following completion of their third year in the pharmacy program. The MBA portion of the program requires 42 credits of study. Collaborations with other partners inspire us to improve our program and expose our students to unique learning opportunities and patient care scenarios. We work closely with Alberta Health Services and recently integrated their instructional materials for Medication Reconciliation into our practice skills labs. The Faculty works with the Health Sciences Research and Education Council at the University of Alberta to integrate interprofessional educational activities, including simulations, into the program. Another noteworthy project with the Centre for Writing involved evaluation of critical thinking/writing assignments and exploration of different writing genres used in the pharmacy curriculum.

As we look to the future, we continue to work on plans for an entry-to-practice Doctor of Pharmacy degree for all of our graduates. The introduction of the Post-professional Doctor of Pharmacy program (Fall of 2013) is laying the foundation for further evolution of our curriculum.

Post-Professional PharmD Program

Prepared by Catherine McCann, Director, Doctor of Pharmacy Program Contact: cmccann@ualberta.ca

On September 4, 2013, the University of Alberta welcomed its first students to the Post-Professional PharmD Program. The first cohort of ten students came directly from the Faculty's BScPharm program. Next year, the program will enrol practitioners as well.

The program has been designed to take between 12-14 months of full time study including classroom courses and clinical placements. The program goals are:

1. To prepare pharmacists to address professional and societal needs in a variety of practice settings.
2. To gain additional knowledge, skills and experience to practice pharmacy to full scope.
3. To enhance pharmacists' ability to confidently assume responsibility for managing drug therapy to achieve patient-centered outcomes.
4. To prepare pharmacists to actively engage in interprofessional practice in the health care community.
5. To further develop critical thinking skills and evidence-based decision making in practice.
6. To foster abilities for continuous professional learning.

Assessment

Prepared by Ken Cor, Director of Assessment
Contact: m.ken.cor@ualberta.ca

In 2012, the Faculty hired a new Director of Assessment with a PhD in Educational Psychology and specific expertise in measurement and evaluation. Working with the Assessment Committee, which is comprised of Faculty members representing pharmaceutical sciences, pharmacy practice, experiential learning and students, a new comprehensive assessment plan of our undergraduate programs has been developed. At the 2013 annual Faculty retreat in May, the main topics of how the assessment plan was created as well as teaching and learning in our program were discussed. In particular, the Faculty generated ideas on how to ensure the assessment plan included strategies for evaluating the effectiveness of teaching, learning, and assessment.

Currently, the assessment plan is built systematically to assess three main areas including: 1) The Academic

7. To develop additional skills for the education of patients, students and other health care professionals.
8. To prepare pharmacists to develop and implement innovative practices.

Graduates of this program will be prepared to deliver pharmacy services within the new scope of practice of pharmacists in Alberta including assessing patients in order to:

- Prescribe medications
- Administer medications by injections
- Provide medications in an emergency
- Provide refills of current medications
- Determine if current medication therapies are safe and effective

Bryan Alary highlighted the program launch on campus in the University of Alberta's News and Events. The link to the full story is here:

<http://news.ualberta.ca/newsarticles/2013/september/new-pharmacy-program-enhances-clinical-skills>

The program also received local news coverage.

Global TV:

<http://globalnews.ca/video/832308/pharmacy-skills>

CTV:

<http://edmonton.ctvnews.ca/video?clipId=1001727>

Program, 2) Student Experience, and 3) Faculty Experience. Our plan is designed to align with CCAPP accreditation standards and is intended to produce information that can be used to improve our program on an on-going basis.

The following is a sampling of new assessment activities that are currently being rolled out as we move forward with implementing the new plan:

- 1) Syllabus databasing for the purposes of curriculum mapping. In order to be able to see how the curriculum is being enacted and to be able to assess whether this aligns with the intended framework, a searchable and easily updatable electronic database of course syllabi is being developed. The system will be tested with 1st year coordinators this Fall and will be designed to collect lecture/lab/seminar level information about the knowledge and skills being taught in each course.

2) Yearly student cohort surveys. In the past, a single graduating survey was used as a way to assess student perceptions of their experiences in the program. While this survey remains an important part of the assessment plan going forward, the new yearly cohort surveys will generate more timely and meaningful information.

While the plan is intended to be a major step forward to ensure we are undertaking useful assessment activities, based on our experiences going forward, we will adapt the plan as needed.

Graduate Studies

Prepared by Dr. Scot H. Simpson, Associate Dean (Research and Graduate Studies)

Contact: scot@ualberta.ca

Research and Researchers

Research has always been the strength of the Faculty. Our Faculty is one of the largest Faculties of Pharmacy in Canada and one of the most diverse on campus in terms of the research interests of its academic staff. This diversity has resulted in numerous collaborations among Principal Investigators as they discover common themes and approaches within their research programs. The Faculty currently has over 20 tenured and tenure track professors, 17 clinical professors and 10 professors emeritus, along with 48 graduate students. The faculty has strong research in fields such as biotechnology, medicinal chemistry, pharmaceuticals, drug delivery, pharmacokinetics, drug metabolism, pharmacology, pharmacogenomics, toxicology, hospital pharmacy, clinical pharmacy, pharmacoepidemiology, pharmacy administration and pharmacy practice.

The Faculty's researchers attract approximately \$2 million annually in external research grants and contracts. The Faculty has also excelled in transferring its research technology to the marketplace. Many of the University's spin-off companies originated in the Faculty of Pharmacy and Pharmaceutical Sciences.

Graduate Studies and Research

The graduate program has been ranked among the top graduate programs in North America. Its first PhD graduate was in 1961, the first PhD degree granted by a School or Faculty of Pharmacy in Canada. In recognition of its flourishing Graduate Studies program in the pharmaceuticals, in 1968 the Faculty was renamed the Faculty of Pharmacy and Pharmaceutical Sciences. The Faculty offers MSc, and PhD graduate programs with specialization in either Pharmaceutical Sciences or Pharmacy Practice. There are a number of collaborations between the Faculty of Pharmacy and Pharmaceutical Sciences and other Faculties such as Medicine and Dentistry, School of Public Health, Nursing, Engineering, and Arts and Science.

Experiential Education in Alberta

Prepared by Ann Thompson, Director of Experiential Education

Contact: athompson@ualberta.ca

There have been many changes to the Office of Experiential Education in the last 3 years. First, in 2010, a Director's position was created to oversee the current and future Pharm D program. Ann Thompson was recruited to the position and subsequently the team expanded to better support the need for increased capacity with the start of the post-professional PharmD program in September 2013, and for an entry-level PharmD program in the future. Our team now consists of 4 full-time and 3 part-time faculty, and 1 administrative assistant. We have team roles for coordinating courses, students and preceptors, and all

team members take part in preceptor development activities. To better support the experiential program, an on-line database management software system (RxPreceptor) was purchased which provides multiple advantages, a major one being the ability of the preceptors to complete student performance assessments on-line.

Our initiatives to increase clinical placement capacity have resulted in securing clinical placements for the PharmD students in community/ambulatory practices, acute care practices, and team-based settings, as well as offer a specialty elective placement course (whereby students recruit their own preceptor) that allows students to gain experience in a non-direct patient care area. As the program increases its enrollment, we will further expand the variety of practice settings and preceptors.

Preceptor recognition and development has also been a priority. We now have formal preceptor faculty appointments, which acknowledge our preceptor's important role and provides access to our on-line library resources. One of these faculty appointments, Clinical Academic Colleague, provides library access for a 3-year term, in addition to other benefits, for consistent preceptors with our program. We have developed and delivered a 2.5-hour foundational (or introductory) live workshop to over 150 preceptors, provided a web-based module for preceptors about how our faculty teaches the

patient care process to students, and tips and tools for preceptors to use as they bring students into their practice setting. The third edition of our Preceptor Guide covers many aspects of our experiential program. All our resources for preceptors are located at: http://www.pharm.ualberta.ca/Experiential_Education/P_receptors/Training_and_Resources.aspx. We are now embarking on our second live preceptor workshop which will focus on Student Supervision, Assessment and Evaluation.

Undergraduate International Education Program

Prepared by Cheryl Cox, Undergraduate International Education Coordinator

Contact: cecox@ualberta.ca

Part of the exemplary programing for pharmacy students at the U of A includes two unique international courses which create discovery learning opportunities for fifty 4th year pharmacy students. These courses are faculty-led, meaning that members of our faculty partner with a University in another country to co-teach the course and engage our students with students from the host University. In Italy, students explore human rights issues of food security and access to food as well as the differences and similarities in pharmacy practice and education between the two countries. Sharing of curricular resources is occurring with the University of Naples to enhance sustainability of the international program.

Medicine create additional opportunities to compare the health care systems, the implications of social determinants of health and approaches to global health for the two countries. The undergraduate international program enhances inter-faculty collaborations in teaching and student centred learning, key strategic Faculty goals.

The partnership with China has resulted in an Interdisciplinary course for pharmacy and medical students from the U of A and public health students from Fudan University in Shanghai. The field trips in collaboration with Shanghai Municipal Health Bureau and the Shanghai University of Traditional Chinese



Int D 457 China Collaboration - July 2013 Class picture, taken at Fudan University

Student Initiatives

Prepared by Jon Tong, VP External, Alberta Pharmacy Student Association (APSA)

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The Alberta Pharmacy Student Association's (APSA) involvement in the community consists of a repertoire of initiatives. To kick the year off, APSA participates annually in the CIBC Run for the Cure. The University of Alberta Pharmacy team, headed by APSA's CAPSI representatives, consistently places as one of the top fundraising education institutions for this event. In 2011

and 2012, students have raised over \$13,000 in funds towards breast cancer research.



Mr. Pharmacy is another major fundraiser organized by APSA. This event is a partnership between APSA, Prostate Cancer Canada and other contributing bodies with the goal of raising funds and awareness for male mental health and prostate cancer. Started in 2010, Mr. Pharmacy raised over \$6,000 in the first year of its unveiling, \$11,000 in sponsorships in 2011, and over \$18,000 in 2012.



APSA also participates in community education initiatives, as its members regularly frequent primary and secondary schools in order to teach children and adolescents about common health topics such as: hand washing, tobacco use, flu and cold as well as medication safety.

Volunteering at the Ronald McDonald Northern House and the Hope Mission Centre is also a common practice led by APSA.

In 2012, APSA was included as part of an interprofessional health initiative in collaboration with the Medical Student's Association, Dentistry Students' Association and the Nursing Undergraduate Students' Association, that included food bank and blood donations.

Each March, APSA plans events for the public in Pharmacy Awareness Week. During this week, APSA organizes student volunteer-based clinics such as blood pressure and bone density clinics to the public, in order to raise awareness on health concerns and pharmacy awareness. This year, the event has expanded to Pharmacy Awareness Month, and APSA is geared to grow its involvement.



FACULTY NEWS

UNIVERSITY OF ALBERTA

New Opportunity:

Congratulations to **Dr. Ayman El-Kadi** who is now the new Dean at Qatar University's College of Pharmacy for a 2-year term. **Dr. Scot Simpson** has accepted the position of Associate Dean for Research and Graduate Studies for a two-year term.

Departures:

Dr. Lars-Oliver Klotz left our faculty on September 1, 2013. Dr Klotz was an Associate Professor with the Pharmaceutical Sciences Division and also held a Canada Research Chair position. He will now be the new Department Chair for the Department of Nutrigenomics at the Institute of Nutrition, Friedrich-Schiller-University Jena, Germany. The faculty is sad to see him leave and wishes him all the best in his new

position.

On-Leave:

Dr. Michael Doschak is on a 1-year sabbatical which started Summer 2013.

Prof. Candace Neczyk started her maternity leave in August, and welcomed a new baby girl, Elliot (Ellie) Elizabeth into her family on August 30. Congratulations Candace.

Profs Sheila Walter and Ravina Sanghera, and **Ms. Alix Peterka**, Administrative Coordinator, Experiential Education are all expecting babies in the fall or winter months. Congratulations to all.

New appointments:

The faculty would like to extend a warm welcome to **Dr. Renette Bertholet** to a full-time position at the Faculty (increased from 0.5 FTE). Renette joined our Faculty in Fall 2012 with the experiential education team as a Preceptor/Site Coordinator for community pharmacists. This summer, she accepted a full-time position and will now, in addition to her experiential education role, be coordinating both the pulmonary module and the winter term of our 2nd-year skills lab course. She comes to us with a BSc in pharmacy from

the University of Alberta, as well as a PharmD from the University of British Columbia.

Mr. Hugo Leung and **Ms. Betty Law** have joined the faculty part-time for the upcoming year as facilitators for our Skills Labs courses in 2nd and 3rd year. They bring a background of community pharmacy practice and will be involved with lab facilitation, case development and marking to support the course coordinators.

Awards:

Congratulations to the following award winners:

Dr Dion Brocks who was awarded Fellow from the Canadian Society for Pharmaceutical Sciences.

Dr. Cheryl Sadowski received 2 awards: the Patient Care Achievement Award for Specialty Practice from the Canadian Pharmacists Association and the Presidential Poster Award: Clinic Trials from the American Geriatrics Society.

Cheryl Cox, Dr Cheryl Sadowski, Marlene Gukert, Shirley Heschuk and Dr Hoan Linh Banh for receiving the 2013 AFPC-Janssen Innovation in Education Award.

Dr. Michael Doschak received the Faculty of Pharmacy and Pharmaceutical Sciences' Teaching Excellence Award.

Grants:

Dr. Dion Brocks (PI): AIHS Bridge Funding for the project "Investigating the impact of obesity on proteins involved in drug disposition", \$40,000 for 1 year.

Dr. Ayman El-Kadi (PI): CIHR funding for the project "Role of cytochrome P450 enzymes in pathogenesis of cardiac hypertrophy", \$647,361 awarded over five years

Dr. Paul Jurasz (PI), (Dr. Kenneth Butcher (Co-PI, Faculty of Medicine, Division of Adult Neurology): CIHR funding for the project "Characterization of platlet subpopulations based on heterogeneity of NOS signaling: significance of hemostasis and thrombosis", \$438,527 awarded over four years

Dr. Michael Doschak (PI), Dr. Wayne Giles (Co-PI): Sponsored by Pure North S'Energy Foundation for the project "New Approaches for Optimizing and Documenting Vitamin D Effects on Bone Health", \$140 000 over 2 years.

General Faculty News:

Dr. Michael Doschak has taken on a collaborative project to test the effectiveness of natural compounds. Mitacs-Accelerate, a national, not-for-profit research organization, approached him to test and measure the effectiveness of SinoVeda's calcium supplement product. Doschak and his team of Mitacs- Accelerate interns developed a state-of-the-art method to trace strontium compounds in the bone, which behave similarly to calcium but are much easier to detect.

Dr. Lisa Guirguis (along with Dr. Sherrill Johnson) delivered the Blueprint for Pharmacy's first webinar on both September 16 and 17, 2013. It was titled: Connect and CARE: Helping pharmacists engage with their patients. This **free, live interactive webinar** shared the development of the Connect and CARE model for

increasing patient-pharmacist engagement and guided participants through applying the concepts and tools.

Several of our undergraduate students received the following awards:

Jenny Carbon (Class of 2015) and Joshua Torrance (Class of 2014), Dean of Pharmacy and President of APSA's Award for Excellent in Community Service sponsored by the Alberta Pharmacy Student Association (APSA) and the Faculty of Pharmacy and Pharmaceutical Sciences

Joey Ton, Class of 2013, Dedication to the Profession Award, sponsored by the Alumni Association

Emily Yu, Class of 2014, Citizenship Award, sponsored by the Alberta College of Pharmacists

Tara Leong, Class of 2014, Councillor's Award, sponsored by Wal-Mart

UNIVERSITY OF BRITISH COLUMBIA

UBC Faculty of Pharmaceutical Sciences unveils new Pharmaceutical Sciences Sequencing Centre

The University of British Columbia (UBC) Faculty of Pharmaceutical Sciences unveiled its new Pharmaceutical Sciences Sequencing Centre (PSSC) on April 26, 2013. The PSSC is a dedicated facility for sequencing human genomes and exomes in order to support disease diagnosis, prognosis and therapy. Consisting of three integrated labs designed with future clinical applications in mind, the PSSC is equipped with a High Output Instrument which is capable of generating two terabytes of genetic information – the equivalent of three whole genomes – and 24 exomes, per week. It is also equipped with a Rapid Personal Sequencer capable of sequencing one exome daily. The Faculty has secured lab partnerships with Mt Sinai Medical Centre/New York Genome Centre for genome and exome analysis and a Canada Foundation for Innovation funded Compute Canada Calcul WestGrid that will provide 150 terabytes of data storage.

Pharmaceutical Sciences Building Wins Additional Awards

The Pharmaceutical Sciences Building has recently won the following awards:

- Northwest Wall & Ceiling Bureau (NWCB) Outstanding Projects of the Year 2013 Award for best Suspended Ceiling
- Ontario Association of Architects Best in Show Award

Faculty members honoured in the 2013 Canadian Society for Pharmaceutical Sciences Awards

Drs. John McNeill and Kishor Wasan; graduate student Andrea Wan; and adjunct professor Dr. Ellen Wasan, were honoured in the 2013 Canadian Society for Pharmaceutical Sciences (CSPS) Awards. **Dr. John McNeill**, professor and dean emeritus, has been awarded the CSPS Lifetime Achievement Award. This award recognizes Dr. McNeill's significant contributions to pharmaceutical sciences research. **Dr. Kishor Wasan**, professor and associate dean, Research & Graduate Studies, has received a CSPS Fellow Award. This title is

Pharmaceutical Sciences Building Turns One Year Old

The Pharmaceutical Sciences Building celebrated its first anniversary on September 18, 2013. Over the past 12 months, the Pharmaceutical Sciences Building has hosted several health sciences conferences, professional association meetings, and community events including the first ever Medication Reconciliation Interprofessional Event (IPE), Canadian Society for Pharmaceutical Sciences (CSPS) 2013 Annual Meeting, and 2013 Sanofi BioGENEius Challenge Canada.



Photo Credit: Ivan Yastrebov

awarded to CSPS members who are “deemed to have made a meritorious contribution to the advancement of science” (CSPS Bylaw). Graduate student Andrea Wan, from the lab of **Dr. Brian Rodrigues**, has been awarded the CSPS 2013 National Summer Student Research Program Award sponsored by GlaxoSmithKline Inc. **Dr. Ellen Wasan** is a recipient of the 2013 Gattefossé Canada CSPS Award in Lipid-Based Drug Delivery for her work on the paper A Novel Tropically Stable Oral Amphotericin B Formulation (iCo-010) Exhibits Efficacy against Visceral Leishmaniasis in a Murine Model, published in PLOS Neglected Tropical Diseases.

Dr. Michael Coughtrie Officially Begins Term as Dean



*Michael Coughtrie, PhD, Professor and Dean
Photo credit: Martin Dee*

Dr. Michael Coughtrie officially began his term as Dean of the Faculty of Pharmaceutical Sciences at UBC on August 1, 2013. Born in Glasgow, Scotland, he received his BSc (Biochemistry) in 1983 and PhD in 1986 from the University of Dundee where he also began his professional teaching and research career based in the School of Medicine there. In 2003, Dr. Coughtrie was awarded a Personal Chair in Biochemical Pharmacology and became head of the Division of Pathology and

Neuroscience. In 2008, he assumed the role of Director, Division of Medical Sciences and in 2011 he accepted the appointment of Operations Director of the Medical Research Institute.

His extensive teaching experience encompasses the development and implementation of a number of course modules in the fields of Medicine, Dentistry and Science. As a researcher focusing on the roles of two major families of drug metabolizing enzymes, he has supervised numerous PhD and postdoctoral students, been invited to speak at over 70 international meetings and conferences, and has received more than 70 competitive research grants and contracts. In addition, Dean Coughtrie is an accomplished author, having written more than 170 papers, articles, book chapters, and abstracts appearing in publications such as *The Biochemical Journal*, *The Journal of Biological Chemistry* and *Drug Metabolism & Disposition*.

Throughout his career, Dr. Coughtrie has volunteered his significant senior management experience and passion for the pharmaceutical sciences to a number of different boards, committees and professional associations and serves on the editorial boards of publications including *Pharmacogenetics & Genomics*, *Xenobiotica* and *Biomarkers*.

Faculty of Pharmaceutical Sciences and AbbVie launch innovative Professorship in Medication Adherence

On June 20, 2013, the Faculty and AbbVie announced the appointment of Dr. Mary De Vera as Assistant Professor, Recipient of the Professorship in Medication Adherence with UBC Faculty of Pharmaceutical Sciences. The objective of the Professorship is to conduct research and share knowledge and best practices on medication adherence and its connection to improved health outcomes and health care sustainability. The Professorship will include such innovative techniques as developing the first ever "living laboratory" whereby practicing pharmacists will learn new skills in working with patients on adherence issues. Dr. De Vera will be educating students and health care practitioners with an increased emphasis on the clinical skills required to support medication adherence; building strong inter-professional teams to create and implement successful models of adherence; and identifying practical adherence approaches to ensure optimal patient care.



Dr. Mary De Vera, Assistant Professor and recipient of the AbbVie Professorship in Medication Adherence, speaks to a group of people during the official launch of the Initiative for Medication Adherence at UBC in Vancouver, B.C. June 20, 2013. Photo by Jeff Vinnick/CNW/AbbVie (CNW Group/The University of British Columbia Faculty of Pharmaceutical Sciences)

Faculty Honours Preceptors with Practice Educator Awards

Four preceptors from across British Columbia have received Pharmacy Practice Educator awards from the Faculty. Michael Lam and Duncan Mackay received the Advanced Pharmacy Practice Experience (APPE) Community Award, and Marilyn Boyce and Paul Polachek received the APPE Institutional Award. The

Awards & Honours Update

To view a complete list visit <http://www.pharmacy.ubc.ca/aboutus/awards-honours>.

Seungil Paik - winner of the UBC Faculty of Pharmaceutical Sciences Four Year Doctoral Fellowship (4YF).

Dr. Mary Ensom - elected to a 3-year term as Research Institute Trustee of the American College of Clinical Pharmacy (ACCP), a professional and scientific society of more than 12,000 members.

Dr. Kishor Wasan - Award for outstanding performance as AAPS Student Chapter Faculty Advisor, 2012-2013.

Dr. Peter J. Zed - received the Top Pediatric Abstract Award at the 2013 Canadian Association of Emergency Physicians Annual Scientific Meeting for "Medication-Related Emergency Department Visits in Pediatrics: A Prospective Observational Study" Zed PJ (PI), Black KJL, Fitzpatrick EA, Ackroyd-Stolarz S, Murphy NG, Curran JA, MacKinnon NJ, Sinclair D.

Natalie McCormick (PhD) - recipient of the 2013 Andrew Nord Fellowship in Rheumatology

Publications Update

To view a complete list visit <http://www.pharmacy.ubc.ca/aboutus/publications>.

D. Sharma, A. J. Lau, M. A. Sherman, T. K. H. Chang. Agonism of Human Pregnane X Receptor by Rilpivirine and Etravirine: Comparison with First Generation Non-nucleoside Reverse Transcriptase Inhibitors. *Biochemical Pharmacology* 85: 1700–1711, 2013.

W.V. Norman, V. Leung, K. Nuernberger, S. Dunn, J. Soon. Sexually active youth in Canada: regional variations in pregnancy risk, from the 2009–2010 Canadian community health survey. *Contraception*, Volume 88, Issue 3, September 2013.

Taylor R, Jung J, Loewen P, Spencer C, Dossa A, de Lemos J. Online versus Live Delivery of Education to Pharmacists in a Large Multicentre Health Region: A

recipients were honoured at a luncheon on May 28, 2013 where they received a plaque sponsored by the Faculty. The awards are presented to preceptors demonstrating outstanding dedication and commitment. Preceptors are nominated by their learners and awards are given in two categories, community and institutional, based on the area of practice.

Non-inferiority Assessment of Learning Outcomes. *Can J Hosp Pharm* 2013;66:233-240.

Patricia Gerber and Roxane Carr (2013). A Pharmacokinetics Module Taught Within a Pediatrics Pharmacotherapy Course. *American Journal of Pharmaceutical Education*: Volume 77, Issue 6, Article 126. doi: 10.5688/ajpe776126

Wall BF, Magee K, Campbell SG, Zed PJ. Capnography versus standard monitoring for emergency department procedural sedation and analgesia (Protocol). *Cochrane Database of Systematic Reviews* 2013, Issue 8. Art. No.: CD010698. DOI: 10.1002/14651858.CD010698

Presentations Update

To view a complete list visit <http://www.pharmacy.ubc.ca/aboutus/presentations>.

Dr. John McNeill - "CSPS Lifetime Achievement Award Lecture: Fructose Ingestion, Hypertension and the Metabolic Syndrome," Canadian Society for Pharmaceutical Sciences Annual Symposium, June 12, 2013, Vancouver, Canada.

Dr. Corey Nislow - "Simultaneous Translation: Opportunities and Challenges for Next Generation Pharmacogenomics," Canadian Society for Pharmaceutical Sciences Annual Symposium, June 14, 2013, Vancouver, Canada.

Dr. Carlo Marra - "The Potential for Value for Money with Pharmacogenomics," Canadian Society for Pharmaceutical Sciences Annual Symposium, June 14, 2013, Vancouver, Canada.

Dr. Adam Frankel - "N η -substituted arginyl peptide substrates as molecular probes of protein arginine N-methyltransferase activity," Department of Drug Design and Pharmacology Seminar, June 19, 2013, Copenhagen, Denmark.

Dr. Kishor Wasan - "The Use of Lipids to Develop a Novel Oral Formulation of Amphotericin B," Drug Research Academy (DRA) Symposium, June 20, 2013, Copenhagen, Denmark.

DALHOUSIE UNIVERSITY

Partnering for pharmacist prescribing and public interest

In June 2013, several pharmacists from the Maritimes visited Robert Gordon University (RGU) in Aberdeen, Scotland, UK. This visit was part of the ongoing need to provide training to Maritime Pharmacists who are prescribing for minor-ailment conditions.

Pharmacists in Nova Scotia have been given the authority to prescribe for patients with a variety of minor conditions such as dyspepsia, cough and smoking cessation www.nspharmacists.ca. To support the provision of this new professional service, Dalhousie Continuing Pharmacy Education (Dal CPE) has provided prescribing education programs over the last few years. Several members of the Dalhousie College of Pharmacy (Dal CoP) have also been involved in initiatives related to pharmacy prescribing including a CIHR funded prescribing workshop led by **Dr Ingrid Sketris** where faculty from RGU participated.

Dal CPE partnered with the Dal CoP and with the New Brunswick Pharmacists' Association (NBPA) to put a team of five pharmacists together to travel to Aberdeen to participate in the "Pharmacist Independent Prescribing Course" [http://www.rgu.ac.uk/health-professions/study-options/distance-and-flexible-learning/pharmacist-](http://www.rgu.ac.uk/health-professions/study-options/distance-and-flexible-learning/pharmacist-independent-prescribing)

[independent-prescribing](#). Pharmacists in Scotland have been prescribing for many years and are required to take this course before having the authority to provide prescribing services. **Harriet Davies** (Dal CoP), Andre Hache (NBPA), **Diane Harpell** (Dal CPE), Dan Pike (NBPA), and **Kim Sponagle** (Dal CoP) all completed the one week residency portion of the course and reviewed the course online pre-work.

The visit to Scotland allowed the team to gain insight into pharmacist prescribing in a region where prescribing is well-established. The team gained insight into the differences in prescribing funding and delivery. The team also had an opportunity to spend a day with a prescribing-pharmacist in their practice setting.

The visit to Scotland has opened the opportunity to several new initiatives in pharmacist prescribing including a potential student exchange between RGU and Dalhousie and an ongoing partnership between Dal CPE and RGU in the delivery of prescribing programs. Dal CPE is currently considering working with RGU to provide the chance for other pharmacists from the Maritimes to experience prescribing training in Scotland.

If you would like more information about this initiative, please contact **Diane Harpell** at Dal CPE at diane.harpell@dal.ca.

A new venue to publish manuscripts related to health reform in Canada

Pharmacy faculty will have a new outlet to publish manuscripts related to pharmaceutical reform. Yukiko Asada (Community Health and Epidemiology) and **Dr Ingrid Sketris** with their Dalhousie colleagues, Katherine Fierlbeck (Political Science), William Lahey (Law), Kathleen MacMillan (Nursing), and Grace Warner (Occupational Therapy) are the Nova Scotia representatives of the Pan-Canadian Health Reform Analysis Network (PHRAN). PHRAN is led by Michel Grignon, Director of the Centre for Health Economics and Policy Analysis at McMaster University. PHRAN also includes representatives from British Columbia, Alberta, Saskatchewan, Ontario, and Quebec. It publishes the Health Reform Observer (<http://digitalcommons.mcmaster.ca/hro-ors/>), an open access, peer-reviewed journal with manuscripts related to the governance, financing and delivery of health care in the Canadian provinces/territories and cross jurisdictional comparisons.

Relaunch of the Drug Information Resources (DIR) Website

Since its creation by **Dr Mary MacCara** and **Ms Elizabeth Foy** (both now retired), the College of Pharmacy's Drug Information Resources (DIR) website (www.dal.ca/dir) has been a much accessed source of credible drug information resources. The website first went online in 1996, and thanks to funding from the Dalhousie Pharmacy Endowment Fund to employ a pharmacy student, has been regularly updated. Over the last year the website received close to 6000 hits per month and was used by pharmacists and students in over 150 countries worldwide.

The DIR website has recently been completely revamped, in part to meet the needs of pharmacists in the changing scope of practice. The website has a new, easy-to-navigate layout, with several new pages including a page on Immunization, which provides recommended references for pharmacists. The page includes standards of practice, background information on vaccines and how to properly handle and store vaccines.

Individual faculty news

Dr David Gardner gave an invited presentation titled “Innovations in pharmacy education to meet community mental health needs” at a symposium: Managing mentally ill patients – the role of the pharmacist at FIP World Congress 2013. International Pharmaceutical Federation. Dublin, Ireland, Aug 31 – Sep 5, 2013.

Dr Natalie Kenny-Kaulback has joined us as Second Year Skills Lab Coordinator. Natalie has a diverse teaching background which includes roles as a Faculty Member and Acting Coordinator with the Doctor of Pharmacy Program and a Course Coordinator for the International Pharmacy Graduate Program at the University of Toronto. She was recently involved in the development of the ADAPT Program for pharmacists, now delivered by the Canadian Pharmacists Association, and currently holds the position of clinical content coordinator. Over the past thirteen years Natalie has primarily practiced in the family practice setting, as part of a Family Medicine Teaching Unit and Family Health Team. She has also been a collaborator in pharmacy practice research including the IMPACT project and ADAPT pilot evaluation.

Dr Andrea Murphy was invited to attend a two day Peter Wall Institute for Advanced Studies Exploratory Workshop in Vancouver on September 19th and 20th, 2013 entitled: Deliberations on the Ethical Use of Antipsychotic Medications in Children.

Dr Ingrid Sketris was featured in IHSPR Newsletter - September 2013 Researcher’s Corner in an article titled: Capacity for Applied and Developmental Research and Evaluation in Health Services and Nursing (CADRE) Chair.

Awards

Dr Ingrid Sketris received the Dalhousie University, Faculty of Health Professions Senior Research Excellence Award – in recognition of outstanding research innovation, impact and excellence for 2012-2013.

Dr David Jakeman was awarded Fellow of the Royal Society of Chemistry (FRSC), UK.

Grants

A scoping review of pediatric mental health related emergency department discharge instructions. Granting Agency: Nova Scotia Health Research Foundation. Principal investigator: **Dr. Andrea Murphy**, Co-PI : Curran, J. Co-investigators: Emberly, D., MacPhee, S., Newton, M., Pringsheim, T., Casey, T., McRae, C. (2013-2014)

Primary Healthcare: The foundation of the health care system getting stronger. Principal investigators: Burge F, Martin-Misener R (co-PIs), Co-investigators: Asada Y, Brown M, Marshall E, **Murphy A**, McNally M, Natarajan N, Piccinini H, Sampalli T, Warner G, Vallis M, **Whelan AM**. Funding source: Strategic Research Initiative Fund (SRIF; Dalhousie University). (2013-2015)

Optimizing expanded scope of pharmacy practice within Nova Scotia: Pharmacist-patient uptake issues and benchmarks. Principal Investigators: Boyle T, Mahaffey T, Co-Investigators: **Murphy A**, Barker J, Associate: Bishop A. Funding source: Nova Scotia College of Pharmacists. (2013-2014)

The efficacy and safety of natural health products in weight loss: a systematic review of the evidence. Dalhousie University, Faculty of Health Professions

Research Development Fund. **Jurgens T and Whelan AM**. (2013).

Publications

Murphy AL, Gardner D, Cooke C, Kisely S, Hughes J, Kutcher SP. Prescribing trends of antipsychotics in youth receiving income assistance: results from a retrospective population database study. *BMC Psychiatry* 2013, 13: 198.

Curran J, **Murphy AL.**, Sinclair D, & McGrath P (2013) Factors influencing rural and urban emergency clinicians’ participation in an online knowledge exchange intervention. *Rural and Remote Health*. 12:2175 (Online http://www.rrh.org.au/publishedarticles/article_print_2175.pdf)

Murphy AL, Gardner D., et al. (2013) A qualitative study of youth, caregiver, and prescriber experiences of antipsychotic related weight gain. *ISRN Obesity*. (In press) <http://www.hindawi.com/isrn/obesity/aip/390130/> Filion KB et al and the CNODES Investigators (**Sketris I**). Proton pump inhibitors and the risk of hospitalization for community-acquired pneumonia: replicated cohort studies with meta-analysis. *Gut* 2013 July 15 [Epub ahead of print] PMID: 23856153.

Conrad P, **Sketris I**, Langille-Ingram E. Participants' perceptions of a multidisciplinary training program for graduate and postgraduate students in drug use management and policy. *Am J Pharm Ed* 2013 Jun 12;77(5):102.

Tett SE, **Sketris I**, Cooke C, van Zanten SV, Barozzi N, Differences in utilization of gastroprotective drugs between 2001 and 2005 in Australia and Nova Scotia, Canada. *Pharmacoepidemiol Drug Saf* 2013 Jul 22(7):735-43.

Hill-Taylor, **Sketris I**, Hayden J, Bryne S, O'Sullivan D, Christie R. Application of the STOPP/START criteria: a systematic review of the prevalence of potentially

inappropriate prescribing in older adults and evidence of clinical, humanistic and economic impact. *J Clin Pharm Ther* 2013 Oct 38(5):360-72.

Student News

Ms Utkarshini Anand (Dr Remi Agu, Supervisor) defended her MSc Thesis in Pharmaceutical Sciences on August 15th 2013. Her project was titled: "Alternative Delivery Approaches for Levothyroxine".

Ms Yan (Vicky) Wang (Dr Kerry Goralski, Supervisor) defended her MSc Thesis in Pharmaceutical Sciences on August 20th 2013. Her project was titled: "Surgery-induced inflammation reduces morphine distribution into cerebrospinal fluid".

UNIVERSITÉ LAVAL

General Faculty News

Quebec Society for Pharmacy History – First General Assembly

On May 26th 2013, the « Société québécoise d'histoire de la pharmacie » held, with its members, its first general assembly. The event took place at the Ferdinand-Vandry building of Université Laval.

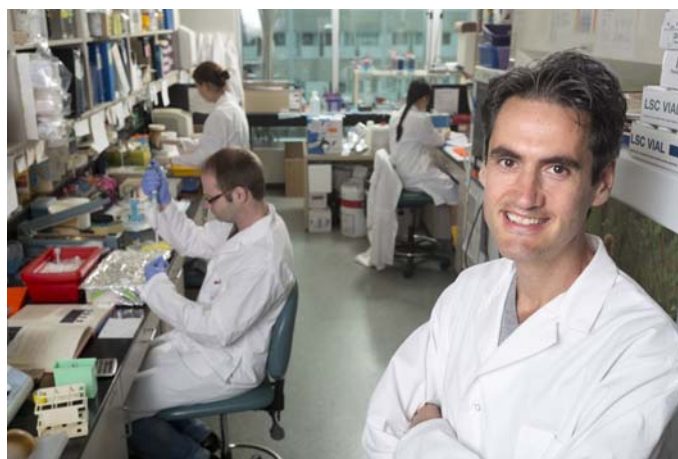
Congratulations to our graduates!

In 2013, 153 students graduated with a Pharmacy Baccalaureate degree (B.Pharm.), 24 with a Hospital Pharmacy MSc degree, as well as 10 and 6 with a MSc or PhD degree in pharmaceutical sciences, respectively. We want to congratulate them for all their work and for such a great achievement.

Welcome Day for 192 new Pharm. D. students

On Tuesday, September 20 2013, the Faculty officially welcomed its 192 new Pharm.D. students with a lot of fanfare. The annual White Coat Ceremony was held at the Théâtre de la Cité universitaire.

Dr. Frédéric Calon awarded the « Pharmacien de cœur et d'action » prize On September 12, during an award ceremony held at Montreal, Dr. Frédéric Calon received the prize from the *Actualité Pharmaceutique* and *Sun Life Financial* for his achievement in Research. This award honours pharmacists in Quebec on a yearly basis.



Dr. Calon in his research lab. Photo credit: Pierre Lanctot



White Coat Ceremony. Photo credit: Renaud Philippe

FRQ-S Fellowship to Marie-Claude Breton

Mrs Marie-Claude Breton was awarded a Fellowship grant from the FRQ-S (*Fonds de recherche du Québec – Santé*), for her project entitled « Setting up and evaluation of a targeted intervention on medical treatment adherence, in diabetes type-2 patients receiving oral medications », project that will be performed within the Research Chair in adherence to treatments.

Events

Fundraising golf tournament

On June 3rd, the Faculty of Pharmacy held its fundraising golf tournament. This 18th edition was held under the honorary presidency of Mr. Claude Lachance, a pharmacy owner from the Quebec region. More than 146 golfers met at the *Club de golf of Lévis*. This event brought back \$ 32 500 to the *Fonds d'enseignement et de recherche* (FER).

PharmD sophomore year cocktail

At the end of the summer session, The Faculty celebrated the accomplishments of 150 PharmD students who successfully went through this pivotal year at a grand cocktail party.

Student News

Oral presentation of Hospital Pharmacy students

Mireille Nadeau, Chloé Lajoie and Alexandre Fortin were ranked first, second and third for the presentation of their research essay, as required for the MSc degree in Hospital Pharmacy. The event, which was held on May 24 at the Krueger Pavilion with the support of Servier Canada, allowed 18 students to present the results of their research projects.

Valérie Brousseau was awarded a summer studentship by the Canadian Liver Foundation.

Congratulations to Valerie Brousseau, research trainee in the laboratory of Molecular Pharmacology led by Dr Olivier Barbier at our Faculty. She managed to win one of the three 4000\$ summer studentships offered across Canada by the Canadian Liver Foundation.

UNIVERSITY OF MANITOBA

Academic Appointments

Dr. Geoffrey K. Tranmer joined the Faculty of Pharmacy as an Assistant Professor in July 2013 specializing in medicinal chemistry. He has a B.Sc. (Hons.) degree from Brock University in Chemistry and a Doctor of Philosophy degree from the University of Guelph, specializing in Organic Chemistry. Following post-doctoral studies at Princeton University, he received an NSERC post-doctoral fellowship and continued his studies at the University of Cambridge under the supervision of Prof. Steven V. Ley, CBE, FRS, examining the application of new technologies in organic synthesis. His first industrial role was as a Senior Research Chemist at Merck Frosst in Montreal as a member of the Technology Enabled Synthesis group. He has also been employed at McMaster University as the Synthesis and NMR Lab Manager in the Centre for Microbial Chemical Biology and research at the Centre for Probe Development and Commercialization.

Dr. Christine Leong joined the Faculty of Pharmacy in July 2013 as an Assistant Professor in the division of clinical sciences and practice. She graduated with a Bachelor of Science in Pharmacy from the University of Manitoba in 2010 and completed her Doctor of Pharmacy degree at the University of Toronto in 2012. Prior to her appointment with the faculty, she has worked as a clinical pharmacist at the Health Sciences Centre in Surgery. She also acted as preceptor to pharmacy students and provided presentations in the

area of seizure disorders, insomnia, infectious disease, and antidepressant use for depression in patients with dementia, to pharmacists, nurses, and medical residents.

Individual Faculty News

Dr. Mike Namaka was invited to serve as the Editor for the Journal of Pharmaceutics and Drug Development.

Student News

Graduate student Sarita Jha (Advisor: **Dr. Silvia Alessi-Severini**) was awarded a travel scholarship to attend the 29th ICPE (International Conference of Pharmacoepidemiology), August 25-28, 2013 in Montreal.

Faculty News

The Bachelor of Science in Pharmacy, BSc.(Pharm), program at the University of Manitoba has been awarded the status of full accreditation by the Canadian Council for Accreditation of Pharmacy Programs (CCAPP) for the a six-year term, 2013-2019.

Grants

Dr. Hope Anderson was awarded a 5-year grant of \$611,905 from the Canadian Institutes of Health Research Grant for her work on "Protective Mechanisms of Endocannabinoids in Cardiac Hypertrophy.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Academic Appointments

Mr. Ary Pevida officially joined the faculty at Memorial's School of Pharmacy on July 2, 2013. He is teaching pathophysiology and health promotion as well as supporting the skills stream of the curriculum.

Mr. Pevida began his formal training with the Faculty of Medicine in Pinar Del Rio, Cuba before beginning his studies at Memorial University in 1997. He has received both a bachelor of nursing and a master of science in medicine from Memorial and is currently a doctoral candidate with MUN's Faculty of Medicine specializing in health economics. Mr. Pevida's background includes two years as a staff nurse with Eastern Health and one year as a chelation technician at the Wellness Centre in St. John's. Since graduating with his bachelor of nursing degree he has worked in a variety of capacities for Memorial over a period of seven years that includes time spent as a course lead, clinical instructor and laboratory instructor with the School of Nursing and the School of Pharmacy.

Mr. Pevida also has a range of research experience that includes work as a research coordinator with NewLab Clinical Research Inc. in St. John's. He is currently a

research team member with the Newfoundland and Labrador Bariatric Surgery Cohort Study and has served as both a research coordinator and principal investigator on a number of other projects.



Mr. Ary Pevida

General Faculty News

School of Pharmacy celebrates scholarship and award recipients

Students, faculty, staff, members of the pharmacy community and special guests gathered at the Health Sciences Centre auditorium on Sept. 12 for the annual School of Pharmacy Scholarships and Awards Ceremony. The event celebrates student achievement and recognizes those individuals, organizations and corporations who extend their support to scholarships and awards. Fifty-six awards were presented this year.

Special guests included the Honourable Susan Sullivan, minister of Health and Community Services, who brought greetings on behalf of the Government of Newfoundland and Labrador; and Dr. Cecilia Reynolds, deputy-provost (students) and associate vice-president (academic) undergraduate studies at Memorial University.

In addition to student recognition, awards were also presented in the categories of preceptor of the year and alumni achievement.

MUN School of Pharmacy achieve 100% pass rate

The Class of 2013 from Memorial's School of Pharmacy achieved a 100 per cent pass rate in the national exams that are a pre-licensing requirement for pharmacists. All 38 students from the class of 2013 successfully passed both the written and practical components of the exams that are administered by the Pharmacy Examining Board of Canada (PEBC).

Individual Faculty News

Dr. Beverly FitzPatrick gave a presentation on Learning Objectives and Educational Outcomes at the CPERC Conference in Niagara-on-the-Lake, ON, June 11-13, 2013.

Dr. Scott Edwards was the supervisor for Ms. Maria Whelan, a summer student with his practice who presented her findings at the CPERC conference in Niagara-on-the-Lake, ON, June 11-13, 2013.

Dr. Stephanie Young, Dr. John Hawboldt and Dr. Roy West were co-authors in: Houser E, Matthews M, Lemessurier J, Young S, Hawboldt J, West R. *Responses by Breast and Prostate Cancer Patients to Out-of-Pocket Costs in Newfoundland Labrador*. *Curr. Oncol.* 2013, June; 20(3): 148-65.

Dr. Laurie Twells: Price HI, Gregory DM, Twells L.K., *Weight Loss Expectations of Laparoscopic Sleeve Gastrectomy Candidates Compared to Clinically Expected Weight Loss Outcomes 1-Year Post-Surgery*. *Obes Surg.* 2013 Jun 23.

Dr. Erin Davis and Dr. JM Gamble presented a workshop at the 2013 CADTH Symposium on May 5th on *Critical Appraisal 102: Evidence Appraisal for Non-Researchers*, in collaboration with Dr. Chris Kamel, Dr. Sara Jennings and Dr. Brendalynn Ends from CADTH.

Dr. Erin Davis and Dr. JM Gamble also presented a workshop at the 2013 CSEB Biennial Conference on

June 24th entitled: *Does that drug really do that? Critical Appraisal of Observational Pharmacoepidemiology*.

Dr. Justin Peddle presented the medication use data from the NL Bariatric Surgery Cohort Study at the Canadian Obesity Summit in Vancouver on May 4, 2013.

Dr. Rebecca Law was a presenter and program planner for a conference entitled *Dermatology & Wound Care: New Perspectives That Influence Practice*, September 13-14, 2013 in St. John's. Co-presenters at the Dermatology Update session included dermatologists Drs. Gary Sibbald and Tracy Brown-Maher.

Ms. Betty Chen (supervisor **Dr. Mohsen Daneshtalab**) was the recipient of the A.G. Hatcher fellowship of \$15,000.00/year. This is the first time that a pharmacy graduate student at Memorial has received this prestigious award.

Grants

Dr. Laleh Alisaraie received a grant in the amount of \$100,000 from Ignite R&D in support of her project entitled: *Design of functionalized single-walled carbon nanotube for drug delivery*.

In April, **Dr. JM Gamble** received an operating grant for \$124,540 over two years from the Heart and Stroke Foundation of Canada. The focus of Dr. Gamble's work is to investigate the clinical benefits and potential harms of drugs in a real world setting, specifically the safety and effectiveness of the newest drugs approved in Canada for type 2 diabetes.

Dr. Debbie Kelly is a member of the Living with HIV/AIDS (LHIV) Innovation Team which received a five year, \$2.5 million Canadian Institutes of Health Research, Community Branch Primary Healthcare Team Research Grant. An official launch event for this project occurred on Sept. 23 at the Health Sciences Centre in St. John's.

Dr. JM Gamble received a New Investigator Award from the Canadian Institutes of Health Research and a Clinician Scientist salary incentive award from the Canadian Diabetes Association for his work on the safety and effectiveness of antidiabetic agents.

Dr. Laurie Twells (with Dr. Leigh Anne Newhook, Ms. Janet Murphy-Goodridge, Dr. Rebecca Schiff, and Ms. Judy Voisey) received a CIHR grant of \$3000 for a Café Scientifique entitled: *Breaking the ice - What is the status of breastfeeding in Labrador?*

Dr. Debbie Kelly (with Ms. Kim Burt and Mr. Gerard Yetman) received a CIHR Grant of \$3000 for a Café Scientifique entitled: *Is it criminal to have HIV? Barriers to Knowing Your Status*.

Student News

Class of 2015 industrial trip

The annual School of Pharmacy industrial trip took place from April 22-26 with stops in Toronto and Montreal. The class of 2015 visited pharmaceutical companies including Teva, Merck, GlaxoSmithKline, Lilly and Pfizer, where they enjoyed a series of tours and presentations that provided valuable insight to the business and operations of these research and manufacturing facilities. "This event is a critical part of our program," said Dr. Linda Hensman. "It provides students with an understanding of the industry, its processes, regulatory requirements, and the scope of resources necessary for drug discovery and development. It also helps to illustrate potential career opportunities in the pharmaceutical industry that are available upon graduation."

The trip is always a highlight for students in the Pharmacy program. In addition to being an important learning opportunity, there is always some time to relax and have fun, providing a much-needed break at the end of a challenging academic year. Sarah Rowsell is a member of the class of 2015 and also president of the Memorial University Pharmacy Students (MUPS). She talked about the industrial trip as a bonding experience among the group. “The industrial trip really brings your class closer together because you get to spend five days on the road travelling with your classmates,” she said. “Almost every night we did something together as a class. You get to know each other on a different level and I think that’s very important.”

AIDS Walk for Life a resounding success

On Sept. 22, the School of Pharmacy participated in the annual Scotiabank AIDS Walk for Life. The team was comprised of 12 students and raised almost \$1,700.00.

The walk is held each year in September at over 130 sites across Canada and is a vital source of funds for many AIDS service organizations. Money raised in each province stays in that same province and in Newfoundland and Labrador the funds help the AIDS

Committee of Newfoundland and Labrador (ACNL) provide essential services to people who are living with and affected by HIV/AIDS. Proceeds from the walk support a number of ACNL projects as well as education and outreach initiatives.



Students and supporters from Memorial’s School of Pharmacy participate in the AIDS Walk for Life on Sept. 22

Volunteer extraordinaire

The School of Pharmacy’s Linda Ou, a third year pharmacy student, received the 2013 David Kirkland Leadership Award. This was presented at a ceremony in the University Centre on March 20, hosted by the Student Volunteer Bureau (SVB).

Responsible for facilitating volunteerism at Memorial University, the SVB also recognize their best volunteers with a VIP designation that marks successive levels of achievement at Bronze, Silver and Gold levels. This past semester, Linda finished at the Gold level, a designation that not only includes volunteer hours but completion of a number of personal and professional development seminars that focus on career development, self awareness and leadership.

The David Kirkland Leadership Award is an annual award presented to a graduate or undergraduate student who has made exceptional contributions to the Memorial community through their leadership and volunteerism in the previous year.

Linda held a number of volunteer positions during the 2012-13 academic year including: president, Chinese

Students and Scholars Association; vice-president (finance), International Student Centre; senior representative, International Pharmaceutical Students’ Federation (IPSF), MUN School of Pharmacy; vice-president (logistics), 2013 Atlantic Pharmacy Advancement Conference; co-treasurer, MUN School of Pharmacy Class of 2015 Graduation Committee; student ambassador, Memorial University.



Linda Ou (centre) with Steve Kent, MHA, Mount Pearl North and Jordan Chafe, Coordinator, Student Volunteer Bureau.

Faculté de pharmacie, Université de Montréal

General Faculty News

Back to school

This August 30th, the faculty has welcomed the BSBP (Pharmaceutical BioScience Bachelor) new cohort. This is the 5th cohort of the program. A special meeting and conference day was organized for the 80 new students. They were guided through the faculty walls and listened to welcome speeches from Dr Daniel Lamontagne, superior cycles studies and research Vice-dean, Dr Brian White-Guay, director of the program and Mr Victor Dubuc, president of the local executive committee.

On August 23rd, new cohorts of Pharm D and Pharmacy qualification programs were welcomed to our faculty during the traditional lab coat ceremony. Each student received a white lab coat bearing the insignia of the program from the hands of Dr Pierre Moreau, Dean, and Dr Chantal Pharand, Vice-dean. Ms Diane Lamarre, president of the Ordre des pharmaciens du Québec (OPQ) and Mr Felix Thompson-Desormeaux, chairman of the executive committee of the AEPUM (pharmacy students association) also spoke to the new students,

guests and partners of the event. The reading of affirmation followed the speeches. This is the opportunity for students to affirm their intention to endorse the code of conduct and ethics and to support their future profession. Dr Ema Ferreira, program director, led the ceremony.

On August 26th, the Masters Program in Advanced Pharmacotherapy (Hospital residency) has welcomed a new cohort of 43 residents. The residents who entered the program last August will complete their training in December. The 32 graduating residents will participate in an activity of poster presentation that will be held on December 5th and 6th, as part of the research meeting special event.

Canada accreditation

In April, the Masters Program in Advanced Pharmacotherapy received a visit from the Canadian Hospital Pharmacy Residency Board of the Canadian Society of Hospital Pharmacists. The approval for accreditation was granted for a period of 4 years. The next accreditation visit will be held in 2017.

Research and development

A program to promote adherence to treatment

Designed by **Dr Yola Moride**, professor at the faculty and researcher at the Research Center of the Hospital of the University of Montreal (CRCHUM), the accompanying Persistence program promotes adherence and taking optimal medication in patients with depression and generalized anxiety disorder. On the occasion of the National Mental Health Week, Univalor and 360Medlink firm announced a new collaboration to develop and commercialize Persistence.

Promising results

Dr John Stagg, assistant professor at the faculty and researcher at the CRCHUM has identified a new enzyme that interferes with chemotherapy and increases resistance in patients with triple negative breast cancer. The promising results of the team of Dr Stagg, composed of Canadian and Australian researchers, gives hope that the development of therapy to block the enzyme CD73 will increase the survival of patients suffering from this cancer. Dr Stagg is also co-owner of the Jean-Guy Sabourin Pharmaceutical Chair in Women's Health.

Nominations and Awards

Professor **Nathalie Letarte**, clinical assistant professor and co-owner of Jean-Guy Sabourin Pharmaceutical Chair in Women's Health, received the Award of Excellence Teva-APES 2013. **Dr Daniel Thirion**, clinical associate professor, received the Award of Innovation Pfizer-APES 2013 for his antimicrobial stewardship program. Both professors received their award during an event held as part of the 2013 conference of the Association des pharmaciens en établissement de santé du Québec (APES) on April 25th in Quebec City.

Ms Diane Lamarre, clinical professor at the Faculty of Pharmacy and president of OPQ, has been named to the Order of Canada by Governor General David Johnston for her leadership within the profession community and her contribution to the advancement of pharmaceutical care. She is the first pharmacist to receive this title.

Dr Ema Ferreira, professor at the faculty, received two distinctive awards for her book “Grossesse et allaitement: guide thérapeutique, 2e édition” (pregnancy and breastfeeding pharmacotherapy). The “Pharmacien de Coeur et d’Action” prize awards knowledge translation and was provided by the Actualité Pharmaceutique professional journal and shared with Mrs Brigitte Martin and Mrs Caroline Morin, pharmacists. The Hippocrate prize, provided by “Le Patient” journal, awards interdisciplinary. Dr Ferreira shared this honor with Dr Evelyne Rey, physician, Mrs Brigitte Martin and Mrs Caroline Morin, pharmacists.

UNIVERSITY OF SASKATCHEWAN

Faculty and Staff News

Dr. Holly Mansell joined the College of Pharmacy and Nutrition in February 2013 as an Assistant Professor in Pharmacy. Holly completed her BSP at the U of S before heading to the University of Washington to complete her PharmD. Before coming to the U of S, she worked as a clinical pharmacist within the Saskatoon Health Region in the areas of critical care and solid-organ transplantation.

Amber Ly, BScNutr 2000 and BSP 2003, joined the College in September 2013 as the Pharmacy Undergraduate Programs Administrative Coordinator. Her position was created to ensure the smooth and effective delivery of the continuum of the pharmacy skills classes. Amber will also collaborate with and support the pharmacy years 3 and 4 professional skills coordinator.

Rhett Carbno, BSP 2005, was reappointed as a sessional lecturer in the Division of Pharmacy for 2013-2014.

Dean’s Search – the search committee for the new Dean of the College of Pharmacy and Nutrition has begun with dates set in November 2013 for candidate

International

During an official visit to Quebec, the Minister-President of the French Community of Belgium and the Walloon Region, Rudy Demotte, was received at the University of Montreal by the rector Breton. M. Demotte was able to speak with representatives of several faculties, including the faculty of pharmacy. The discussions gathered on the activities of “G3”, which includes the University of Montreal, The University of Geneva and the Université

interviews and seminars. Dr. David Hill will complete his service as Dean on June 30, 2014.

Drs. David Blackburn and Jeff Taylor received a CIHR grant to examine the causes of non-adherence in people taking medications for diabetes, high blood pressure and high cholesterol.

College Updates

The College move-over to the new Health Sciences facility is continuing with a large segment of faculty and staff moving in October-November. Because most of the undergraduate pharmacy and nutrition labs, classrooms, student society spaces and Dean’s Office space will not be ready until fall 2015 at the earliest, the College will retain considerable space in its current Thorvaldson Building location for the time being to maintain support to these activities and functions.

Planning has begun for the CPhA/PAS/AFPC annual conferences combined meeting in 2014. The conference will be held from May 31 – June 4 in Saskatoon. The planning committee met on September 2 to begin working on the various programs, events and activities associated with the conference.

Development and Alumni News

The College launched its Centennial Year on September 20, 2013. A large number of students, faculty, staff, alumni and friends joined the College on the steps of the historic Thorvaldson Building for speeches from the Dean, division heads, co-chairs of the Centennial Planning Committee, the Government of Saskatchewan’s Minister of Justice, and student society co-presidents. The event culminated with the unveiling of a banner that will hang on the Thorvaldson Building until July 2014. The College continued the celebration

by hosting a tailgate party at the U of S Huskies Football game.

The College will be holding its Centennial Reunion Weekend on June 26-28, 2014, and will include the Golden Suppository Golf Classic, campus tours, class visits and a gala. The College will also be honouring alumni who have contributed in outstanding ways in their endeavours through an “alumni of influence” recognition process.

UNIVERSITY OF TORONTO

Administrative Changes

Dr. **Heather Boon** was appointed Interim Dean of the Leslie Dan Faculty of Pharmacy effective July 1, 2013 to June 30, 2014, or until the appointment of a new Dean, whichever comes first.

Dr. Boon is a graduate of the Faculty's Bachelor of Science in Pharmacy Program, has a PhD from the University of Toronto, and completed a Post-doctoral Fellowship at Centre for Studies in Family Medicine at Western University. A licensed pharmacist, Professor, and active member of the Faculty since 2001, Dr. Boon has built strong relationships with undergraduate and graduate students, cultivated a reputation as a leading expert in Canada on Complementary, Alternative and Integrative Medicine, and published over 120 scholarly publications.

Dr. Boon brings a strong administrative background to the role of Interim Dean, having served as Associate Dean, Graduate Education at the Faculty for the past two years. While in this position, Dr. Boon successfully grew the graduate programs, enhanced the graduate student experience, adopted new, cutting-edge programs and services, and brought fiscal sustainability to the Graduate Department. Her experience in program design, development, implementation, and review will be incredibly important over the coming year.

Faculty News

Dr. **Christine Allen** has been appointed Interim Associate Dean, Graduate Education, effective September 1, 2013 through June 30, 2014. Dr. Allen takes over this role from Dr. Heather Boon.

Dr. Allen brings extensive administrative experience to the position and is known for both her rigorous approach to research as well as her ability to facilitate dialogue and collaboration among faculty and students.

Dr. **Ping Lee** has been appointed Interim Director, Pharmaceutical Chemistry Specialist program, effective August 1, 2013 through June 30, 2014. Dr. Lee assumes this role from Dr. **Rob Macgregor**, who is currently on sabbatical.

During this time, the Faculty will continue the implementation of the new Doctor of Pharmacy curriculum, which is now in its third year. At the same time, the Faculty will participate in the University of Toronto Quality Assurance Process (UTQAP) – an external review of the Faculty and all of its programs – and the continued execution of our strategic plan.

Dr. Boon replaces Dr. **Henry Mann** who served as Dean at the Leslie Dan Faculty of Pharmacy since July 1, 2009. Dr. Mann accepted an appointment as Dean of the Ohio State University College of Pharmacy.

During his term as Dean, the Faculty enjoyed many significant accomplishments, including the implementation of the new PharmD curriculum, the designation of this new curriculum as a Doctor of Pharmacy program, the establishment of new research centres, the creation of the combined Bachelor of Science in Pharmacy-Post-Baccalaureate Doctor of Pharmacy program, the strengthening of relationships with practice partners in hospital and community settings, and the development of a robust strategic plan to strengthen the Faculty's standing as an international leader in pharmacy education and research.

The Faculty thanks Dr. Mann for his many contributions to Faculty life over the past four years, and wishes him well as he embarks on this new journey.

Dr. Lee brings considerable experience in industry and academia to this role, as well as an innovative approach to drug delivery and a strong relationship with students.

Dr. **Lalitha Raman-Wilms** will be on sabbatical from July through December. During this time, Dr. **Beth Sproule** will help cover Dr. Raman-Wilms' duties as Associate Dean, Professional Programs.

In this capacity, Dr. Sproule will primarily be working on the implementation of the Year 4 PharmD clinical rotations, which will begin in May 2014. As the Director for the Faculty's Division of Pharmacy Practice, Dr. Sproule is well acquainted with the progress to date and the challenges that remain in implementing this new experiential program.

Promotions

Drs. **Zubin Austin**, **Heiko Heerklotz**, and **Anna Taddio** have been promoted to the rank of Full Professor, effective July 1, 2013.

Dr. Zubin Austin joined the Faculty in 1994 as a tutor responsible for senior level professional practice labs. In addition to the BScPhm, BA (Philosophy), and MBA he held at that time, Dr. Austin went on to collect MISC, Med, and PhD degrees. This varied background has led to a multidisciplinary research career applying theories and methods of social psychology to the profession of pharmacy.

Dr. Heiko Heerklotz joined the Faculty in 2007 as Canada Research Chair in Lipid Science and Technology. Dr. Heerklotz's research focuses on the interactions of molecules with biological membranes, such as bio-pesticides based on Bacterial lipopeptides that are being used for crop protection.

Dr. Anna Taddio joined the Leslie Dan Faculty of Pharmacy in 2007, and also holds the position of Senior Associate Scientist at The Hospital for Sick Children. Dr. Taddio's research is focused on two key areas: pain

in neonates and immunization pain management. Her research serves to provide evidence for why pain must be managed, what to do to minimize pain, and how to implement pain management practices in clinical practice.

New Professor

This summer, Dr. **Brian Shoichet** joined the Faculty from the Department of Pharmaceutical Chemistry at the University of California, San Francisco. An internationally recognized leader in combining computational simulation and experimental techniques to develop new ligands that complement protein structures, Dr. Shoichet is able to develop new targets for existing chemical compounds and new ligands for accessible protein targets. He has a particular focus on the discovery of novel chemical entities to modulate G-Protein Coupled Receptors, which may be templates for new drugs and are also a focus for several other researchers within our Faculty. He is highly productive in terms of publications, grants, and patents. In addition to being a highly sought after lecturer, Dr. Shoichet is very active in mentoring both graduate and professional students.

Office of Experiential Education

With the introduction of the full-year Advanced Pharmacy Practice Experience to the 4th year of the PharmD program starting in May 2014, the Faculty has added four new members (part-time) to the Experiential team.

Doret Cheng brings experience in hospital practice at Mt. Sinai Hospital where she has held various roles, including clinical pharmacist, clinical team leader and clinical manager to her new role as Education Coordinator at the Faculty. She graduated with a BScPhm from the University of Alberta and with a Doctor of Pharmacy from the University of Toronto (2002). Dr. Cheng also has extensive experience working overseas, more recently as a volunteer pharmacist with Pharmaciens Sans Frontieres/Pharmacists Without Borders Canada in Uganda.

Certina Ho brings many years of experience with program development, assessment, and evaluation of courses through her experience at the University of Waterloo, School of Pharmacy. She also has an appointment at the Institute for Safe Medication

Practices (ISMP) Canada, with her current role as Project Manager, overseeing and managing medication safety initiatives related to ambulatory/community pharmacy practice. Certina is in the process of finishing her PhD at the Ontario Institute for Studies in Education.

Colette Raymond joins the team to lead the new APPE Preceptor Development Program, launched in August 2013, developed in collaboration with our Continuing Professional Development office. She is also appointed to UHN as Pharmacy Research and Education Coordinator, a job-share position. Colette completed a BScPharm at the Faculty of Pharmacy, University of Alberta (1998), PharmD at UBC (2001) as well as a Master of Science- Health Services Research (2006), University of Manitoba. Colette arrived from Winnipeg where she held various roles and appointments including Staff Development/ Practice Evaluation Pharmacist, Winnipeg Regional Health Authority (WRHA).

Tanya Sklierenko brings experience as an independent community pharmacist, manager, and owner to the Office of Experiential Education. She has

developed many innovative practice initiatives for the community through her site including one-on-one personalized patient programs in Diabetes, Asthma and Hypertension, an Influenza Immunization Program, and a Poison Prevention Program. She also has Long-Term Care and Industry experience. Dr. Sklierenko holds a Bachelor of Science degree in Human Biology, and a Doctor of Pharmacy from the University at Buffalo, The State University of New York. **Katrina Mulherin** has stepped away from an Experiential Coordinator role to focus on her research interests.

New Director, Continuous Professional Development

Rita McDowall has joined the Leslie Dan Faculty of Pharmacy as Director, Continuous Professional Development.

Rita joined the Faculty from the Rotman School of Management at the University of Toronto where she was a member of the senior leadership team of the

Accreditation

Last Fall, the Faculty participated in an accreditation review by the Canadian Council for Accreditation of Pharmacy Programs for our undergraduate programs. This Summer, the Faculty received the results of this review:

- The PharmD program was awarded the status of Provisional Accreditation for a three-year term (2013-2016).
- The Bachelor of Science in Pharmacy program was awarded the status of Full Accreditation for a two-year term (2013-2015). This program will close at the end of Spring 2015.
- The Post-Baccalaureate Doctor of Pharmacy program was awarded the status of Full Accreditation for a six-year term (2013-2019).

The Faculty is pleased with the results of this review, and will use the information acquired through this process in preparation for the University of Toronto Quality Assurance Process, which the Faculty will participate in this Fall.

OPEN

Over the past few years, significant changes to the healthcare system have resulted in new roles and responsibilities for pharmacists. The Ontario Ministry of Health and Long-Term Care recently announced funding for the Ontario Pharmacy Research CollaboratioN (OPEN), allowing researchers across the

Rotman Executive Programs. In this role, Rita managed the Open Enrolment business unit and the Governance Programs portfolio. Prior to joining Rotman in 2006, Rita was the Program Coordinator for the Certificate in Adult Training and Development Program with the Ontario Institute for Studies of Education (OISE), and before that with the Ontario Nurses' Association. Rita has extensive experience in program development and delivery locally and nationally, she has led and managed large teams, and established positive relationships with a variety client groups. Rita obtained her Bachelor of Business Administration from Wilfred Laurier University and her Master of Education (Adult Education) from OISE. She is a Certified Professional Co-active Coach and has a Certificate in Adult Training and Development.

In this role, Rita will lead many initiatives in the Continuous Professional Development portfolio and will be an important part of the Faculty's leadership team.

province to study the effectiveness of pharmacist-led medication programs. Led by Leslie Dan Faculty of Pharmacy alumni Dr. Nancy Waite (University of Waterloo School of Pharmacy) and Dr. Lisa Dolovich (McMaster University Department of Family Medicine), the OPEN program will see three of its six research projects conducted at the University of Toronto.

Associate Professor **Linda MacKeigan** is the Primary Investigator (along with co-PI Lisa Dolovich) of a three year evaluation of the implementation and impact of MedsCheck (Annual and Diabetes) and pharmaceutical opinion projects funded by the Ontario Ministry of Health and Long-Term Care (MOHLTC).

Assistant Professor and Clinician Scientist **Lisa McCarthy** is leading two OPEN projects. "Pharmacist Renewal and Adaptation of Prescriptions" will determine the uptake and impact of legislative changes that permit pharmacists to renew and adapt prescriptions on pharmacies and pharmacists. "Facilitating Acceptance of Pharmacist Prescribing for Minor Ailments" will explore the perceptions of various Ontario stakeholders about pharmacists' competence in independently prescribing medication for minor ailments. Dr. McCarthy is also co-Investigator on the Gender and Vulnerable Populations and Deprescribing teams.

Associate Professor and Clinician Scientist **Beth Sproule** will co-lead “Chronic Pain Management by Rural/Urban Community Pharmacists,” which will examine pharmacists’ attitudes, perceptions, and knowledge about chronic pain (headache disorders, low back pain, and painful diabetic neuropathy), define how the core chronic pain clinical competencies (including pharmacotherapeutic management and safe opioid use) can be incorporated into a specialized training program for pharmacists, and determine the feasibility, acceptability, and clinical impact of a pharmacist-led clinical service program for the management of chronic pain in community pharmacy and family health team settings.

Associate Professor **Lalitha Raman-Wilms** is a co-investigator on “Pharmacists’ Role as Immunizers (Influenza Prevention),” a project where the impact of community pharmacy administration of influenza immunizations on immunization rates in Ontario will be examined. Dr. Raman-Wilms is also co-investigator on “Developing, Implementing and Evaluating ‘Deprescribing’ Guidelines for the Elderly,” a project to reduce and simplify long-term medication use in the elderly.

Assistant Professor **Suzanne Cadarette** is participating in two OPEN projects that will leverage healthcare utilization and administrative claims data – “Evaluation of MedsCheck and Pharmaceutical Opinion Programs in Ontario” and “Pharmacists’ Role as Immunizers (Influenza Prevention)” – where she will leverage her expertise in health services research and pharmacoepidemiology, and her experience as Faculty Lead at the Institute for Clinical Evaluative Sciences (ICES), to provide insight into and facilitate ICES analysis for these projects.

A common theme among all of the projects associated with the OPEN program is the idea of capacity building. Co-Leads Dr. Sproule and Dr. Waite will work with Dr. MacKeigan, Associate Professor **Zubin Austin**, and others to provide opportunities for graduate and undergraduate students, residents, fellows, and junior faculty to contribute to a research project and learn from and network with key knowledge users and senior researchers. Ultimately, through these interactions, they will develop and hone their skills in conducting medication management, practice-based research. For more information on OPEN, please visit <http://www.open-pharmacy-research.ca/>.

Awards

At the Association of Faculties of Pharmacy of Canada conference, Professor **Reina Bendayan** was recognized with the AFPC-Pfizer Research Career Award, while Assistant Professor **Carolyn Cummins** was recognized with the AFPC New Investigator Research Award.

Assistant Professor **Olavo A. Fernandes** received the Exceptional Achievement in Research and Academia Award from the Ontario Pharmacists’ Association at their annual conference in June. This award is presented to a pharmacist who has committed significant time and effort to advancing the profession through academic research and development. The focus of Dr. Fernandes’ research is on patient safety, with an emphasis on defining and evaluating interprofessional models for improving patient outcomes through medication reconciliation. His research investigates what it is that pharmacists can do to make meaningful outcomes for patients, including exploring potential adverse drug events that occur when patients are admitted to, discharged from and/or transferred within the hospitals.

Each year, students in the Doctor of Pharmacy and Bachelor of Science in Pharmacy programs recognize teaching excellence through the presentation of Professor of the Year Awards. For the 2012-2013 academic year, the classes selected the following instructors as their Professors of the Year:

- Carolyn Cummins** (Year 1)
- Norman Dewhurst** (Year 2)
- Mary Erlik** (Year 3)
- Zubin Austin** (Year 4)

Students in the Post-Baccalaureate Doctor of Pharmacy and Combined Bachelor of Science in Pharmacy-Post-Baccalaureate Doctor of Pharmacy program also honour their Professor and Preceptor of the Year. The Professor of the Year Award recognizes an instructor within the Doctor of Pharmacy program that demonstrates an effective approach to learning and skills that facilitate and encourage learning. This year’s recipient, Dr. **Philip Lui**, was praised for his enthusiasm, patience and ability to ground theory in real life situations.

The Preceptor of the Year Award recognizes a preceptor with a teaching approach and skills that effectively facilitate and encourage learning. In essence, an individual who is an excellent role model for students. Dr. **Mark McIntyre** of the Emergency Department and ICU at Mt. Sinai Hospital is the recipient of this year's award. As an educator, he was patient, understanding and supportive of his students, encouraged them to think critically and to ask questions, welcomed discussion, and was open to opposing viewpoints.

Events

In September, the Faculty's new Centre for Pharmacy Management and Innovation hosted its first two events.

The Global Perspectives Summit saw leaders from across all branches of pharmacy in Ontario convene at the Faculty Club to learn from the successes and failures experienced in implementing the enhanced scope of practice in the United Kingdom, Australia, and Alberta.

Speakers included Lisa Nissen, Anita Brown, Sue Sharp, Lisa Guirguis, and Deb Saltmarche. After the morning's presentations, attendees participated in a facilitated ideation session to lead to the development

of a practical roadmap for a strong, flexible, community-driven vision of Pharmacy practice in Ontario.

The next day, the Centre hosted the inaugural Global Perspectives in Pharmacy Lecture Series. Bringing together students, pharmacy practitioners, faculty members, and various members of the healthcare field, attendees were treated to presentations that outlined the challenges of implementing a new scope of practice and the changes that have taken place post-implementation.



UNIVERSITY OF WATERLOO

School News

The School of Pharmacy hosted the 4th annual Canadian Pharmacy Education and Research Conference (CPERC) June 11-13 at Queen's Landing in Niagara-on-the-Lake. The theme for the conference was "Leading Change Through Innovation and Technology."

Highlights included a keynote address by Lucinda Maine on game changers in healthcare and pharmacy education, AFPC award winners' presentations, and sessions on informatics, experiential education and accreditation standards. In addition, participants had the opportunity to gain new and insightful ideas during the Innovations in Pharmacy Education and Research presentations and poster presentations, and to network with colleagues in the Rotating Roundtable Discussions. Colleen Maxwell, Cynthia Richard, Barb Rae-Schneider, Nancy Waite and Eric Schneider all played key roles in organizing the conference

The second Waterloo Pharmacy Golf Invitational was held on September 16 at Grey Silo Golf Club. The sunny fall day brought out alumni, students, and members of the broader pharmacy community. In the two years that the event has been running, \$60,000 has been raised for the school's Student Success Fund. Last year, the fund provided assistance to over 250 students attending professional conferences.



The class of 2013, scheduled to convocate in October, held a dinner and awards night in August. Award recipients included Monique Potvin (Academic Proficiency), Alam Hallan (Valedictorian), Jamie Ikola (Community Engagement), Nicole Seymour (Co-operative Education), Kaitlin Bynkoski (Undergraduate Student Experience), Nick Malian (SOPHS Leadership), Chelsea Barr (Future of Pharmacy). Faculty member Dr. Eric Schneider received the Student Support Recognition Award.



The School of Pharmacy held its Business Awards Ceremony in May. Presented at the ceremony were the Scotiabank Pharmacy Entrepreneurship Award and the Pharmasave Industrial Case Study Competition Award.



*Pharmasave Industrial Case Study winning team
L to R: Billy Cheung (Pharmasave), Jaspreet Sahota, Robyn McArthur, Caitlin Meyer, Nicole Seymour, Peter Rempel*

Appointments

In early September, Rosemary Killeen joined the School as Director, Continuing Professional Development and Distance Education. Rosemary obtained her BScPharm degree from University of Toronto and has practiced in a variety of pharmacy settings throughout her career. Most recently she served as the Editor-in-Chief/Deputy Publisher of the

Canadian Pharmacists Journal (CPJ), a publication of the Canadian Pharmacists Association. She has represented the Ottawa region on the board of the Ontario Pharmacists Association and is an active volunteer with a number of health-related charities and organizations. Rosemary will lead our initiatives related to continuing professional development and distance education.

STUDENT AWARDS

Dr. Charlie Bayliff Memorial Award

Julie Denomme – The first **Dr. Charlie Bayliff Memorial Award** was presented in May to Julia Denomme. Julia, a fourth year Waterloo pharmacy student, is involved in professional activities at the national level, has an excellent academic record, and will begin a pharmacy residency position at London Health Sciences in the fall.

The award was established by friends and colleagues of the late Dr. Charlie Bayliff.



David Edwards, Hallman Director School of Pharmacy, Julia Denomme, and Dave Knoppert, member of the fundraising team at the award reception in May

Kaitlin Bynkoski - Congratulations to Rx2013 student, Kaitlin Bynkoski who was presented with the Student of Distinction Award from the Ontario Pharmacists Association during their conference in June. The award is in recognition of Kaitlin's outstanding leadership in service to the profession throughout her four years as a pharmacy student.

Kaitlin is the co-founder of the Ontario Pharmacy Student Integrative Summit (OPSIS), which is the first and only student-led pharmacy conference in Ontario. Over the past three years, Kaitlin has worked to create, organize, and facilitate the OPSIS conference for student leaders in pharmacy. Her mission was to create a strong intraprofessional relationship between both faculties of pharmacy and ultimately encourage leadership and innovation among the student leaders of these schools. Her vision for the conference has been to inspire pharmacy students to build a foundation for pharmacy practice in Ontario through collaboration, team building, clinical skills development, and leadership opportunities.

Lizzie Wang - is the first amongst our graduate students to be successful at the doctoral level. In July, Lizzie successfully defended her PhD thesis in the Department of Chemistry; her thesis title was "Phytanyl Substituted Dissymmetric Gemini Surfactant-based

Transfection Vectors for Gene Therapy". She started in the Fall of 2008 in the laboratory of Dr Shawn Wettig.

Samih Alqawlaq - received the **Dean of Science Award** (M.Sc.) at the Faculty of Science Graduate Studies Spring 2013 Convocation Ceremony in June. Samih was a graduate student in Dr Marianna Foldvari's laboratory, who defended his MSc thesis in January, with the topic 'non-viral Gemini surfactant-phospholipid nanoparticles for topic gene delivery to the retina'.

Wesseem Osman - is the recipient of this year's **McDougall Award**. The scholarship, valued at \$5,000, is awarded annually to a full-time University of Waterloo graduate student registered in the School of Pharmacy in the Faculty of Science. This scholarship was established by Janet McDougall, BSc'71 to honour her parents, Donald Joseph and Kathleen (Kay) Donihee McDougall. It is awarded on the basis of scholastic excellence and commitment to service in the community. Wess's contributions to the community, including the charity he founded, CustomChemoCaps, make him a worthy recipient of the award.

We are also pleased to congratulate **Wesseem Osam** from Praveen Nekkar's laboratory and **Chi-Hong Sum** who works with Roderick Slavcev and Shawn Wettig, both of whom won CPERC Conference Presentation Awards for their research.

GRANTS

Paul Spagnuolo has been awarded a total of \$120,000 over two years from the Leukemia and Lymphoma Society of Canada for his work on novel nutraceuticals that may pave the way for more effective treatment of acute myeloid leukemia.

Mike Beazley has been awarded \$150,000 over five years from the NSERC Discovery Grant Program for his research on "Molecular mechanisms and physiological consequences of growth factor receptor transactivation in the central nervous system".

Roderick Slavcev has also received an NSERC Discovery Grant of \$150,000 over five years for his research on "Investigating the Rex exclusion genes of bacteriophage Lambda".

Kelly Grindrod and her colleagues have just been awarded seed funding of \$10,000 to pursue further research possibilities in mHealth, in a project titled "Building an interdisciplinary team to research mobile health applications for older adults".

OPEN Update

As mentioned in the spring issue, Waterloo's Dr. Nancy Waite, and Dr. Lisa Dolovich, Department of Family Medicine, McMaster University received a \$5.77 million grant from the Government of Ontario to establish a multidisciplinary and multi-institutional research program known as OPEN — the Ontario Pharmacy Research Collaboration — to conduct knowledge user-focused research.

This initial provincial funding supports OPEN’s research to foster innovation and evaluate the effectiveness of Ontario pharmacist-led medication management programs. The OPEN program, however, intends to grow to become a larger umbrella organization to support pharmacy practice research in Ontario and liaise with like-minded individuals and organizations across Canada and internationally. OPEN engages some 50 interdisciplinary researchers from four Ontario universities and one research institution – University of Waterloo, McMaster University, University of Toronto, Western University, and the Bruyère Research Institute, a partnership of Bruyère Continuing Care and the University of Ottawa. More information on OPEN is available at:
www.open-pharmacy-research.ca •
open@uwaterloo.ca • twitter.com/open_pharmacy

PRESENTATIONS

Nakhla, Nardine. Minor Ailment Prescribing in Canada and her ongoing EBSCR (evidence based self-care recommendations) research. Nonprescription Medicines Academy Annual Conference, Cincinnati, Ohio. – September 26, 2013.

Winslade N, Brown T, Mailhot C, Schindel T, **Waite N.** National educational outcomes for pharmacy

programs in Canada International Pharmaceutical Federation World Congress, Dublin, Ireland, August 31 – September 5, 2013.

Cook K, **Waite N.** Is university-based community service learning a win-win for academia and the community? The “PHarmacy innovation Garden” as a research case study. CU Expo 2013: Engaging Shared Worlds, Corner Brook, NL, June 12–15, 2013.

Waite NM, Cook KM. Measuring student and community outcomes achieved with the “PHarmacy innovation Garden,” a community service-learning initiative. 4th annual Canadian Pharmacy Education and Research Conference and 70th Association of Faculties of Pharmacy of Canada Annual General Meeting, Niagara-on-the-Lake, ON, June 11–13, 2013.

Waite N, Agro K, Malian N. Overcoming MedsCheck barriers: Are we there yet? 2013 Canadian Pharmacists Association National Conference and Trade Show, Charlottetown, PEI, June 1–4, 2013.

Fernandez-Rojas, Carlos was invited to participate in the National Lipid Panel meeting to assess cognitive safety of statins. Atlanta, Georgia, October 5-6, 2013.

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