



# AFPC COMMUNICATION

Association of Faculties of Pharmacy of Canada

Association des Facultés de Pharmacie du Canada

Jan/Feb 2011

Volume 22 No. 2

## Table of Contents

<i>President's Message</i>	<i>1</i>
<i>Executive Director's Corner</i>	<i>2</i>
<i>Conference 2011</i>	<i>4</i>
<i>AFPC Newsletter Survey Results</i>	<i>4</i>
<i>Faculty Spotlight – Univ of Saskatchewan</i>	<i>5</i>
<i>Faculty News</i>	<i>9</i>
<i>Contributors &amp; Editor</i>	<i>27</i>

## PRESIDENT'S MESSAGE

On behalf of the AFPC Executive and Council, I would like to extend warm greetings to everyone for a successful 2011! Over the last few months, I have had the pleasure of working closely with our council and our executive director, Dr. Harold Lopatka. We had a very successful mid-year meeting on February 4 and 5<sup>th</sup> in Toronto and our work continues in many areas important to our Faculties.

On February 4<sup>th</sup>, we held a strategic planning discussion jointly with ADPC, which helped us focus on elements of importance to both Deans and council members. Dr. Lopatka had invited speakers from Health Canada who shared information related to the modernization of the Food and Drugs Act and Regulations (David Lee), and a discussion on the potential opportunities for students and faculty at Health Canada (Hieu Vu).

Our mid-year meeting on February 5<sup>th</sup> gave us an opportunity to share what is happening at each of our Faculties, with many schools undergoing changes in curricula, expanding student numbers, increasing faculty and moving into new expanded spaces.

AFPC council will be busy this year as we continue to work on many items. On June 3, 2010, Council had approved the new Educational Outcomes<sup>1</sup> for entry-to-practice programs in Canada. The task force is currently working on developing the 'Levels of Performance Expected of Graduates' document to support the outcomes. The draft document will be sent out to the

<sup>1</sup> Educational Outcomes for First Professional Degree Programs in Pharmacy (Entry-to-Practice Pharmacy Programs) in Canada.  
[http://afpc.info/downloads/1/AFPC\\_Education\\_Outcomes\\_AGM\\_June\\_2010.pdf](http://afpc.info/downloads/1/AFPC_Education_Outcomes_AGM_June_2010.pdf).

Faculties soon for comments. At this time, many Faculties have started to incorporate the new outcomes in their curriculum. Please forward your feedback on the implementation of the outcomes to your councillors. Your input will help AFPC identify areas where we can provide additional support through more information, discussion forums, or workshops at our upcoming conference. AFPC is also working on the French translation of the educational outcomes.

The Program Evaluation Task Force, under the Chair of Ingrid Price, will be releasing 'The Program Evaluation Guide for Canadian Faculties of Pharmacy' shortly. This tool will enable Faculties to determine optimal methods to evaluate their programs. This is a significant project undertaken by AFPC and I would like to thank and congratulate Ingrid, as well as the 14 other faculty members who were involved in its development.

Ongoing efforts at the AFPC include: the update of our website, and the faculty teaching and research database, as well our contribution and input to various groups, including the Blueprint Steering Committee.

I am also pleased to announce that planning and work has commenced in designing our next exciting CPERC conference which will take place in Manitoba from June 5 to 8<sup>th</sup>, 2011. The planning committee, chaired by Dr Silvia Alessi-Severini, AFPC councilor from the University of Manitoba, is working hard to make this an exciting and informative program with sessions planned in the areas of interprofessional education, educational outcomes and program evaluation.

I look forward to my ongoing contributions to AFPC and would like to thank all of our councillors for their dedication and hard work in many areas of academic pharmacy. AFPC depends on our members for feedback – please share your thoughts and ideas related to our work and any suggestions for additional areas where we can contribute.

Best wishes to all of you for 2011!

Lalitha Raman-Wilms    l.raman.wilms.a@utoronto.ca

## EXECUTIVE DIRECTOR'S CORNER

The following is a report on Executive Director, AFPC and ADPC activities since my last report.

One of the first items is to acknowledge and congratulate Bev Allen on his receiving the CFP Pillar of Pharmacy Award. Bev continues to make a significant contribution to AFPC. As many of you are aware, Bev is the AFPC Councilor from University of Saskatchewan and the council representative on the Pharmacy Experiential Program Canada (PEP C). All the best to Bev as he celebrates this prestigious award.

### **Executive Director Activities**

I have now been in the Executive Director position for over six months and my learning curve is not as steep as in the first few months. My understanding is much better and I am becoming more comfortable with AFPC and ADPC business. I still have the need to contact with Frank Abbott occasionally about selected topics where background information is critical. Over the last four months I have devoted the majority of my time to fund raising; communicating with external national organizations; and coordinating phase 2 of our educational outcomes project.

One of my top fund raising priorities for 2011 has been to obtain sponsorship for all of our awards. A significant number of our awards are not cosponsored by an external organization and my goal is to have all

awards cosponsored. The value of our current annual awards program is approximately \$45,000. General sponsorship letters were sent to CEOs of major brand name and generic pharmaceutical companies. So far the response has been slow as the pharmaceutical industry has been feeling the economic pressures from government reimbursement policy changes (e.g., product listing agreements and generic drug pricing policies). Fund raising efforts will continue and now be expanded to other stakeholders e.g., community pharmacy organizations, etc. The next sponsorship priority will be to improve revenues for our CPERC meeting.

The major areas of communications with external agencies included; preparing the AFPC submission to the Future of Medical Education in Canada project, participating in the CCCEP policy summit, participating in ongoing discussions relating to the Global Alliance for Pharmacy Education, and responding to CSHP about the initial draft of their pharmacy curricula statement.

Over the next few months my focus will be to administer the awards program, provide support for planning CPERC 2011, continue with a review of the AFPC strategic plan, and begin the process of revamping our website.

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### **AFPC Activities**

Awards – We are proceeding with our full awards program in 2011 (expected that there will be approximately 23 potential faculty and student award winners with a \$45,000 value of awards). The first wave of nominations was received for three awards in December and the applications are under review. We have received multiple nominations for each award. Special thanks to our 2011 awards committee chairperson Andrea Cameron for her diligence.

CPERC 2011 – Please try to attend our Canadian Pharmacy Education and Research Conference (CPERC 2011 - Pharmacy at the Forks: Education and Research Coming Together) in Winnipeg on June 5-7, 2011. The planning committee has developed a highly relevant program that will be of interest to everyone. The key themes for our conference are the evolving pharmacy

curriculum and interprofessional education. Special thanks to Silvia Alessi-Severini our conference chair for her efforts. See additional conference information below including the call for abstracts.

February 2011 mid year meeting –AFPC Council and ADPC held a joint strategic planning session. Some agenda topics from the AFPC business meeting: 2010 educational outcomes – faculty implementation progress reports; status report on phase 2 – levels of performance; results from newsletter survey; and CSHP statement about pharmacy curricula. Consultations with external stakeholders were held with Health Canada, and the Canadian Pharmacists Association.

Educational outcomes – Phase 2 of our educational outcomes project entails the development of levels of performance to supplement our 2010 educational outcomes. Nancy Winslade has been hired as a consultant to help in this project. Written feedback was collected through AFPC Councilors and from selected national pharmacy organizations in December.

In January and February, Nancy analyzed the feedback and will be working with the ad hoc task force to develop an initial version of the levels of performance. The levels of performance work should be completed for our June 2011 AFPC annual general meeting.

**ADPC Activities**

Bob Sindelar (UBC) is back from his leave and Nancy Waite (Waterloo) is continuing as Interim Hallman and Health Sciences Campus Director until June 30, 2011.

In the past, ADPC met with representatives from Rx and D. Through these discussions, individual faculties made submissions to the Health Research Foundation and several of the faculties were awarded grants for research activities. A special thanks to Rx and D Health Research Foundation. We are hopeful this source of funding will be continued and expanded.

October 3-4 2010 annual meeting – A facilitated strategic planning session occurred. External consultation sessions were held with Dr. W. Hindmarsh from Canadian Council for Accreditation of Pharmacy Programs and Dr. J. Rouleau about the Future of Canada’s Academic Health Science Centres. The following were some of the topics addressed during the business portion of the meeting: progress on ADPC/PEP-C/CSHP priority action list, data collection for reporting on Canadian pharmacy faculties, 2011 AFPC operating budget, specialized pharmacy residencies, Canadian pharmacy schools and global affiliations, Rx and D industrial pharmacy studentship program. Also, individual faculty reports were presented.

February 2011 mid year meeting – The ADPC mid year meeting was held on February 3 and 4 in Toronto. ADPC and AFPC held a joint strategic planning

session, which included consultations with external stakeholders with Health Canada and Rx and D.

Other – The PEP C group has developed a preliminary proposal to conduct a planning for the future workshop on experiential education in Canada. The proposal will be reviewed and potentially integrated into the Blueprint proposal on experiential education.

On a closing note I would like to acknowledge the following pharmaceutical corporate sponsors who have committed to sponsorships for AFPC activities in 2011 (awards and / or conference).

Bristol Myers Squibb

Canadian Foundation for Pharmacy

GlaxoSmithKline

Janssen Ortho

Leo-Pharma

Merck Canada Inc

Pfizer

Rx and D

Sanofi-Aventis

Servier



AFPC/ADPC Executive Director

## Conference 2011

The 2<sup>nd</sup> annual Canadian Pharmacy Education and Research Conference (CPERC)/ Congrès sur l'enseignement et la recherche en pharmacie au Canada (CERPC) and the 68<sup>th</sup> AFPC Annual General Meeting will be held in Winnipeg (Manitoba) on June 5-7, 2011 at the historical Fort Garry Hotel. The conference will focus on the evolving Pharmacy curriculum and the pan-Canadian initiatives in interprofessional education. The conference will start on Sunday evening with a registration reception and the opening dinner with the presentation of the awards. Monday, June 6<sup>th</sup> is the first day of the program, which features a plenary session with a presentation by Dr. John Gilbert and a panel discussion on interprofessional education initiatives across the country. In the afternoon, breakout session participants will engage in discussions on critical issues in pharmacy education. On June 7<sup>th</sup>, aspects of the pharmacy curriculum such as implementation of the new educational outcomes and new perspectives in the integration of pharmaceutical science knowledge and research, will be discussed. Research posters will be presented both days with judging occurring on the Tuesday. The AFPC Annual General Meeting is scheduled for 12:00 on June 7<sup>th</sup>.

The preliminary program and registration materials have been posted on the AFPC website and **on-line registration is now open (the early bird registration deadline is April 30, 2011). In addition, the call for abstracts request is now active (March 15, 2011 abstract submission deadline).** The AFPC web link for the conference information, registration, and abstract submissions is <http://www.afpc.info/content.php?SectionID=3>  
<http://www.afpc.info/content.php?SectionID=3&ContentID=136&Language=en&ContentID=136&Language=en>

Local Organizing Committee: Silvia Alessi-Severini, Hope Anderson, Kelly Brink, Shawn Bugden, Ruby Grymonpre, Nancy Kleiman, Alan McIntosh, Mike Namaka, Lavern Vercaigne.

### AFPC Newsletter Survey Results

Thanks to everyone who participated in the recent AFPC Newsletter Survey, which was conducted via Survey Monkey in January 2011. Below is a summary of survey results, which has been discussed at the AFPC mid-year council meeting in February 2011.

**Total respondents:** 76 participants provided answers to the following:

**Level of interest:** High interest (17%), medium – read articles of interest (61%); low interest – read occasionally (21%); no interest (1%)

**Satisfaction with the newsletter layout:** Very satisfied (8%); satisfied (51%); neutral (40%); dissatisfied (1%), very dissatisfied (0%)

**Satisfaction with the newsletter content:** Very satisfied (10%); satisfied (60%); neutral (29%); dissatisfied (1%); very dissatisfied (0%)

**Satisfaction with the timeliness of the information:** Very satisfied (11%); satisfied: (49%); neutral (39%); dissatisfied (1%); very dissatisfied (0%)

**Satisfaction with practicality and usefulness of the information:** Very satisfied (7%); satisfied (55%); neutral (33%); dissatisfied (4%); very dissatisfied (1%)

**Relevancy of specific topics:** More than 50% of 66 respondents (66/76) consider these topics relevant to very relevant: President's message, Executive Director's corner, faculty spotlight, academic appointments / leaves, general faculty news, individual faculty news, awards/recognitions and grants, education corner, opportunities, student news, job postings, in memoriam, AFPC conference information, and the CPhA report. More than 10% of the 66 respondents consider the following topics irrelevant: individual publications (16%), individual grants (12%), major visitors (22%), and list of Affiliate Members (11%).

**Personal interest in specific topics:** 64 respondents were personally interested in topics considered relevant (>50% interest) – with little difference whether it was relating to their own faculty/school (73%) or other faculties/schools (72%). As above, several topics were of little to no interest to more than 10% of 64 respondents.

**Student submissions:** 67% (24/36) said "NO" – they would not like to see student submissions to the AFPC newsletter. However, 40 of the 76 participants to the survey had skipped this question.

**Frequency of the newsletter:** monthly (6%), every 2 months (25%), every semester (16%), three times a year (25%), twice a year (17%), once a year (5%). 64 of the 76 survey participants answered this question.

**COLLEGE OF PHARMACY AND NUTRITION**

**Faculty News**

In October 2010, Dean David Hill presented his first annual *State of the College* address to the College family, close partners at the University and representatives from our two professions – pharmacy and dietetics. The event provided an opportunity for the Dean to recap the past year, provide personal reflections, opinions and observations, and look ahead to the coming year. Next year, the Dean’s address will be timed with the release of a redesigned version of the *College Annual Report*.

November 15-19, 2010 was *International Education Week* at the University. Canada joined over 100 countries around the globe to celebrate “the significant contribution that [international education](http://www.iew-sei.ca) makes in preparing Canadians for the global world ([www.iew-sei.ca](http://www.iew-sei.ca)).” Our College was pleased to co-sponsor an event with the Gwenna Moss Centre for Teaching Effectiveness, as part of the week’s celebrations. *Cultural Competency in Health Care – Working Effectively in Multicultural Communities* included a showcase of Pharmacy and Nutrition student posters describing their service learning experiences with 21 community organizations.

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The second *Western Canadian Medicinal Chemistry Workshop* ([www.wcmcw.ca](http://www.wcmcw.ca)) was held this fall at the University. Organized by Dr. Ed Krol from our College and Dr. David Palmer, Department of Chemistry, the workshop brought together western Canadian researchers, postdoctoral fellows, and graduate and undergraduate students interested pharmaceutical sciences. The oral presentations were highlighted by six plenary speakers: Abby Parrill-Baker (Memphis) *Computer-guided Discovery of Autotaxin Inhibitors*; Jack Tuszynski (Alberta-Cross Cancer Centre) *Computational Approaches to the Discovery of New Cancer Drugs*; Frank Schweizer (Manitoba) *Novel Approaches to Antibacterial Chemotherapy Inspired by the Natural Antimicrobial Peptide Scaffold*; Sultan Chowdhury (Xenon Pharmaceuticals, BC) *Discovery of Tricyclic Pyrazolones as DMT1 Inhibitors for Iron Overload Therapy*; Adam Frankel (UBC) *Targeting PRMTs for Inhibition*; and Romas Kazlauskas (Minnesota) *Engineering Serine Hydrolases to Catalyze Unnatural Reactions*. Awards for outstanding posters were presented – PhD: Karen Thai (Saskatchewan) and

In the last AFPC Newsletter, we reported on major initiatives underway in the College – leadership teams and timelines have been established:

- **College Strategic Plan** – leads Roy Dobson and Susan Whiting will guide preparation of the *College’s Strategic Plan 2012-2016*, to be completed by September 2011.
- **BSP Program Evaluation** – lead Roy Dobson and Merry Beazely will work with the Executive and College faculty to conduct this evaluation, in concert with the BSP Accreditation Review.
- **BSP Accreditation Review** – leads Dennis Gorecki, Linda Suveges and Derek Jorgenson have established a Self-Assessment Committee, which includes faculty, students and practitioner representatives. The site visit is expected to take place in November.
- **Pharmacy Program Redesign** – leads David Hill and Yvonne Shevchuk are drafting a position paper on the redesign of the professional degree, and will seek feedback from stakeholders, with the aim of securing approval and funding for a new program to begin September 2014.

Rui Guo (Saskatchewan); MSc: Krishna Bodapati (Alberta) and Malyaj Narwaley (Alberta); Undergraduate: Michael Bosch (Calgary) and Lindsey Usher (Saskatchewan); and Postdoctoral: Karin E van Straaten (Saskatchewan). The organizers plan to host the third Workshop in 2012.



L-R: Dr. Palmer, Dr. Krol

The *Continuing Professional Development for Pharmacists* unit is currently offering training to all Saskatchewan pharmacists as we move toward pharmacists having certain prescribing privileges. The *Saskatchewan Drug Information Service* (SDIS) recently added a page on drug shortages to its website [www.druginfo.usask.ca](http://www.druginfo.usask.ca). It includes a list of drugs that have recently been or are currently being shorted, along with suggestions for alternatives that might be suitable while these drugs are unavailable. Shannon Appel, who works from Regina on the SDIS consumer line evening on-call service, has received a *Commitment to Care & Service Award* for the category *Advanced Learning*. The award was attributed in part to her work with SDIS – congratulations Shannon!

### Individual Faculty and Staff News

Faculty, staff and students were delighted to hear the news that the Canadian Foundation for Pharmacy has recognized Professor Bev Allen with the *2010 Pillar of Pharmacy Award*. Bev joins previous distinguished award winners for his life-long commitment and contributions to the profession of pharmacy in Canada. The College looks forward to celebrating this wonderful achievement with Bev at a gala to be held on March 23, 2011.

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In 2007, the College proposed a *Health Quality Improvement Initiative for the Health Sciences*, for University-wide consideration, to be led by a *Chair of Quality Improvement Science and Interprofessional Health Education*. We are delighted to report that funding and approvals are in place between partners – Saskatchewan Ministry of Health, Saskatchewan Health Quality Council (HQC), Saskatchewan Health Research Foundation and the University to establish the Chair. The Chair will be a recognized scholar in the area of health quality improvement who will facilitate the delivery of health sciences curricula focused on excellence and quality outcomes, achieved through effective IP collaboration and the application of QI science. A campus-community event was held in November to announce this exciting development. *The Science of Improving Healthcare Quality: Challenges and Opportunities* was presented by Dr. Ross Baker, University of Toronto, Dr. Peter Griffiths, King's College London, and Drs. Gary Teare and Tanya Verrall from the HQC.

### Grants and Research Update

The *Drug Design and Discovery Research Group* in the College has received a Saskatchewan Health

Recruitment has begun for our new *Chair in Rational Drug Design*. The Chair will be a distinguished scholar with documented success in conducting research in the area of drug design, which may include expertise in structural biology and/or computational methods. This position will present outstanding opportunities for the successful candidate. The Chair will facilitate exchange of ideas and team research on the intricacies of drug design within our College's *Drug Design and Discovery Group*, researchers across campus, notably at the *Canadian Light Source* synchrotron and in the *Molecular Design Research Group*, and with scholars from other institutions and partners in industry.

Jane Cassidy and Doreen Walker, Professional Practice Coordinators in Pharmacy and Nutrition, respectively, and colleagues from Clinical Psychology, Medicine, Nursing, Physical Therapy and Social Work, are proud recipients of the *2010 Provost's Prize for Innovative Practice in Teaching and Learning*. The award recognizes their innovative work in interprofessional health sciences problem-based learning. Jane and Doreen have been active leaders in this group for many years, and their excellent efforts are continuing to strengthen collaborative learning in health related topics, including care of patients with HIV/AIDS, palliative care, and Aboriginal health and healing.

Research Foundation (SHRF) Group grant. Dr. Ildiko Badea is working on the design and development of targeted multilayered lipid-based nanoparticles for non-viral mucosal gene delivery, funded through the support of a *SHRF New Investigator Establishment Grant*. Dr. Hassan Vatanparast has received *SHRF New Investigator* funding as well for his work on immigrant and refugee health.

The College has recruited Dr. Lori Ebbesen to a shared *Research Facilitator* position with our College, the College of Kinesiology, and Research Services. Positions such as this have recently been created to maximize University research success. Lori will be responsible for assisting principal investigators and research teams, in our two colleges, to develop funding proposals for research projects and strategic initiatives, notably with the aim of increasing Tri-Agency funding, using her specialized knowledge of the research community and the research funding enterprise. The College is fortunate to also have a Research Officer, Melissa Smith, who provides administrative support to Associate Dean Research and Graduate Affairs Fred Rémillard and the College's research programs.

A Town Hall was held in December to discuss ‘wet lab’ research space in the new *Academic Health Sciences* facility currently under construction. Subsequent to the meeting, faculty provided research profiles to the Council of Health Science Deans (CHSD). A CHSD Research Space Working Group will use this information to ensure that faculty researcher needs are met in D and B Wings (pictured below) of the new facility, to which they will move in mid-2012.



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**Undergraduate Program News**

The *18<sup>th</sup> Annual Pharmacy Professional Enhancement Day* was held in October, at which time Dr. Ken Stakiw spoke with students, faculty and staff about the vital role of the interprofessional palliative care team. The *White Coat Ceremony* was held in early November to welcome first year Pharmacy students to the College and the profession. Dr. Derek Jorgenson gave the *Welcoming Address*, and leaders in our College and profession presented the white coats to our students.

from across Canada. The conference was organized by an Executive Planning Committee and Co-Chairs Nicole Zelensky and Allana McIntyre, along with approximately 80 volunteer students from the College.

The CAPSI student body of the College hosted the annual *CAPSI Professional Development Week* (PDW 2011) in Saskatoon from January 12-15. The theme was “Wide Open Future,” acknowledging that the possibilities for pharmacists are as endless as the Saskatchewan horizon! Recognized as one of the largest gatherings of the profession, this conference was well received with approximately 600 students in attendance, representing all the schools of Pharmacy



**PDW 2011 Executive Planning Committee**

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A number of students from the U of S received awards in this year’s *CAPSI Awards and National Competitions*: CAPSI-CPJ Student Literary Challenge 4<sup>th</sup> place: Jessica Gagatek; Pharmasave Patient Interview Competition 3<sup>rd</sup> place: Jessica Gagatek; Pfizer Consumer Healthcare OTC Competition 4<sup>th</sup> place: Roger Loor; Medisca Compounding Competition 4<sup>th</sup> place team: Mandi Halter, Dan Thompson, Mike Wilson, Adrian Chow; Pfizer Guy Genest Passion for Pharmacy: Kaitlyn McMillan; CSHP-CAPSI: Jessica Gagatek.

Plishka, Justin Fichter, Mandy Paziuk and Andrea Tang.



**L-R: A. Plishka, J. Fichter, M. Paziuk, A. Tang  
Photo Credit: Tim Thieu**

The University of Saskatchewan fielded three successful candidates for the following **CAPSI National Executive** positions: VP Communications: Amy Lamb; VP Education: Graham Houk; and President Elect: Jeff Wandzura.



**L-R: G. Houk, B. Allen, A. Lamb, J. Wandzura**

### Graduate News

Graduate enrolment is at its highest point ever, with 59 students. This has been a busy year, with many graduate student events, including an *Orientation Program* for new students, a welcome social and *Student Mystery Tour* at the Western Development Museum, and a *Graduate Programs' Showcase*.

The College wishes success to recent pharmacy graduates: Mukasa Bagonluri, MSc (Supervisor Dr. Marianna Foldvari ), *Evaluation of the purity and*

*dispersion of single walled carbon nanotubes as potential pharmaceutical excipients*; Wanpeng Sun, PhD (Supervisor Dr. Jian Yang), *Biochemical Analyses of RIZI Methyltransferase (PR) and Dichlorohydroquinone Dioxygenase (PCPA)*; and Katherine Maloney, MSc (Supervisor Dr. Ed Krol), *Synthesis of analogues of nordihydroguaiaretic acid and their oxidative metabolism*. Brian Fahlman (Supervisor Dr. Krol) recently defended his doctoral thesis entitled *In vitro studies to assess the potential of Quercetin as a topical sunscreen; photooxidative properties, photostability and inhibition of UV radiation-mediated skin damage*.

Isaac Asiamah, on leave from the University of Cape Coast in Ghana, is completing PhD studies under the supervision of Dr. Ed Krol. Isaac recently took part in a three month internship in the Spiez Laboratory at the Swiss Federal Department of Defence, Civil Protection and Sports. He received training in the handling and synthesis of compounds related to chemical warfare agents, and in the analytical methodology and protocols in place to monitor for the presence of chemical weapons. In future, Isaac will provide guidance to the Ministry of Environment, Science and Technology in Ghana regarding implementation of the Chemical Weapons Convention (CWC). The CWC has been ratified by both Ghana and Canada.

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At the recent *endMS* Conference in Saskatoon, Jotham Gan received first place for his poster *Qkl-5 expression alters CG4 oligodendroglial cell morphology*. LaRhonda Sobchishin was awarded second place for her poster *Development of a new cerebral hemisphere organ culture method for newborn mouse brain*. Jotham is studying with Dr. Adil Nazarali, and LaRhonda is a technician with Adil's research team. Julia Bareham, MSc student (Supervisor Dr. Derek Jorgenson), was recently awarded the *Sanofi-Aventis Scholarship in Pharmacy* and the *F.J. Fear Post-Graduate Scholarship*. The *Pfizer Canada Inc. Centennial Research Award* was shared between two deserving MSc students: Jotham Gan (Supervisor Dr. Adil Nazarali) and Erin Yakiwchuk (Supervisor Dr. Dave Blackburn). Erin is also the recipient of the *Ford Postgraduate Scholarship*. Jena Boyko, another MSc student on Dr. Blackburn's research team, has been

awarded the *Ramsey Postgraduate Fellowship* and the *Alf Pepper Research Award*.

### Alumni News

The College is preparing for upcoming alumni events and reunions in 2011. We will be hosting *Saskatchewan Nite*, an evening of reminiscing and reconnecting with the College, at the Canadian Pharmacists Association Annual Conference in Montreal, on May 30, 2011. We will be welcoming the classes of 1961, 1971 and 1986 from June 23-25 for the University's *Honoured Years Reunion*. A number of other BSP classes have expressed interest in holding reunions in conjunction with this event. For more information on any of the above activities or to discuss future events, please contact Heather Dawson at [heather.dawson@usask.ca](mailto:heather.dawson@usask.ca).



UNIVERSITY OF ALBERTA

**Retirements and Departures**

**Shirley Swift**, Executive Secretary to the Dean retired on December 31, 2010 after 13 years with the faculty. The faculty would like to thank Shirley for all of her hard work and wish her the best in her retirement.

**Cindy Nelson**, will be leaving the position of Acting Director, Practice Development on January 31, 2011. Cindy has been with the faculty in various capacities for over 8 years. We thank her for her contributions to the faculty and wish all the best for her future career plans.

**Grants**

**Dr. Lars Oliver Klotz** was the recipient of a Canada Research Chair, a first for the Faculty of Pharmacy and Pharmaceutical Sciences. His research focuses on the mechanisms by which reactive oxygen species are generated and how and to what end they disrupt or stimulate cellular and inter-cellular communication pathways.

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**General Faculty News**

**Pharmacy students stepped on the stage for prostate cancer research: Mr Pharmacy**

Prepared by Brett Edwards, VP External 2010-2011, APSA

On Wednesday December 1, 2010, the Alberta Pharmacy Students' Association (APSA) hosted *Mr. Pharmacy 2010*. Faculty members and students from the Faculty of Pharmacy and Pharmaceutical Sciences were invited to come out and cheer on 8 contestants who were competing for the illustrious title of *Mr. Pharmacy 2010*. The 8 contestants (2 from each graduating year) competed in a series of competitions, including a pill-dispensing competition, a talent competition, a beachwear competition, a professional-attire competition and a question and answer period. In spite of stiff competition from all contestants, Tim Leung (Class of 2011 and APSA's Past-President) was awarded the title of *Mr. Pharmacy 2010*.

In addition to the entertainment it provided, *Mr. Pharmacy* served as a venue to raise awareness and funds for prostate cancer research. With a silent auction on site, funds were raised to support the work of Prostate Cancer Canada. The funds raised through ticket

**Awards**

Congratulations to the following award winners:

**Dr Michelle Foisy**, along with colleague Dr. Alice Tseng, were recipients of the Commitment to Care Service Award (CCSA) from the Canadian Health Network for their commitment to HIV, as well as the development of the HIV Drug Therapy Handbook and website are recognized as the leading international authoritative resources on HIV drug information.

**Dr Cheryl Sadowski** was awarded Fellow status with the Canadian Society of Hospital Pharmacists.

**Dr Cheryl Sadowski** was the recipient 2010 Practitioner Award", from the Alberta Branch of the Canadian Society of Hospital Pharmacists.

sales, donations, and the silent auction totaled \$5950 and will go directly to Prostate Cancer Canada to be used for research and awareness of prostate cancer.

APSA was thrilled with the response and support for this event and is already looking forward to *Mr. Pharmacy 2011!*



*"Mr Pharmacy"*  
(credits: Just Married Photography)

## For the first time, pharmacy students participated in the annual Influenza Campaign

Prepared by Hoan Linh Banh, Pharm.D., Associate Professor

In April 2010, the University of Alberta, Faculty of Pharmacy and Pharmaceutical Sciences developed an educational program to certify the third year Pharmacy Students. The program was approved by the Alberta College of Pharmacists Council. One hundred and eight of the third year Pharmacy Students were certified. The students are able to administer drugs by injection under the supervision of a registered pharmacist. They will be eligible to register to administer drugs by injection in July 2011. In order for the students to maintain their injection skills, the Faculty and the University Health Centre in collaboration with The Alberta Health Services, Alberta Health & Wellness, Risk management and Human Resources organized two influenza clinics for the Pharmacy Students to participate. The clinics took place on November 16 and 17 at two extension campuses. There were 45 student participants with 10 volunteered pharmacists assisting in the supervision of the injections. Between the two days, a total of 270 doses of influenza vaccine were given. These are the very first Pharmacy Students in Alberta to become engaged in this activity.

The Faculty would like to express our gratitude and appreciation to all the stakeholders and the volunteered pharmacists. Without their assistance, this historical event would not be possible.

## Faculty Research Day

The Faculty of Pharmacy and Pharmaceutical Sciences Research Day honoring Dr Ed Knaus was held on November 19, 2010 with over 74 abstract presentations by faculty, graduate and undergraduate students. The keynote speaker was Dr Ed Knaus, Professor Emeritus, with the title of his talk being “*Some Adventures in Organic, Bioorganic, Medicinal & Radiopharmaceutical Chemistry: Drug Design Concepts & Discovery*”.

Best Overall Platform+ AFPC Travel Award (Top- ranked graduate student) - Arash Falamarzian  
Second Best Platform - Mohammed El- Gendy  
Honourable Mention Platform 1 - Hassan Althurwi  
Honourable Mention Platform 2 - Michael Lam  
Honourable Mention Platform 3 - Mahtab Tavasoli  
Honourable Mention Platform 4 -Samar Hamdy

Honourable Mention (Poster Presentations)

- Tasneem Siyam
- Forugh Sanaee
- Haitham El- Sikhry
- Alyaa Ibrahim
- Rania Soudy

Toxicology Research Group - Michael Carew  
PGSA - Susmita Sarkar

Merck Foundation Summer Student Award (Undergraduate) - Sarah Hocevar

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## UNIVERSITY OF BRITISH COLUMBIA

### General Faculty News

#### “Building update: Planning for a high tech learning environment.”

With each passing day, the structural framework of the new Faculty of Pharmaceutical Sciences building at the University of British Columbia can be seen emerging at the intersection of Wesbrook Mall and Agronomy Road. Behind protective fencing, the foundation is being built bit by bit and in a matter of time the height of the exterior walls will grow. While architects, engineers and construction workers busy themselves with rebar and concrete, a collaborative design team has been focusing on creating state-of-the-art learning environments in the new building for small and large classes.

Educational Technology Analyst Jon-Paul Marchand is project managing the group, which is made up of Faculty members and learning tech consultants. Their goal is to ensure that the new building facilitates learning that is student-centred and makes use of the latest educational technologies. Each environment is being designed with a pedagogical perspective and an emphasis on Constructivist learning principles. “Different classrooms will have different uses and therefore require different technologies,” explains Jon-Paul. “It’s critical to test and evaluate the range of solutions and learning designs available to determine what works in each specific context and what doesn’t. This evaluation safeguards against the implementation of inept technology.”

Under Jon-Paul's direction, the learning environment design team is conducting a needs and implementation analysis with the Faculty and students. The analysis includes evaluating student and Faculty use of new interactive technologies, online learning, Learning Management Systems and lecture capturing software. The group is also working with Faculty members to determine if and how certain learning tools could improve their practices and pedagogical approach. "We're also partnering with other UBC departments and faculties to share ideas, knowledge and resources surrounding educational technology," says Jon-Paul. "There are a number of training and demonstration sessions for new and upcoming education tech that I have been participating in as well."

The learning environments planned to date are impressive and feature a robust roster of interactive technologies. These include a private multimedia recording room, cutting edge multi-purpose lab with remote lab access and small case-based learning labs utilizing portable tablet computers and interactive screens to allow for collaborative learning. The Story of Medicines, a unique exhibit that traces the steps of how a drug is made, will boast interactive display walls, 3D graphics, Motion Capture Technology, and touch enabled maps.

Learning spaces will also make use of video conferencing, wireless tablet and interactive whiteboard technologies to allow for a "teach and learn" anywhere atmosphere. "I just finished testing a portable tool that allows for standard whiteboards to be captured and saved on a computer," says Jon-Paul. "The tool also makes Internet broadcasting possible so that

whiteboards can be shared with students in remote locations."

Last but not least, mobile platforms including the iPhone and iPad are being explored as the next generation of Lecture Capturing technology. According to Marchand, mobile devices will serve to bridge the gap that exists between synchronous and asynchronous learning.

"I wish I had all of these cool gadgets when I was going to school," grins Jon-Paul. "Our students and Faculty are going to love the flexible and dynamic learning that this new technology makes possible." To learn more about the UBC Faculty of Pharmaceutical Sciences and our new building, visit [www.pharmacy.ubc.ca](http://www.pharmacy.ubc.ca).

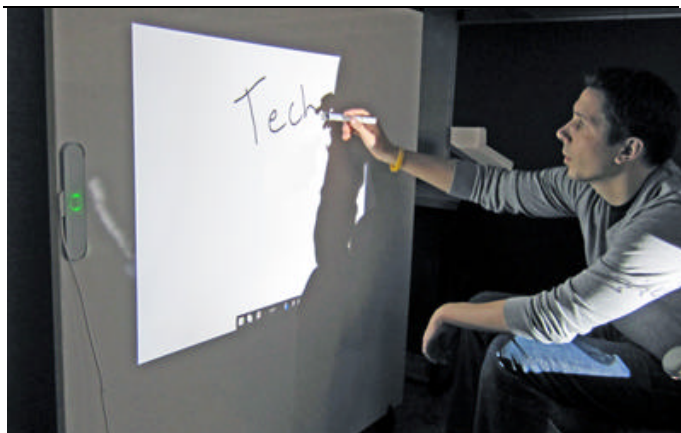


Photo Credit Information

Caption:

*Jon-Paul Marchand, Education Technology Analyst, tests Luidia eBeam, an interactive whiteboard technology. Photo and article by Jimi Galvão*

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## Curriculum Renovation

Curricular reform efforts do not end with the design and implementation of a new curriculum. There is an ongoing process of curricular evaluation, including inquiry into the extent to which curricular goals are being met, and consideration of what needs to be improved, why, and how (Hubball & Burt, 2007; Hubball & Pearson, 2010). The current entry-to-practice curriculum was carefully constructed over a period of several years, in a Faculty-wide effort led by Dr. Helen Burt. The curriculum debuted in September 2003, with the first graduates completing the program in May 2007. Demolition and reconstruction of this curriculum are not in order yet, but it is time for some preventative maintenance and updating. To that end, the Faculty has

been engaged in a variety of curriculum renovation efforts over the past year.

Beginning with a small group from the Faculty attending a Curricular Change Summit hosted by the American Association of Colleges of Pharmacy in September 2009, the entry-to-practice curriculum has been the subject of three Faculty retreats; several months of brainstorming and field research by ad hoc committees that addressed issues of admission requirements and program pre-requisites, curricular structure and content, instructional and assessment strategies, and the use of instructional technology; and the drafting of a new academic strategic plan.

Parallel to these intensive but short-term efforts, more permanent mechanisms for enhanced curricular oversight have been established through a major revision to the governance model for the Faculty that occurred within the past year. The Associate Dean Academic, Dr. David Fielding, is now aided by a Director of the Entry-to-Practice Program, Ms. Marion Pearson, with responsibilities for ensuring that the curriculum is appropriately integrated and that the program provides a high-quality educational experience that helps students develop the necessary knowledge, skills and attitudes needed by the pharmacy practitioners of the future. Assisting in these efforts are several Program Coordinators, including the Director of the Structured Practice Education Program (Dr. Rosemin Kassam) and Faculty members appointed in March 2010

as Year Coordinators (Year 1: Mr. Simon Albon, Year 2: Ms. Colleen Brady and Dr. Kishor Wasan, Year 3: Dr. Arun Verma, and Year 4: Ms. Tessa Nicholl). One responsibility of these individuals is to work with Course Coordinators in each year of the program and with each other to identify opportunities for enhanced horizontal and vertical curricular integration.

Through the revised governance model, a new standing committee, the Program Development Committee, chaired by Dr. Ingrid Price, has also been created, with a mandate that includes advising the Faculty on curricular change. The work of these groups is supported by the staff of the Faculty's Office of Educational Support and Development, Ms. Sharon Brown and Ms. Denise Mok.

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Curricular change takes time, but already some of the work of the past year is having an impact. For example, the ad hoc committee investigating curricular content identified a deficiency in the area of physical assessment. This is a significant gap, because the ability to conduct physical assessments is an essential skill for pharmacists engaged in their full scope of practice. Consequently, a 3-hour tutorial on measuring vital signs has been developed by Mr. Tony Seet, Ms. Colleen Brady, and Mr. Tamiz Kanji, which will be offered in January 2011 to all 1st, 2nd, and 3rd year students in their Pharmacy Skills courses.

create a "super case" for PHAR 399 - Cases in Pharmaceutical Sciences II that would incorporate content from all the courses. In third year, there are efforts underway to create disease state modules that would be team-taught by individuals whose teaching is currently confined to their particular disciplinary area, such as pharmacology, therapeutics, non-prescription drug therapy, etc.

These curricular renovation initiatives are all works in progress, and will need to be evaluated. However, they have the potential to enhance the program, and to provide a stimulus for further positive change in the future.

The current intention is to develop two additional physical assessment tutorials over the next two years, one for 2nd year and one for 3rd year, so that there will be a progression of skills learned over the 3 years. The work of the Year Coordinators in bringing together the Course Coordinators is also beginning to enhance horizontal integration in the curriculum. In first year, several linkages between courses have been created. For example, the patient history required for one case in PHAR 299 - Cases in Pharmaceutical Sciences I will be obtained through an interview role-play in PHAR 202 - Pharmacy Skills I. Also, the chemical structures of various drugs used as examples in PHAR 220 - Physicochemical Properties of Drugs have been incorporated into the list of drugs students become familiar with in PHAR 202. In second year, the coordinators of all the courses have been working to

#### References:

Hubball, H. T., & Burt, H. (2007). Learning outcomes and program-level evaluation in a 4-year undergraduate pharmacy curriculum. *American Journal of Pharmaceutical Education*, 71(5), Article 90, 1-8.

Hubball, H. T., & Pearson, M. (in press). Scholarly approaches to curriculum evaluation: Critical contributions for undergraduate degree program reform in a Canadian context. In M. Saunders, P. Trowler, & V. Bamber (Eds.), *Reconceptualising evaluative practices in higher education*.

Submitted by Marion Pearson, Director, Entry-to-Practice Program

### **New Admissions Process**

With the start of the New Year, we begin preparations to admit the new cohort of future pharmacists. This year, for our expanded program, we will be admitting 224 students. To select for the best, approximately 320 to 350 applicants will be continuing with our Mini Multiple Interviews (MMI), an interview format that we introduced last year.

The MMI is based on the Objective Structured Clinical Evaluation (OSCE) tool that was successfully used for over a decade to assess the clinical skills in the McMaster Medical Education program. The applicant must deal with questions, issues, scenarios etc., at a series of stations, each of which has a different interviewer, who will rate the candidate's performance at that station. Unlike the OSCE, the MMI scenarios do not (necessarily) relate to clinical practice but rather to issues about which an applicant should have reasonably sophisticated knowledge.

The interviewer receives background information on the question or scenario, which assists them in challenging

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Dr. Rosemin Kassam was appointed as Director of SPEP on January 1st, 1999. After 10 years of significant contributions in this position, Rosemin stepped down as Director (effective December 1st, 2010) in order to pursue other areas of research interest, including her international health work in Uganda, for which she has received CIHR and Hampton grant awards.

Dr. Angie Kim-sing's appointment as Acting Director of SPEP was effective December 7th, 2010. Angie has worked with the SPEP team for a number of years and brings tremendous knowledge, expertise and experience to her new role. She has been involved in many planning activities for SPEP and is ready to provide leadership as the faculty expands and develops SPEP rotations and sites.

Jimi Galvao, Communications Officer: We were very fortunate to have Jimi Galvao join our Faculty in December. As Communications Officer, Jimi will be developing and implementing communication strategies in support of the Faculty; focusing on the construction of our new building and the associated \$27.7 million campaign (2010-2015), as well as promoting related fundraising and alumni/student/community engagement activities.

the applicant's ideas or positions. A successful applicant will therefore be one who has a wide body of knowledge with which to address the presented scenario and can deal with the challenges from the interviewer or situation as it develops.

### **Getting Graduates Practice Ready**

Recent legislation changes in a number of Canadian jurisdictions permit pharmacists to provide immunizations. In order to make our graduates practice-ready, the Faculty arranged to have the injections training program available to graduating students of 2010. Several 4th year students took the initiative to complete the training prior to becoming licensed. Three successful workshops were organized in April, May and June 2010 in partnership with the BC Pharmacy Association. This training is to be expanded and incorporated as part of our required Entry-to-Practice curriculum.

Submitted by Sharon Brown, OESD

### **Recent Publications and Awards:**

Roxane Carr and Mike Legal received the 2010 Canadian Society of Hospital Pharmacy BC Branch Mentorship Awards.

Shane Pawluk, Roberta Esau, and Roxane Carr received one of two Canadian Society of Hospital Pharmacy 2011 Pharmacotherapy Best Practices Awards.

Roxane Carr will be conferred Fellow status by the Canadian Society of Hospital Pharmacy (FCSHP) at the 2011 Professional Practice Conference in Toronto on January 31.

Denise Sprague and Mary Ensom received the 2010 Canadian Society of Hospital Pharmacy BC Branch Publication (Review Article) Award.

Rosanne Thalakada, Tim Lau, Michael Legal, and Mary Ensom received one of two Canadian Society of Hospital Pharmacy 2011 Specialties in Pharmacy Practice Awards.

Eric Poulin, Erica Greanya, Nilufar Partovi, and Mary Ensom received one of two Canadian Society of Hospital Pharmacy 2011 Specialties in Pharmacy Practice Awards.

## Student news

56th International Pharmaceutical Students' Federation World Congress - An Unforgettable Congress in Ljubljana, Slovenia

By Shirley Yeung

Canada was well represented at this international event with twelve Canadians from four pharmacy schools. Of the Canadian delegates, there were four UBC alumni, Liora Berant (2009), Eric So (2009), Pamela Fu (2010), and Shirley Yeung (2009). There was also a UBC third year student, Suzanne Soneff, who was the official delegate for Canada as the national IPSF representative for the Canadian Association of Pharmacy Students and Interns (CAPSI).

The world congress meant ensuring smooth operation for the ten days, but also the development of engaging workshops and events for the world congress participants. This included the Leaders-in-Training (LIT) Program, Patient Counselling Event, Clinical Skills Event, and Professional Pharmacy Awareness Campaign workshop. Eric, Pamela, and Suzanne all participated in the LIT, which was a multi-day workshop designed to empower students and young professionals to become future leaders. Pamela also represented UBC in the Patient Counselling Event and successfully qualified to the final rounds in the advanced level.

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## DALHOUSIE UNIVERSITY

### Academic Appointments

Dr. David Gardner was promoted to Full Professor effective July 1, 2010.

Dr. David Jakeman was promoted to full Professor effective July 1, 2010.

### Individual Faculty Member News

Pollen Yeung has been invited to co-chair a symposium session on "Pharmacokinetics of antibody therapeutics" with Andrea Baumann (Bayer Schering Pharma Aktiengesellschaft, Berlin) at the International Congress on Antibodies, March 23 - 25, 2011 in Beijing, ROC (<http://www.bitlifesciences.com/ica2011/program.asp>).

Susan Mansour, AFPC's representative to the Canadian Council for Accreditation of Pharmacy Programs (CCAPP), is the current President of this organization.

Neil MacKinnon has been appointed as a member of the Cobequid Community Health Board. There are seven community health boards in Nova Scotia's Capital Health District.

The following project was awarded the "Pharmacotherapy Best Practice Award" by the Canadian Society of Hospital Pharmacists: Whelan AM, Jurgens TM. *Development and Evaluation of an Instrument for the Critical Appraisal of Randomized Controlled Trials of Natural Products*. Funding for this

project was from the Dalhousie Pharmacy Endowment Fund.

Neil MacKinnon was a contributor to the Health Council of Canada's report: *Decisions, Decisions: Family Doctors as Gatekeepers in the Use of Prescription Drugs and Diagnostic Imaging in Canada*. The entire report can be accessed at: [http://healthcouncilcanada.ca/docs/rpts/2010/HSU/DecisionsHSU\\_Sept2010.pdf](http://healthcouncilcanada.ca/docs/rpts/2010/HSU/DecisionsHSU_Sept2010.pdf)

Ingrid Sketris was inducted as an Inaugural Member of the Nova Scotia Health Research Foundation (NSHRF) Decade Club. This Club honors and recognizes individuals who have had an ongoing relationship with NSHRF for 10 consecutive years by fostering and supporting NSHRF through awareness of the value of health research in the province of Nova Scotia and beyond. The induction ceremony was held at the NSHRF 10<sup>th</sup> Anniversary Celebration on December 6, 2010.

Ingrid Sketris received the Unsung Hero Award, Nova Scotia Health Research Foundation and was featured in the Nova Scotia Health Research Foundation Annual Report. [www.nshrf.ca](http://www.nshrf.ca).

Ingrid Sketris has been appointed to the Health Council of Canada as a non government Councillor representing the Province of Nova Scotia.

<http://www.healthcouncilcanada.ca/en/index.php>

Neil MacKinnon was interviewed by the media for the following stories/reports in recent months:

"Anesthetic shortage worries hospitals", [www.cbc.ca](http://www.cbc.ca) and CBC Radio, Jan 6, 2011

"Bad Medicine" by Anna Sharratt, *Chatelaine*, Jan 2011, pg 73.

CBC Radio International story on family physicians and prescribing, Oct 6, 2010.

"E-health drug records lead to estimated \$436M in savings and efficiencies: study". The Canadian Press (Anne-Marie Tobin), October 6, 2010.

"Medication labels have led to deadly mistakes: pharmacists". *The National Post*, Sept 30, 2010.

CBC Radio story on family physicians and prescribing, Sept 27, 2010 (CBC Radio Sydney, Halifax, St. John's, Vancouver, Ottawa, Winnipeg, Whitehorse and Edmonton).

Drs. David Gardner and Michael Teehan have recently written, *Antipsychotics and Their Side Effects*. This clinician's guide to rational antipsychotic treatment selection and patient monitoring comprehensively reviews antipsychotic side effects in 20 chapters and provides support for treatment selection and monitoring via comparative reviews of each antipsychotic. Clear

monitoring recommendations that can be implemented in clinical practice are provided. The authors acknowledge the contributions of many pharmacy students who supported the book's research as well as many others, including a local artist living with a mental illness who provided the painting shown on the book's cover.

[http://www.cambridge.org/ca/knowledge/isbn/item5634702/?site\\_locale=en\\_CA](http://www.cambridge.org/ca/knowledge/isbn/item5634702/?site_locale=en_CA)



## Antipsychotics and their Side Effects

David M. Gardner  
and Michael D. Teehan  
Foreword by Ross Baldessarini

CAMBRIDGE Medicine

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### Presentations

Dr. Peter J. Zed gave the following invited presentations:

"Acute Pain Management in Trauma". Dalhousie University CME, 37th Annual February Refresher: Emergency Medicine, Halifax, NS, February 4, 2011

"Procedural Sedation and Analgesia in the ED". Dalhousie University CME, 37th Annual February Refresher: Emergency Medicine, Halifax, NS, February 4, 2011

Infectious Disease Management in Emergency Medicine, Canadian Association of Emergency Physicians Infectious Disease Roadshow, Dalhousie University CME, 37th Annual February Refresher: Emergency Medicine, February 2, 2011

"Funding Opportunities and Grant Writing". Research Workshop, Canadian Society of Hospital Pharmacists, 42nd Annual Professional Practice Conference, Toronto, ON, January 29, 2011

"Research Opportunities for Pharmacists". Research Workshop, Canadian Society of Hospital Pharmacists, 42nd Annual Professional Practice Conference, Toronto, ON, January 29, 2011

"Infectious Disease Management in Emergency Medicine", Canadian Association of Emergency Physicians Infectious Disease Roadshow, Emergency Week in Montreal McGill Conference, Montreal, QC, December 8, 2010

"Infectious Disease Management in Emergency Medicine", Canadian Association of Emergency Physicians Infectious Disease Roadshow, Kingston ON, November 22, 2010

"Pain Management in Trauma: The Missed Intervention", St. Michael's Hospital Trauma and Emergency Medicine Conference, Toronto, ON, November 10, 2010

## Publications

Perrott J, Henneberry RJ, Zed PJ. Thrombolysis in cardiac arrest: case report and systematic review of the literature. *Ann Pharmacother* 2010;44:2007-13.

Ackroyd-Stolarz S, Read Guernsey J, MacKinnon NJ, Kovacs G. The association between a prolonged stay in the emergency department and adverse events in older patients admitted to hospital: a retrospective cohort study. *BMJ Quality and Safety*. 2011; doi: 10.1136/bmjqs.2009.034926

Scobie AC, Boyle TA, MacKinnon NJ, Deal H, Mahaffey T. Perceptions of community pharmacy staff regarding strategies to reduce and to improve the reporting of medication incidents. *Can Pharm J* 2010;143:296-301.

MacKinnon NJ. A vision for hospital pharmacy in Canada. *Canadian Journal of Hospital Pharmacy*. 2010; 63(5): 404.

MacKinnon NJ. Achieving hospital pharmacy's dream in Canada. *Journal of Pharmacy Practice and Research*. 2010; 40(3): 174-5.

## Grants

Whelan AM, Jurgens T, Yuksel N. Bioidentical Hormone Therapy: 1) A Survey of Nova Scotia Pharmacists Knowledge and Beliefs; and 2) A Systematic Review of the Evidence Regarding the Safety and Efficacy of Bioidentical Hormone Therapy for Non-Vasomotor Menopause-Related Symptoms. Received funding (\$13,458.40) from the Dalhousie Pharmacy Endowment Fund (Apr 2011 to Apr 2012).

## Student News

Four undergraduate pharmacy students recently were named "Academic All-Canadians" in recognition of their high academic standing while competing in a varsity sport. The students recognized and the sport played are: Benoit Gervais (Class of 2014), hockey; Johannah Profit (Class of 2013), swimming; Philippe Boilard (Class of 2010), swimming; and Russell Christie (Class of 2010), cross-country and track and field.

Christine Michaels' poster entitled "Cost of Public Health Delivery of Childhood Immunizations in Nova Scotia" was presented as an Encore presentation at the International Society of Pharmacoeconomics and Outcomes Research (ISPOR) 4<sup>th</sup> Asia-Pacific Conference in Phuket, Thailand September 5-7. Her

Supercenau B, van Zanten SV, Skedgel C, Shepherd M, Sketris I. 2010. The rate of prescribing gastrointestinal prophylaxis with either a proton pump inhibitor or a H2-receptor antagonist in Nova Scotia seniors starting non-steroidal anti-inflammatory drug therapy. *Canadian Journal of Gastroenterology*; 24(8):481-488.

Cameron C, van Zanten SV, Sketris I, Skedgel C, Flowerdew G, Moayyedi P. 2010. Cost-Utility analysis of proton pump inhibitors and other gastro-protective agents for prevention of gastrointestinal complications in elderly patients taking non-selective non-steroidal anti-inflammatory agents. *Alimentary Pharmacology and Therapeutics*; 31; 1354-1364. DOI: 10.1111/j.1365-2036.2010.04350.x

Groves KEM, Schellinck T, Sketris I, MacKinnon N. 2010. Identifying early prescribers of cyclooxygenase-2 inhibitors (COX-2s) in Nova Scotia, Canada: Considerations for targeted academic detailing. research in social and administrative pharmacy; 6:257-267. DOI:10.1016/j.sapharm.2009.09.003.

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poster received an honorary mention award. She was a Drug Use Management and Policy Resident.

Jerry (Zhe) Ren, a Drug Use Management and Policy resident, presented a poster entitled: "A Multilevel Analysis of Price Differentials for a Selected Cohort of Drugs" at the Canadian Institutes of Health Research – Institute of Health Services Policy Research – Canadian Association for Health Services and Policy Research 2010 Conference in Toronto May 10-13. His poster received First Prize.

Judith Fisher, Post doctoral Fellow, Network End of Life Studies Interdisciplinary Capacity Development (NELS ICE) and Drug Use Management and Policy resident, has been selected as a Pharmaceutical Policy Research Collaboration (PPRC) Fellow. The PPRC Fellows are recognized for their contributions to pharmaceutical policy issues of importance to Canadians. Their work spans a range of topics, including evidence-based drug coverage policy, chronic disease management, safety of medicine use during pregnancy, and policies to improve access to medicines in Canada and internationally.

<http://www.pharmaceuticalpolicy.ca>



## L'UNIVERSITÉ LAVAL

### Individual Faculty News

Le Dr Éric Biron, professeur adjoint, a obtenu 304 209 \$ en subvention du Fonds des leaders de la Fondation canadienne pour l'innovation (FCI). Celle-ci a injecté 118 381 \$ alors que d'autres partenaires, tels le Ministère de la Santé et des Services sociaux (MSSS) ont investi 118 381 \$ et que d'autres fournisseurs ont complété le montant en ajoutant 67 447 \$.



Le professeur Éric Biron de la Faculté de pharmacie, en compagnie de L'honorable Josée Verner, Ministre des Affaires intergouvernementales, présidente du Conseil privé de la Reine pour le Canada et ministre de la Francophonie

Le Dr Matthieu Guitton, professeur sous octroi, s'intéresse aux avatars, plus spécifiquement aux facteurs permettant d'optimiser l'immersion dans les

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### General Faculty News

Dans le cadre de notre programme de mobilité académique, nous avons accueilli, en janvier, la professeure Ximena Lagos de notre Faculté partenaire de l'Universidad Austral de Chile (Valdivia, Chile).

Le 3 octobre, les étudiants de la Faculté de pharmacie participaient à la Course à la Vie CIBC pour vaincre le cancer du sein. Vingt étudiants de la faculté, accompagnés de Carmen Vézina, directrice du programme de baccalauréat en pharmacie, s'étaient donné rendez-vous sur les Plaines d'Abraham où se déroulait la course.

Le dimanche 26 septembre, la Faculté de pharmacie tenait son Rendez-vous football annuel. Des diplômés et des étudiants débordant d'énergie s'étaient donné rendez-vous afin

Le 10 novembre, Charles Milliard, diplômé de notre Faculté, recevait le Prix Jeunes diplômés de

espaces virtuels en vue de développer des espaces virtuels thérapeutiques plus efficaces.

Le Dr Marc Desgagné, professeur agrégé, revient tout juste du Sénégal où, en compagnie d'autres experts, il a collaboré au programme de renforcement des capacités sur la gestion des médicaments. Ce programme est réalisé en partenariat avec Union Solidarité et Entraide et la Faculté de pharmacie de l'Université Laval.

La Dre Chantal Guillemette, professeure titulaire, a obtenu une subvention totalisant de 404 493 \$ du Fonds des leaders de la Fondation canadienne pour l'innovation (FCI) afin de munir son laboratoire de deux appareils analytiques ultrasensibles pour la quantification d'une multitude de biomarqueurs. Elle a également reçu une subvention de fonctionnement de 370 590 \$ pour le projet de recherche: MODULATION OF PHASE II DRUG METABOLISM: Role of a novel class of UDP-glucuronosyltransferase (UGT) proteins.

Le Dr Frédéric Picard, professeur agrégé, a reçu une subvention de fonctionnement de 629 785 \$ pour le projet de recherche : Transcriptional control of adipose tissue by OcaB upon aging.

l'Association des diplômés de l'Université Laval (ADUL). Il occupe le poste de vice-président des services professionnels chez Uniprix.



De gauche à droite: Jean-François Fournier, président du conseil d'administration de l'ADUL; Denis Brière, recteur de l'Université Laval; Charles Milliard, Prix Jeunes diplômés 2010; Éric Villeneuve, président du jury des Prix Jeunes diplômés.

Le 27 septembre, le recteur de l'Université Laval, Denis Brière, et le ministre de la Santé et des Services sociaux, Dr Yves Bolduc, ont inauguré le nouveau pavillon Ferdinand-Vandry, qui abrite maintenant le Complexe intégré de formation en sciences de la santé. En accueillant les facultés de Médecine, de Pharmacie et des Sciences infirmières, et grâce aux laboratoires du Centre Apprentiss, le Complexe devient le plus grand centre intégré de formation universitaire en sciences de la santé au Québec.



**Crédit photo : Marc Robitaille**

De gauche à droite :

Dr Régnald Bergeron, doyen de la Faculté de médecine, Françoise Côté, doyenne par intérim de la Faculté des sciences infirmières, Denis Brière, recteur de l'Université Laval, Dr Yves Bolduc, ministre de la Santé et des Services sociaux, Éric Baucé vice-recteur exécutif et au développement, Jean-Pierre Grégoire, doyen de la Faculté de pharmacie et Rami Bensalma Regroupement des associations des étudiant(e)s en sciences de la santé de l'Université Laval.

Le mardi 14 septembre, la Faculté de pharmacie accueillait officiellement ses 180 nouveaux étudiants pour la Cérémonie de remise des sarraus qui se déroulait au Théâtre de la Cité universitaire.



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### Arrivée

Nous accueillons avec plaisir :

Le 24 janvier : Isabelle Sévigny qui occupera le poste de directrice exécutive.

Le 1<sup>er</sup> mars : Line Guénette, professeure adjointe sous octroi, joindra l'équipe de la Chaire sur l'adhésion aux traitements.

### Départ

Pour une retraite bien méritée :

Marie Bellefeuille, coordonnatrice à l'administration  
André Castonguay, professeur titulaire en chimie médicinale, spécialisé en carcinogénèse.

Pour de nouvelles fonctions :

Jenny Lower, adjointe à la direction facultaire, est maintenant adjointe à la secrétaire générale, greffe, instances décisionnelles, discipline et publications officielle, Bureau du secrétaire général, toujours à l'Université Laval.

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## UNIVERSITY OF MANITOBA

### Faculty and Research News

At the Board of Governors meeting on December 7, 2010, Dr. Silvia Alessi-Severini was granted tenure to be effective July 1, 2011.

### Grants

Dr. Emmanuel Ho received a grant in the amount of \$7,500 starting January 1, 2011 (for a one-year period) from University of Manitoba Research Grants Program

(URGP). Dr. Ho's research project is entitled "Long-term protection against HIV infection by targeting integrase gene expression".

Dr. Emmanuel Ho received a grant in the amount of \$19,000 starting January 1, 2011 (for a one-year period) from the Manitoba Medical Service Foundation. Dr. Ho's research project is entitled "Novel intravaginal ring for prevention of HIV transmission".

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### Student News

#### New graduate students, M.Sc. Program

Bolanle Akinwumi (advisor: Dr. Alan McIntosh)

Basma Aloud (advisor: Dr. Hope Anderson)

Yan Lu (advisor: Dr. Hope Anderson)

#### Recent Graduate Student Posters at Conferences

Daryl Fediuk and Tao Wang (Dr. Xiaochen Gu) both presented a research poster at two conferences last fall in New Orleans: PSWC 2010 Congress for Students and Postdoctoral Fellows from November 13 to 14 and FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition November 14 to 18.

Fediuk's poster was entitled: Metabolite Disposition of the Repellent DEET and the Sunscreen Oxybenzone in Rats. Wang's poster was entitled: Deposition of DEET, Oxybenzone and their Metabolites after repeated Topical Application of an O/W Emulsion Preparation.

#### Graduate Awards Reception honours outstanding students

The fifth annual Pharmacy Graduate Awards Reception was held on November 29, 2010. Pharmacy Graduate Student Award Recipients were:

1. Pfizer Canada Inc. Centennial Pharmacy Research Award: Bolanle Akinwumi (Advisor: Dr. Alan McIntosh)
2. Leslie F. Buggey Graduate Scholarship in Pharmacy: Parvez Vora (Advisor: Dr. Mike Namaka)
3. MPhA/William G. Eamer Graduate Scholarship in Pharmacy: Ousama Rachid (Advisor: Dr. Keith Simons)
4. Manitoba Health Research Council / Manitoba Institute of Child Health: Ousama Rachid

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## Faculté de pharmacie, Université de Montréal

### General Faculty News

Change is in the air! The graduation ceremony last October marked the completion of the final year of the B.Pharm. program. From now on, students from the Faculty of Pharmacy at Université de Montréal will be graduating with their entry-level Pharm.D. diploma for entry into pharmacy practice. In continuity with the Pharm.D., the M.Sc. in pharmacy practice is undergoing major revisions under the keen supervision of Professor Marc. Perreault. The transition for B.Pharm. graduates wanting to obtain the Pharm.D. is in development. The *Baccalauréat en sciences pharmaceutiques* (BSBP) is also now available since 2009 for students who wish to gain competencies in pharmaceutical research and development. This three-year program prepares students for research in graduate programs or for entering the

pharmaceutical industry. New programs are also in preparation. The *Programme de formation destiné aux pharmaciens étrangers* (PAPE) is being created to meet the needs of immigrant pharmacists who wish to integrate the pharmacy workforce in Quebec. This is being developed in collaboration with l'Ordre des pharmaciens du Québec and funded by the provincial ministry of immigration and cultural communities. Graduate studies (D.E.S.S., M.Sc., Ph.D.) in pharmacogenomic research are being developed in collaboration with the Faculty of medicine. A full report on activities for 2009-2010 are available at the Faculty website

<http://www.pharm.umontreal.ca>

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### Other News

#### Summer school in pharmacy?

Last summer, the Faculty greeted 23 participants to its inaugural international summer school of pharmacy under the responsibility of Professor Claude Mailhot. Mostly from European and African countries, participants have the opportunity to learn the process of teaching and running pharmacy practice clerkships. It is an excellent opportunity to observe students engaged in experiential learning and to understand the extent of collaboration between the Faculty and the practice sites.

#### Research Chair in Women's Health

Professor Pierre Moreau, Dean of the Faculty and Professor Guy Breton, University Rector are pleased to announce The Jean-Guy Sabourin Family Research Chair in Women's Health. Professor Nathalie Letarte will assume responsibilities of pharmaceutical care in gynecology-oncology and contribute to research activities in cancer pharmacogenomics under the lead of Professor John Stagg.

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## MEMORIAL UNIVERSITY OF NEWFOUNDLAND

### School News

#### School of Pharmacy celebrates White Coat Ceremony

In January, 38 students were welcomed into the profession of pharmacy at the School of Pharmacy's annual White Coat Ceremony held at Memorial University's Health Sciences Centre.



The students, comprising the class of 2014, recited the school's Pledge of Professionalism and donned their white lab coats for the first time. They were assisted by members of the province's pharmacy community, and witnessed by family, friends, dignitaries, other students, and members of the school's staff and faculty.



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#### Study uncovers low awareness of the health risks of obesity

"Join Weight Watchers now for free!" "Get the lowest price ever on Nutri-System!" "Introducing the Slim Fast 3-2-1 Plan!" "All treadmills now on sale!"

It seems that everywhere you look, 'tis the season to be thinking of weight loss. But are Newfoundlanders and Labradorians truly aware of the dangers of being overweight? A recent study conducted in the province seems to indicate that this may not be the case.

Dr. Laurie Twells, an assistant professor at Memorial's School of Pharmacy and Faculty of Medicine, led the study, entitled "The Relationship Among Body Mass Index (BMI), Subjective Reporting of Chronic Disease, and the Use of Health Care Services in Newfoundland and Labrador, Canada," which was published in Population Health Management in 2010. Read more at [http://today.mun.ca/news.php?news\\_id=6099](http://today.mun.ca/news.php?news_id=6099)

#### The little school that could

Thirty days, 47 students and two videos later, Team MUN Pharmacy has raised more than \$3,300 for Prostate Cancer Canada through the Movember Foundation.

The Movember Foundation is a non-profit organization that runs the global men's health initiative, Movember.

Each year in November, men around the world grow moustaches to have fun and raise vital awareness and funds for men's health -- specifically prostate cancer.

Jamie Grandy, a third-year student at Memorial's School of Pharmacy and captain of Movember Team MUN Pharmacy, started the initiative in 2009. "We thought it would be hilarious," said Mr. Grandy. "Eleven pharmacy dudes participated last year and we raised \$2,100. This year was tremendous: we had 47 students sign up, which is about 30 per cent of everyone here." To read more, please visit:

[http://today.mun.ca/news.php?news\\_id=6027](http://today.mun.ca/news.php?news_id=6027)

#### Individual Faculty News

School of Pharmacy faculty member **Dr. Leslie Phillips** has received a President's Award for Distinguished Teaching. Dr. Gary Kachanowski, President of Memorial University, bestowed the award upon Dr. Phillips in a ceremony held in December. The award recognizes excellence in teaching over an extended period of years. It honours faculty who have demonstrated creativity and enthusiastic commitment to teaching, and have animated student interest in their discipline. The award is the highest recognition among Memorial's teaching community.

**Dr. Jason Kielly** has accepted a position as the President Elect with the CSHP-NL Branch.

## Publications

L.N. Dawe, A. Ahmed, and **M. Daneshtalab**. "Structure of 4-oxo-1,4-dihydrobenzo[h][1,3]thiazeto [3,2-a]quinoline-1,3-dicarboxylic acid," *Acta Crystallographica Section E* in press (2011). (ISSN 1600-5368) On Line

Slemmer JE, Hossain MZ and **Weber JT**. "Animal models of traumatically-induced dementia," in *Animal Models of Dementia (Neuromethods)*, volume 48, ed: P.P. De Deyn and D. Van Dam. Humana Press, New York, NY (2011), pp 643-662.

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## Presentations

Bethune C, **Bishop LD**, Flynn H. "Community based primary care interprofessional model for the early diagnosis and treatment of children with Attention Deficit Disorder," Primary HealthCare Partnership Forum (2010), St. John's, NL. (poster presentation)

Bader MS, **Bishop LD**, Barb H, Abouchehade K, Yi Y, **Hawboldt J**. "Mortality of Community-Acquired Pneumonia in Patients with Diabetes Mellitus." The 48th Annual Meeting of the Infectious Diseases Society of America (IDSA) (2010), Vancouver, BC. (poster presentation)

Abbott R, **Edwards S** Edwards J. "An evaluation of adherence to oral chemotherapy within an ambulatory oncology center," National Oncology Pharmacy Symposium (2010), Winnipeg, MB. (poster presentation)

**Edwards S**. "Oral Chemotherapy in CRC therapies: Issues and Challenges," Quebec Colorectal workshop series (2010), Montreal. QC. (oral presentation)

**Edwards S**. "The dream of the magic bullet: What GPO's Need to Know About Targeted Therapies," General Practitioners in Oncology Annual Conference (2010), Halifax, NS. (oral presentation)

**Edwards S**. "The Adherence of Oral Chemotherapy Drugs," General Practitioners in Oncology Annual Conference (2010), Halifax, NS.

**Twells L**, Newhook L. "The development of an instrument to evaluate the prevalence and predictors of breastfeeding initiation and duration in Newfoundland and Labrador," Primary HealthCare Partnership Forum (2010), St. John's, NL. (oral presentation)

**Twells L**, Newhook L. "You're not going at that!" A qualitative study to explore new mothers' attitudes, beliefs, and values around their decision not to breastfeed," Primary HealthCare Partnership Forum (2010), St. John's, NL. (oral presentation)

**Weber JT**, Forbes A, Cooze J, Roome B, Corbett L, Malone C, French V and Trask R. "Comparison of the effects of various paradigms of adolescent ethanol exposure on long-term motor function," Society for Neuroscience conference (2010), San Diego, CA. (poster presentation)

**Young S**, **Bishop LD**, **Twells L**, **Dillon CM**, **Hawboldt J**, O'Shea P. "Comparison of pharmacist managed anticoagulation with usual physician care in a family medicine clinic," Family Medicine Forum (2010), Vancouver, BC. (poster presentation)

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## UNIVERSITY OF TORONTO

### Student News

IMAGINE (Interprofessional Medical and Allied Groups for Improving Neighbourhood Environment) is an interprofessional, student-run community health initiative aimed at promoting and providing holistic health care to the core neighborhoods of downtown Toronto. Under the leadership of Co-Directors: **Ryan McGuire, Pharmacy Student, and Sagar Dugani, Medical Student**, IMAGINE celebrated its opening launch on October 6, 2010. Later that month, student representatives from IMAGINE presented at the World Health Summit and 21st European Student's Conference in Berlin, Germany. The Conference was attended by over 1,000 students from numerous countries around the world. IMAGINE's presentation received the top award in the Public Health category. Faculty advisors

from the Leslie Dan Faculty of Pharmacy included Senior Lecturer **Marie Rocchi** and Assistant Dean, Advancement, **David White**.

<http://www.torontomed.com/Imagine/>

### Grants and Awards

Professor **Shana Kelley** was recently awarded a \$1.7 million Emerging Team Grant from the Canadian Institutes of Health Research. Dr. Kelley will lead an interdisciplinary team that will include investigators from the University of Toronto's Faculty of Engineering, Department of Chemistry, and the Sunnybrook Health Sciences Centre. The team will focus on detecting circulating tumour cells for early cancer diagnosis.

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### National Health Research Day

To celebrate Clinical Research and a Grant from Rx&D, the Leslie Dan Faculty of Pharmacy held a seminar in November highlighting Clinical Research within the Faculty and at our affiliated Teaching Hospitals. Presenters included:

Dr. **Marisa Battistella** of University Health Network, for research demonstrating how cinacalcet, reduces the need for darbepoetin, an erythropoietin stimulating agent for treating anemia of chronic kidney disease.

**Artemis Diamantouros** of Sunnybrook Health Sciences Centre describing her work showing how applying knowledge translation interventions increased rates of prescribing appropriate preventative therapy for venous thromboembolism,.

Dr. **Clarence Chant** of St. Michael's Hospital examined the use of nomograms versus nurse-directed glycemic control in cardiovascular ICU patients. He discovered no increase in effectiveness and safety with nomograms, but negative repercussions affecting cost, workload

and the optimization of experienced nursing staff.

Dr. **Winnie Seto** leader of the Hospital for Sick Children's Therapeutic Drug Monitoring program, outlined her clinical research initiatives related to the pharmacokinetics of drugs in a diverse pediatric patient population with various medical conditions.

Faculty member Dr. **Suzanne Cadarette**, a pharmacoepidemiologist, presented her use of health care claims data to study the safety and effectiveness of osteoporosis drugs and the effects that non-osteoporosis drugs have on fracture risk.

Dr. **Alison Thompson**, outlined her research related to the relationship between government managers of pandemic policy and the public, where the notion of trust is key.

Associate Dean of Research Dr. **Ray Reilly** announced a \$35,000 grant from Rx&D's Health Research Foundation to support Clinical Research.

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## Faculty News

Beginning January 1, 2011, Dr. **Lalitha Raman-Wilms** will assume the role of Interim Associate Dean, Professional Programs, while Dr. **Christine Allen** has been appointed Interim Associate Dean, Academic. Dr. Raman-Wilms is a graduate of the Faculty's Bachelor of Science in Pharmacy and Doctor of Pharmacy programs, and has been associated with the Faculty in an instructional capacity since 1994. Dr. Allen joined the Faculty in 2002, with cross-appointments at the Departments of Chemistry, Chemical Engineering and Applied Chemistry, Institute for Biomaterials and Biomedical Engineering, and faculty membership status at the STTARR Innovation Centre.

Drs. Raman-Wilms and Allen take over for **Lesley Lavack** and Dr. **Zubin Austin**, who have played an integral role in the development of our new undergraduate curriculum. Beginning in January, both Ms. Lavack and Dr. Austin will be on sabbatical leave, but will remain involved in the implementation of the new curriculum.

In November of 2010, Associate Professor **Tom Brown** was appointed Director of Pharmacy Services at Women's College Hospital. Prior to joining Women's College, Dr. Brown served as Assistant Dean, Strategic Initiatives and Director of the Doctor of Pharmacy program at the Faculty. In addition to his role at Women's College, Dr. Brown will continue to serve as a faculty member and as Director of the Doctor of Pharmacy program at the Faculty.

Also in late 2010, Associate Professor **Scott Walker** was promoted to the position of Director of Pharmacy at Sunnybrook Health Sciences Centre. Scott obtained both his Bachelor of Science in Pharmacy and Master of Science in Pharmacy from the University of Toronto. Prior to his promotion, Scott held the position of Coordinator of Research and Quality Control in the Department of Pharmacy at Sunnybrook where he managed the analytical laboratory. As an Associate Professor at the Leslie Dan Faculty of Pharmacy, Scott teaches pharmacokinetics in both the Bachelors and Doctor of Pharmacy programs.

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## UNIVERSITY OF WATERLOO

### School News

Dr. Nancy Waite, Associate Director, Practice Based Education, will be continuing as Interim Hallman Director of the School of Pharmacy as well as Interim Director of the Health Sciences Campus until June 30, 2011. The search process for the new permanent Director continues.

The Interprofessional Educators Collaborative Waterloo-Wellington held its first Interprofessional Case Showcase in October. The event involved students from the Waterloo Region Campus of the Michael G. DeGroot School of Medicine, the Wilfrid Laurier University Lyle S. Hallman Faculty of Social Work, Conestoga College, Waterloo Optometry and Waterloo Pharmacy. 100% of attendees agreed or strongly agreed that the event should be held on an ongoing basis.

### Appointments

Dr. Kelly Grindrod has been appointed as a tenure-track Assistant Professor. Dr. Grindrod examines pharmacist-driven interventions to improve patient care in primary care settings, with a particular interest in

community pharmacy. She completed her undergraduate degree at the University of Alberta followed by a hospital residency and then a Doctor of Pharmacy degree at the University of British Columbia. Her post-doctoral fellowship was at the University of British Columbia's Faculty of Pharmaceutical Sciences where she simultaneously completed a Master of Science degree.

Peter Gdyczynski is joining the School of Pharmacy as the new Professional Practice Manager on February 7, 2011. Peter brings over 20 years of experience in community pharmacy practice with Big V and Shoppers Drug Mart both as a pharmacist and as a manager/owner. He is very involved with the Ontario College of Pharmacists, serving as President in 2007-2008, participating in the submissions to the Ministry for the current Expanded Scope of Practice changes and serving as a member on several committees. He is also involved with the Pharmacy Examining Board of Canada and is currently its President.



Dr. Colleen Maxwell will be joining the School July 1st, 2011 as a full Professor with tenure. Dr. Maxwell is a specialist in the application of health services research and epidemiologic methods to the study of health and quality of care issues in older Canadians. In particular, she has been involved in studies that through database analysis identify trends in drug use and appropriateness of disease management. Dr. Maxwell

was most recently a Professor in the Faculty of Medicine at University of Calgary, where she received numerous awards, had an exemplary record of research funding, and was involved with both graduate and post graduate students, publications, invited presentations, editorial board membership and served as a reviewer for journals and granting agencies.

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Waterloo has welcomed several new Adjunct Clinical Assistant Professors and Adjunct Clinical Lecturers in recent months. These individuals make a part-time commitment to the School of Pharmacy while continuing their work in the health care sector.

- Andrea Main is a Clinical Instructor for the PHARM415 Clinical Rotation: Integrated Care and Clinical Capstone. Andrea is a pharmacist at Grandview Medical Centre in Cambridge.
- Cathy Schill is a Clinical Instructor for the PHARM415 Clinical Rotation: Integrated Care and Clinical Capstone. Cathy co-owns a local community pharmacy.
- Clarence Chant is co-coordinating the Critical Care and Emergency Pharmacy elective during

the Winter 2011 semester. Clarence works in critical care at St. Michael's Hospital.

- Elliott Offman is co-coordinating the Symposium portion of PHARM415, and is a case study reviewer for Integrated Patient Focused Care 2 (IPFC 2). Elliot is Director of Clinical Pharmacy at Celerion.
- Heather Vosper is co-coordinating the Critical Care and Emergency Pharmacy elective. Heather is a pharmacist in pediatrics and emergency medicine at London Health Sciences Centre.
- Nardine Nakhla is co-coordinating the Advanced Patient Self Care elective in the Winter semester and takes on full coordination for the Spring. Nardine co-owns a community pharmacy in Toronto.

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- Kelly Shaw is involved in teaching the pharmaceutical care introductory material in IPFC 1 and also in the coordination of IPFC 2 during the Winter 2011 semester. Kelly most recently worked in Boston as a pediatric hospital pharmacist and with Massachusetts College of Pharmacy and Health Sciences.
- Thomas McFarlane is coordinating the Advanced Therapeutic Concepts in Oncology elective for the Spring 2011 semester. Tom is the oncology pharmacist at Cambridge Memorial Hospital.
- Usama El-Bayoumi is a Clinical Instructor for the PHARM415 Clinical Rotation: Integrated Care and Clinical Capstone. Sam is a Clinical Consultant Pharmacist at Medisystem Pharmacy and teaches in the pharmacy technician program at Sheridan College.
- Veneta Anand and Venita Harris are co-coordinating the PHARM290 Seminar 1 and

PHARM490 Seminar 4 courses in the Winter semester and the Global Medical Aid elective during the Spring semester. They will be internationalizing our curriculum, increasing the global health content and increasing the number of international co-op positions. Veneta is a local Shopper's Drug Mart Associate and founder of STIMMA (Short Term International Medical Missions Abroad). Venita is a pediatric pharmacist at London Health Sciences Centre and has been involved in many medical mission trips.

- Verna Hutchinson is a Clinical Instructor for the PHARM415 Clinical Rotation: Integrated Care and Clinical Capstone as well as the Community Service Learning Coordinator during the Winter and Spring 2011 semesters. Verna was most recently at Wellington Health Care Alliance in Fergus as Manager of Pharmacy Services.

### Grants/Presentations/Posters

Dr. Nancy Waite and Certina Ho have been awarded a research grant of \$18,884 by the Centre for the Advancement of Co-operative Education at the University of Waterloo. Their project is entitled *Experiential Learning in Undergraduate Pharmacy Curriculum at the University of Waterloo: A Case Study of Skills Development during Co-operative Experience of Pharmacy Students*.

Elaine Lillie, Communications/Interprofessional Education Instructor and colleague Dr. Marlee Spafford of the School of Optometry presented at the Interprofessional Education Ontario Conference in Toronto, on the topic of *No Teaching Hospital, No IPE Office to foster Collaboration across the Region, No Problem: IPE in Waterloo Region*.

Lisa Craig, Professional Practice Course/Lab Instructor, Mary Power of the Centre for Teaching Excellence and undergraduate student Peter Pagacz (Class of 2012) received a \$14,985 Learning Initiatives Fund grant from

the University of Waterloo, for the project *Determination of the Optimal Blended Model of Virtual and Standardized Patients for Developing Patient Information Gathering Skills Essential for Safe and Effective Pharmacy Practice*. Student Carol Khalil (Class of 2012) is now employed in implementing the project.

Dr. Nancy Waite and colleagues Pia Marks and Brad Jennings of the Centre for Extended Learning received a Learning Initiatives Fund grant from the University of Waterloo, for the project *Online Experiential Learning and Real-world Transfer: Intersections*.

Undergraduate student Calvin Poon (Class of 2012) and Certina Ho, Adjunct Clinical Assistant Professor, were awarded the \$2,000 Pharmaceutical Care Grant by the Ontario Branch – Canadian Society of Hospital Pharmacists. The grant supported their project: *Journal Club: A Teaching and Learning Channel and Continuing Professional Development Portal for Pharmaceutical Care*.

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### Publications

Certina Ho, along with undergraduate students Lindsay Yoo (Class of 2012), Patricia Hung (Class of 2011) and Marc-André Gravel (Class of 2011), and other collaborators have published several papers:

- Ho C, Hung P. *Keep it safe: Community pharmacist development and implementation of strategies to improve patient safety*. *Pharmacy Practice* 2010; October: 39-45
- Ho C, Hung P, Lee G, Kadija, M. *Community Pharmacy Incident Reporting: A new tool for community pharmacies in Canada*. *Healthcare*

*Quarterly* 2010; 13 (September / Special Issue): 16-24

- Cheng R, Yoo L, Ho C, Kadija, M. *Identification of medication safety indicators in acute care settings for public reporting in Ontario*. *Healthcare Quarterly* 2010; 13 (September / Special Issue): 26-34
- Ho C, Waite NM, Gravel M. A. *Development of a state-of-the-art patient safety curriculum: From classroom to co-op and vice versa*. In: Simmons, N. (Ed.), (2010). *Opportunities and new directions: Canadian scholarship of teaching and learning*. Waterloo, ON: Centre for Teaching Excellence (CTE), University of Waterloo

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