



# AFPC COMMUNICATION

Association of Faculties of Pharmacy of Canada

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## PRESIDENT'S MESSAGE

On behalf of the AFPC Council, I would like to extend warm greetings to everyone for the start of a new academic year! No doubt that everyone is already quite busy with teaching responsibilities, grant deadlines and other activities!

The work ahead for AFPC continues to benefit from the leadership of past presidents and members. Over the last year, I have enjoyed working under the leadership of Dr. Mike Namaka, who has brought his experience, insights and vision to this organization. In June, there was a change to the office of the Executive Director; we have appreciated all the contributions of Dr. Frank Abbott over his many years of service to this organization. The AFPC executive and council has now started to work closely with its new Executive Director, Dr. Harold Lopatka. I feel truly privileged to be a part of this council who are a dedicated group of individuals from across the country!

AFPC council members were busy over the summer, with our council meeting held in conjunction with the AFPC conference in Richmond, BC. For the first time this conference was hosted under its new name – the Canadian Pharmacy Education and Research Conference (CPERC). This change in the title has been important, as it more closely reflects AFPC's mission and commitment - to support and promote: innovation, excellence and leadership in both pharmacy education and research. It also reflects a more broad range of pharmacy educators contributing to our conference programs.

The Conference was very successful with an engaging program under the theme of “Bringing the Blueprint to Life”. It provided an excellent forum for discussion and debate amongst our members, guests and students. On behalf of AFPC, we extend a heartfelt thank you to Simon Albon (chair), Ingrid Price and the other members of the organizing committee from the Faculty of Pharmaceutical Sciences at the University of British Columbia for all of their tremendous work and effort!

The annual awards ceremony, held at the end of the conference on a shipboard cruise in beautiful Vancouver, was a wonderful venue to celebrate excellence in education and research amongst our members and students. For the first time this year, the AFPC Woods-Hughes Special Service Awards were presented to three of our members. This award recognizes AFPC members who have provided exceptional service to the association over the years.

AFPC Council will be busy this year as we start to work on many things. On June 3, 2010, Council approved the new Educational Outcomes for entry-to-practice programs in Canada.<sup>1</sup> Over the next several months, we plan on finalizing the “Levels of Performance Expected of Graduates” document to support the outcomes. This will facilitate Faculties in aligning their programs with the new outcomes and to determine additional changes and modifications required by curricula. These educational outcomes, which set a new standard for Canadian programs, have been disseminated to groups outside of AFPC. Over this next year, we will work to seek input and comments from Faculties and other groups, as part of an interim review.

One of the ongoing challenges facing all Faculties is the need for recruitment and retention of preceptors, as well as an increase in quality experiential training sites. Also, with the increasing societal need for safer medications, more cost-effective drugs, and individualized medication therapy, there is a clear recognition by those outside of pharmacy of the crucial role that pharmacists can play in ensuring better health

outcomes for patients. All of these require us to closely examine how best to enhance our curricula and to determine new models of experiential training. AFPC will continue to work with ADPC, PEP-C and other groups in working towards this initiative.

The Program Evaluation Task Force, under the Chair of Ingrid Price, completed its work last year in developing guidelines and collating tools for use by Faculties. Over this next year, AFPC will determine strategies to ensure that these tools are easily accessible to Faculties and identify ways of supporting Faculties in implementing Program Evaluation.

During the CPERC, AFPC members had the opportunity to hear, discuss and debate on many areas relevant to the Blueprint. The Blueprint for Pharmacy<sup>2</sup> emphasizes the need to focus on strengthening and realigning our profession's social responsibility and scope of practice with the evolving healthcare needs of Canadians. The

Blueprint implementation plan will influence much of AFPC's activities over the next few years as we move towards a common vision for our profession.

I look forward to my term over this next year, working with our Executive Director and our Council. AFPC also looks to you, as its members, to continue to provide feedback to council - our best resource is the strength and depth of our membership! Please contribute your thoughts and ideas and these and other issues, and share these with your respective council members or myself.

Best wishes to all of you for this academic year!



Lalitha Raman-Wilms  
AFPC President

<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).

<sup>2</sup> The Blueprint for Pharmacy. [http://www.pharmacists.ca/content/about\\_cpha/whats\\_happening/cpha\\_in\\_action/blueprint.cfm](http://www.pharmacists.ca/content/about_cpha/whats_happening/cpha_in_action/blueprint.cfm)

## EXECUTIVE DIRECTOR'S CORNER

I hope everyone had a great summer. My summer had a heavier work than play commitment as I was learning about the operations and strategies of AFPC.

This entailed working through a transition with Frank Abbott into the Executive Director's position. Frank was excellent in sharing his thoughts and suggestions during my transitioning process. He will be a tough act to follow as Frank provided strong leadership to AFPC over the last 7 years. I wish Frank and Phyllis Abbott all the best as they ease into their retirement.

The timing of my hiring was perfect as I had an opportunity to observe how the annual conference was organized, to increase my knowledge of current issues and innovations in pharmacy education, and meet many AFPC members. In addition, I was able to attend and participate in the AFPC Council meetings and learn about the council and how it operates. For those AFPC members who I did not meet, I look forward to meeting you at future meetings.

The following is a brief report on the Executive Director, AFPC and ADPC activities over the past four months.

### **Executive Director Activities**

My focus over the summer was to get oriented as quickly as possible, develop working relationships with the AFPC and ADPC Presidents, make a smooth transition by working closely with Frank, and to assume full responsibility for operating and financial responsibilities after the first 2 months. These handover activities were accomplished and I have been conducting all of the day to day administrative activities in August and September. Over the next few months my focus will be to develop the 2011 AFPC operating budget forecast, review the current strategic plans, and initiate marketing activities to increase external sponsorships for the AFPC awards program.

## **AFPC Activities**

The summer was a busy time for AFPC with the Canadian Pharmacy Education and Research conference (CPERC), and the annual council and general meetings.

CPERC 2010 – “Bringing the Blueprint to Life” – The conference was held jointly with CSPS. It was a tremendous success with nearly 140 individuals (including guests) attending the AFPC program and a positive budget variance achieved. The conference program, facilities and host city were enjoyed by participants. A conference of this quality would not be possible without the efforts of the organizing committee, program participants and sponsors. Special thanks to Simon Albon and the conference planning committee (Frank Abbott, Ingrid Price, Robert Sindelar, David Fielding, Marion Pearson, Wayne Riggs, Stelvio Bandiera, Adam Frankel, Lynda Eccott, Tessa Nicholl, Colleen Brady, Tamiz Khanji, Suzana Topic) for all their work in making the conference so successful. Thank you to the session chairs, speakers, facilitators, and poster presenters for the enlightening program. Finally, thanks to the 13 corporate sponsors. A number of the conference presentations and posters are available on the AFPC website (see News and Publications – conference presentations 2010 at <http://afpc.info/content.php?SectionID=4&Language=e>

n). The poster abstracts have been published in the CSPS on line journal (see <http://ejournals.library.ualberta.ca/index.php/JPPS/issue/current>).

AFPC Annual Council Meetings and Annual General Meeting - The AFPC council meetings were held before and after the conference. The annual general meeting was held on June 3. For the 2010-2011 year; Lalitha Raman-Wilms assumed the role of President, Ingrid Price was nominated as President Elect and Mike Namaka Past President. Tessa Nicholl, Nése Yuksel, Silvia Alessi-Severini and Nancy Waite assumed new 3 year terms as councilors. Daniel Thirion returned to council from a 1 year absence. Bev Allen, Andrea Cameron, Mary MacCara, Frédéric Colon, and John Hawboldt continued in their terms of office. Roy Dobson and Sylvie Marleau completed their terms as councilors. Anson Tang (U of Waterloo) is replacing Nancy Waite while she is Interim Director.

Reports from committees were reviewed and new directions and appointments approved. Other items reviewed and approved include: the appointment of Harold Lopatka as new Executive Director, the 2010 AFPC operating budget, the new Educational Outcomes for first degree programs in Pharmacy in Canada, and the location of the 2012 conference in Quebec.

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Blueprint for Pharmacy - A major driver for AFPC and ADPC activities over the next few years will be related to the Blueprint for Pharmacy implementation plan. To achieve the vision for pharmacy, the Blueprint for Pharmacy implementation plan identifies 50 key strategic actions and 130 deliverables in five key action areas. Educational and continuing professional development is identified as one of five key action areas. There are 13 specific strategic actions and 47 deliverables identified for completion of this key action area. AFPC and / or ADPC have been identified as a potential lead or partner organization for 12 of the action items and for 36 of the deliverables. AFPC, ADPC and individual members will be required to lead and make significant contributions during the implementation of this key action area of the Blueprint. David Hill and Henry Mann represent ADPC, and Zubin Austin and Lalitha Raman-Wilms represent AFPC on the Blueprint Steering Committee and on

discussion groups. The committees are prioritizing and facilitating the development of proposals to obtain external funding for projects.

Educational Outcomes for First Degree Programs in Pharmacy in Canada - The new educational outcomes will be subject to an interim AFPC review after 1 year and a final AFPC review after 3 years. The outcomes were disseminated to AFPC council, ADPC members (and further disseminated within faculties), as well as to national pharmacy organizations and selected national external stakeholders (medicine, nursing). The 2011 AFPC operational and funding priority is to complete the levels of performance for the new educational outcomes. The new educational outcomes are posted on the AFPC website (see [http://afpc.info/downloads/1/AFPC\\_Education\\_Outcomes\\_AGM\\_June\\_2010.pdf](http://afpc.info/downloads/1/AFPC_Education_Outcomes_AGM_June_2010.pdf)).

**ADPC Activities**

There are 3 new members of ADPC. Helen Burt is Acting Dean (U of British Columbia) replacing Bob Sindelar who is on a leave until January 1, 2011. Dr. Lavern Vercaigne (U of Manitoba) is Acting Dean until a new Dean is recruited. David Collins moved to the position of Vice Provost (Academic Planning / Programs) at the University of Manitoba. Nancy Waite is Interim Hallman and Health Sciences Campus Director until a new Director is recruited. Jake Thiessen retired June 30, 2010.

ADPC held an interim meeting in June 2010. Pierre Moreau (University of Montreal) was nominated as ADPC President and Harold Lopatka appointed ADPC

Executive Director. The ADPC mid year meeting is being held October 3-4, 2010 in Banff.

This is an exiting time for AFPC and ADPC. The community pharmacy practice environment is changing very rapidly. Post secondary institutions are undergoing significant cost restraints. AFPC / ADPC are effective platforms for leadership and implementation of national educational strategies and initiatives. We are very close to a tipping point where AFPC / ADPC will be required to provide major leadership and expertise in the roll out of the Blueprint education deliverables. I am looking forward to working as your Executive Director during this period.

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AFPC wishes to recognize the contributions from pharmacy organizations that choose to help make a difference in academic pharmacy in Canada.

**ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA/  
ASSOCIATION DES FACULTÉS DE PHARMACIE DU CANADA**

**AFFILIATE MEMBERS 2010**

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WYETH CONSUMER HEALTHCARE

**Harold Lopatka**

AFPC/ADPC Executive Director

**New Faculty**



**Shawn Bugden** joined the Faculty effective September 1, 2010 as an Associate Professor. Shawn graduated from the University of Manitoba, Faculty of Pharmacy in 1991. He has a special interest in rural pharmacy practice and has been the Regional Director of Pharmacy for the Central Regional Health Authority since 1999. His interest in critical literature appraisal and optimal drug utilization led to his involvement in the Prescription Information Services of Manitoba (PrISM) program. As a founding member of the Canadian Academic Detailing Collaboration (CADC), Bugden has played a role in training, research and resource development for academic detailing nationally and internationally. He has supported these efforts through his involvement in the international research collaboration, Knowledge Translation – Improved Clinical Effectiveness through Behavioural Research Group (KT-ICEBERG).

Bugden completed his M.Sc. in Evidence-Based Medicine from Oxford in 2006, following which, he developed an interest in pharmacoconomics and outcomes research. This led to his involvement with the Provincial Oncology Drug Program of CancerCare Manitoba as a pharmacoconomics pharmacist. Bugden is also a frequent presenter at provincial and national conferences. He has published more than 15 research and educational papers and is currently completing his Pharm.D. degree at the University of Washington. In addition, he has been involved in the undergraduate education of pharmacy and medical students since 2005 and has played a leadership role in the pharmacy profession as a Past-President of the Manitoba Association of Pharmacy Directors and as

the current President of the Manitoba Pharmaceutical Association.



**Dr. Emmanuel Ho** joined the Faculty effective July 1, 2010 as an Assistant Professor. Dr. Ho earned his Ph.D. in Pharmaceutical Sciences from the University of Toronto and was awarded a doctoral graduate scholarship from the Natural Sciences and Engineering Research Council of Canada (NSERC).

As a post-doctoral fellow at the British Columbia Cancer Research Centre, Dr. Ho was awarded the Canadian Institutes of Health Research (CIHR) Post-Doctoral Fellowship along with the Michael Smith Foundation for Health Research Post-Doctoral Fellowship (MSFHR).

Prior to joining the University of Manitoba, Dr. Ho was a Research Assistant Professor at the University of Utah in the Department of Bioengineering. His research interests include the development and prevention of HIV/AIDS and other infectious diseases. Upon joining the University of Utah in 2009, he was awarded two highly competitive research grants as the principal investigator. One of these grants was awarded by the Bill and Melinda Gates Foundation to develop a novel intravaginal delivery system for the sustained induction of mucosal immunity in the prevention of HIV transmission.



**Dr. Harris Iacovides** joined the Faculty effective July 1, 2010 as a full-time clinical instructor. Dr. Iacovides completed the majority of his academic training at the University of Manitoba obtaining a B.Sc. in Microbiology in 1999, B.Sc.(Pharm.) in 2003 and M.Sc.(Pharm.) in 2006. Dr. Iacovides obtained his

Pharm.D. at the University of Toronto in 2010 and now joins our faculty as an instructor for the undergraduate clinical courses.

**Teaching Awards for 2009-2010**

2009 UMSU/UTS Students’ Teacher Recognition  
**Ms Kristine Petrasko**, Instructor, Faculty of Pharmacy as chosen by fourth-year student Yang (Anna) Xu.

Outstanding Teacher, first year - **Ms Nancy Kleiman**, Instructor

Outstanding Teacher, second year - **Dr. Lean Chee**, Associate Professor

Outstanding Teacher, third year - **Dr. Sheryl Zelenitsky**, Professor

Outstanding Teacher, fourth year - **Dr. Lavern Vercaigne**, Professor & Acting Dean

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**Faculty and Research News**



**Dr. Mike Namaka**, Associate Professor, attended the Controversies in Neurology conference in Prague, Czechoslovakia from October 8 through 12, 2009. At the conference, Dr. Namaka expanded the neuroscience analytical skills of the Faculty of Pharmacy to include

that of an assay called “Chromatin Immunoprecipitation Assay” also referred to as CHIP.

Currently, the Faculty of Pharmacy’s research team has a research interest in neurological disorders affecting central nervous system (CNS) myelin such as multiple sclerosis. The team is specifically interested in exploring the role of MECP-2 in myelin formation. As such they are examining various proteins such as brain derived neurotrophic factor (BDNF) and others that MECP-2 may regulate during the formation and maintenance of CNS myelin. The CHIP technique explored at the conference allows them to explore the impact that MECP-2 has on the various proteins involved in myelin formation, repair and maintenance.

The CHIP analytical technique has now been implemented within the Faculty’s neuroscience research laboratory. Doctoral candidate, Mr. Parvez Vora is currently using this technique to assist him during his training within Dr. Namaka’s laboratory.

## Research Profile: Hope Anderson



**Dr. Hope Anderson** is a Nutraceutical Researcher in the Faculty of Pharmacy. Her program studies the mechanistic link between type 2 diabetes and cardiovascular disease, utilizing nutraceuticals, functional foods and natural health products as investigative tools as well as potential therapies.

Over the past year, Dr. Anderson has experienced great success in her research program. She has received significant grants for her studies, earning a Canadian Institutes of Health Research-Manitoba Health Research Council (CIHR-MHRC) grant for \$201,998 over two years for her research project entitled “Protective signaling by PPARs in cardiac hypertrophy.” Additionally, Dr. Anderson was awarded

a grant in the amount of \$100,000 over two years from the Heart and Stroke Foundation of Manitoba for her grant entitled “Regulation of cardiac hypertrophy by the CB2 cannabinoid receptor.”

“Finding effective ways to avert pathological cardiac hypertrophy, or abnormal growth of the heart, has emerged as a research priority,” says Dr. Anderson. “It is well-documented that drugs that activate Peroxisome Proliferator-Activated Receptors (PPARs) block hypertrophy, and with this support from the CIHR and MHRC, my laboratory will investigate the signaling mechanisms involved. By learning how PPARs control the transition from hypertrophy to heart failure, we hope to discover novel molecular targets that might be manipulated for therapeutic gain to treat heart disease.”

Dr. Anderson also achieved personal success at the 2009 Canadian Cardiovascular Congress in Edmonton, AB, where she received the 2009 New Investigator Award from the Canadian Hypertension Society. The award recognized excellence in the field of hypertension research by a new investigator. Findings from Dr. Anderson’s laboratory were reported at the Congress, including presentations entitled “Blood pressure-independent correction of resistance artery structure but not intrinsic wall stiffness by resveratrol in the spontaneously hypertensive rat” and “Suppression of cardiac myocyte hypertrophy by PPAR-DGK signaling”.

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### Grants

**Dr. Hope Anderson** received a grant in the amount of \$30,000 from the California Table Grape Commission for her grant proposal Effects of Grape Consumption on Resistance Artery Structure, Function, and Stiffness in Hypertension.

**Dr. Xiaochen Gu** received a grant in the amount of \$93,900 starting September 1, 2010 (over two years) from Nanjing Aosaikang Medical Group Corp. Ltd. (ASK Corporation). Dr. Gu’s research project is entitled “Solid lipid nanoparticles of fluconazole and lidocaine”.

**Dr. Mike Namaka** received a grant from the University Research Grants Program (UGRP) in the amount of

\$7,460.00 for a one year period. Research project is entitled “Expression levels of immune mediators in rat model of MS”.

**Dr. Mike Namaka** received a grant from the Manitoba Institute of Child Health in the amount of \$4,993.00 for a one year term beginning July 1, 2010. Research project is entitled “Transcription regulation of BDNF in pediatric pain syndromes”.

Ms Michelle Nelson (Graduate Student of **Dr. Ruby Grymonpre**) received a grant in the amount of \$20,000 from the University of Western Ontario for the TUTOR-PHC Fellowship.

## Student News: Volunteerism

The University of Manitoba's pharmacy students participated in several community service endeavours this year with a range of organizations, including the Canadian Diabetes Association, H1N1 and seasonal influenza vaccination clinics and the Winnipeg Interprofessional Student-Run Health Clinic (WISH Clinic) as part of their service learning requirement.



Diagnosed with type 1 diabetes in 2008, first-year student Christopher Dupont developed an interest in becoming a diabetes advocate, which led him to fulfill his learning service requirement with the Canadian Diabetes Association (CDA). He has become an asset to the organization, delivering Learning Series presentations to children and adults.

Since his diagnosis, Christopher's empathy for people with diabetes has grown every day. "When I interact with individuals with diabetes, it is reassuring to me as well – because we are in this together." Christopher's volunteer experience has been rewarding, particularly when he has impacted young people's lives. "We recently visited a school where a little girl was diagnosed with type 1 diabetes. When she found out I'm also living with type 1 diabetes, she kept repeating, 'you have it too, I just can't believe it.' She was so happy to know she was not alone."

Volunteering as a diabetes advocate has motivated Christopher to be his best. "As a volunteer with the CDA, I am given the opportunity to learn more about a disease that is currently affecting three million Canadians, and do something about it."

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Christine Leong and several of her fellow fourth year students also saw an issue that they wanted to do something about. During the busy flu season, they volunteered at the Louis Riel School Division seasonal flu clinic to help prepare vaccine for administration and provide other support as needed. "As a pharmacy student, it was exciting to be involved in one of the participating centres that provided free seasonal influenza vaccinations to high-risk patients," said Leong. "I, along with two other pharmacy students and a pharmacy technician student, participated in drawing up the seasonal influenza vaccine into syringes. Between the four of us, we prepared about 120 pre-filled syringes in four hours." The experience provided a valuable look at the vaccination process. Leong and her fellow students were able to observe the nurses and nursing students who provided the vaccination and assisted in pre-screening the patients. This illustrated the importance of pharmacists in the vaccination process. "I felt pharmacy students have the potential to play a significant role in the screening process. Overall, I was amazed by the level of organization that took

place at the clinic. The coordinators were absolutely friendly, optimistic and energetic. It was definitely rewarding to be a part of a service in which people were particularly concerned about the influenza virus. Moreover, it was terrific to see pharmacy students taking part in such an important issue."

The WISH Clinic is another endeavour that sees pharmacy students tackling important issues. An interdisciplinary holistic health centre, the WISH Clinic serves a community that faces many health challenges, with higher rates of diabetes, heart and respiratory diseases, among other conditions. Two third year pharmacy students, Mark Allan and Ashley Walus, were instrumental to the operation of the WISH Clinic, acting as Executive Co-Chairs along with a student from the Faculty of Social Work. "Becoming involved with this clinic has truly been a rewarding experience," said Allan. "We all have gained so much from spending time in the community and getting to know the people of Point Douglas." The WISH Clinic, located at Mount Carmel Clinic on Main Street, is an



interdisciplinary initiative that includes students and licensed professional mentors from a broad range of disciplines. The interdisciplinary nature of the WISH Clinic enables comprehensive health care services to patients and provides collaborative learning opportunities to students from different educational programs. It further enhances education by providing

students with an opportunity to become more aware of inner city issues, social needs, and the medical concerns of this community. The efforts of these students have brought pride to their Faculty and benefited patients throughout Manitoba. We salute their outstanding service to the community.

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### **My experience at the Handicapped Orphans Protection Center (Electives Program)**

by Janice Nguyen, B.Sc.(Pharm) '10



When I learned about the fourth year open elective program during my first year in pharmacy, I knew that it would be an opportunity to do something meaningful and exciting. I promised myself then that I would use this opportunity to volunteer abroad and help people less fortunate than I. I decided to volunteer in Vietnam because, being half Vietnamese, I have a strong personal connection to the culture, the land and its people. This was an opportunity to give back to a place and culture that has helped to shape who I am. I also knew it was a place where I could make a meaningful difference because there are so many people in need of help. I chose to volunteer with Volunteers for Peace Vietnam in their disabled children orphanage program, and was placed at the Handicapped Orphans Protection Centre of Thi Nghe in Ho Chi Minh City under the pharmacist there to help care for the children.

Thi Nghe is a government-run centre for orphaned children with mental or physical disabilities. The Centre aims to provide care for these children and educate them to the fullest extent of their physical and mental capabilities. Today, approximately 230 staff members serve over four hundred children ranging from infants to young adults with about 150 suffering from cerebral palsy. It also has a fully equipped physiotherapy area, a medical treatment room, medical

laboratory, 12 classrooms, an indoor swimming pool and an outdoor playground. Unfortunately, despite all its progress and accomplishments, the orphanage is still not adequately staffed or funded to provide the care and facilities the children need, and consequently relies heavily on volunteers and donations.

My first day at Thi Nghe was an overwhelming experience, it is hard to prepare to see so many physically and mentally disabled children in one place, most abandoned by their families and many confined to their beds or wheelchairs all day. I had never been to an orphanage or worked with disabled children before so it was very intimidating. The children were separated into rooms of 20 to 30 children based on age and type and severity of disabilities.

During my time there, I worked in three rooms. One had children five to 10 years of age who were mentally and often physically disabled. It was an interesting and, at times, scary room to work in because many of the children are active, unpredictable and require a lot of care and attention. A few of them were also violent towards themselves and, rarely, towards others, usually because they were hungry and impatient for their turn to be fed, but sometimes for no apparent reason at all. The second room I worked in had older children five to 18-years-old and all were severely physically disabled, many suffering from cerebral palsy and confined to their beds all day. Most showed some mental disability as well. Only three children in this room went to school, the rest were confined to their beds all day. I mainly helped to feed this room each morning because it was especially understaffed. The third room I worked in housed very young children from two to six years of age, most suffering from cerebral palsy or other physical handicaps. Many of the children understood Vietnamese and were very playful. I helped to feed lunch, gave the children exercise and practice walking and stimulated those who couldn't move as much as possible. I spent about 60 per cent of my day feeding children and giving them their medications, 20 per cent playing with the children, and about 20 per cent with the pharmacist preparing medications to put into the food.

Professionally, my experience was close to what I expected. I rightly presumed that in Vietnam there would be more challenges in providing adequate, quality health-care to patients and that I would face many challenges of my own in both working with the health care professionals and with the children. Although I speak some Vietnamese, there was a language barrier between the staff and I, which limited my learning. However, I found that this improved with time and I was able to learn a lot just by watching. Although I did not get to discuss with the pharmacist her beliefs about mental disorders or the goals of treatment at this orphanage, I got the feeling that keeping the children alive and as comfortable as possible was the main objective. I think this is a result of the attitude that it is not realistic to hope for much more, along with a lack of resources. Although the way they do things at the orphanage may not be up to Western standards, I believe whole-heartedly that they do the best job they can with what they have. One thing that surprised me was that almost all of the medications they used were traditional Western medicine; they just did not have nearly the range of choices that I am used to seeing due to lack of funding and availability. In addition, I found their limitations and challenges to be similar to those we face in Canada – such as funding, staffing shortages, staff management, regulation and safety – but on a larger scale.

The two most important things that I learned after working in Vietnam, which will stay with me as I start my career are that: spending time with patients to understand the challenges they and their loved ones face is an important component of being a health care professional, and; medication is an important aspect of health care, but it is just one aspect of health care, and as a future pharmacist, I need to advocate for and learn about all aspects of health care, not just the drugs that are used.

Silvia A-Severini would like to sincerely thank Joanne Ogilvie for her excellent work on all our Faculty submissions to the AFPC newsletter. Her continuing contribution is greatly appreciated.

Although I did not get to do as much clinically as I would have liked, personally, my experience was more rewarding than I ever expected. I learned so much about myself from working with the children and staff as well as the many incredible volunteers from all over the world. I feel that the knowledge I acquired during the last four years in pharmacy helped me to just be more understanding of the challenges that are faced with providing the best quality health care to people and to identify problems in terms of medication safety. I feel I was able to make a small impact on a few children's lives in a short time, which is something that has changed me in a positive way and which I know has made me a better person and future pharmacist.

### Team Pharmacy rakes in donations for MS Research

A group of first-, second- and third-year pharmacy students, led by instructor **Kristine Petrasko** (BSc Pharm)/00), have joined together as Team Pharmacy to help the fight against Multiple Sclerosis (MS). In the past two years, they have achieved an amazing fundraising total of over \$33,000.

They raised over \$15,000 for the cause in the lead-up to the April 26, 2009 MS Walk. For their tremendous efforts Team Pharmacy won Top Rookie Fundraising Team of the Year, Top Corporate Fundraising Team of the Year, and Largest Corporate Team of the Year with 78 team members. Team Pharmacy also placed third overall for fundraising out of 211 teams.

At the 2010 MS Walk Team Pharmacy outdid themselves, forming a team of 110 members consisting of pharmacy students and their families and friends. They also raised over \$18,000 — \$3,000 more than the previous year!



UNIVERSITY OF ALBERTA

Appointments, Retirements, Leaves

**Retirements**

The faculty would like to announce the retirement of **Dr Ed Knaus** in July 2010. Dr Knaus joined the faculty in 1972 initially as an Assistant Professor, then promoted to Associate Professor in 1976 and to full Professor in 1980. Dr Knaus's research focused on rational drug design encompassing the design, synthesis and biological evaluation of novel next-generation types of heterocyclic molecules to treat arthritic, cardiovascular, gastrointestinal, viral and cancer diseases, obesity, or as potential radiopharmaceuticals for use in imaging tumors including gene therapy applications, and to diagnose (image) the onset of Alzheimer's disease. Dr Knaus has been an incredibly successful researcher, teacher, scholar and mentor. He received over \$9.9 million dollars in research funding, has 393 publications and 12 patents, and was the recipient of numerous awards. He supervised 29 graduate students (25 PhD, 4 Msc), 61 postdoctoral fellows, 8 research associates, and 9 sabbatical fellows. The next Faculty Research and Development Day on November 19<sup>th</sup> will be recognizing Dr. Ed Knaus and his contributions. The faculty wishes Dr Knaus a very happy retirement.

The faculty would also like to announce the retirement of **Dr. Steve McQuarrie** in February 2010. Dr.

McQuarrie joined the Faculty in 1976, initially as a technician in the Division of Bionucleonics and Radiopharmacy and later as a Faculty Service Officer (1979) where he was involved in teaching in the radiopharmaceutical sciences graduate program and supporting staff research programs in bionucleonics. In 1990 he commenced a part-time PhD program; upon completion he was appointed Associate Professor (1995) then full Professor (2005). Dr. McQuarrie's research interests included: 1) PET radionuclide production, 2) applied biotechnology and radiopharmacology, 3) radiopharmacokinetic and pharmacodynamic modelling, and 4) radiation therapy for cancer using novel radio-pharmaceuticals and immunoconjugates. This work has been supported in part by NSERC, CFI, AHFMR, ASRA, the Alberta Cancer Board as well as commercial research funding. He currently has 57 refereed publications, and over 100 conference presentations, abstracts or posters. As part of the University's post-retirement program, he will continue his research program and aid in the establishment of a second cyclotron-based radiopharmaceutical science laboratory at the university. The Faculty wishes Dr. McQuarrie a very happy retirement.

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The Faculty of Pharmacy and Pharmaceutical Sciences has been fortunate to have the services of numerous outstanding administrative staff personnel for many years. The Faculty would like to announce the retirement of the following individuals:

**Terry Legaarden**, Director of Development and External Relations who has been with the faculty for 11 years will be retiring effective Sept. 30, 2010.

**Kelly Nicholson-Scheer**, Assistant Dean, Administration, who has been with the

faculty for 9 years retiring effective Sept. 30, 2010.

**Shirley Swift**, Executive Secretary to the Dean who has been with the faculty for 13 years retiring effective December 31, 2010.

**Gladys McIntyre**, Undergraduate Admissions Coordinator, who has been with the faculty for 30 years retiring effective July 31, 2010.

We would like to wish them the best in their retirement.

## Appointments

The faculty would like to welcome the following people:

**Dr. Sharon Marsh** has joined the Faculty of Pharmacy and Pharmaceutical Sciences at the University of Alberta as an Assistant Professor. She has a PhD in Medical Genetics and 10+ years' experience in the field of cancer pharmacogenomics, with a particular focus on chemotherapy drug pathway analysis.

**Ann Thompson** has joined the faculty as Director of Experiential Education. Ann was recently a Clinical Practice Leader with Alberta Health Services in Edmonton, and has a wealth of experience in mentoring pharmacists in their clinical practice. She will be continuing her practice at the Hypertension Clinic at the University of Alberta hospital.

**Dr. Lars Oliver Klotz:** "Ole" Klotz has joined the faculty in August as our first Canada Research Chair. Dr Klotz comes from the University of Düsseldorf, Germany, where he is an Associate Professor in the Environmental Health Research Institute. He is a recognized leader in the areas of free radicals, oxidative stress and antioxidants.

**Dr Michelle Foisy** has joined our faculty as a Clinical Associate Professor in Pharmacy Practice in July 2010. Dr Foisy comes with a strong background in pharmacy practice, and is an expert in the area of infectious disease and HIV.

## Grants

**Dr. Michael Doschak** (PI) CIHR Proof of Principle (POP) Program Phase I – Drug Development grant. **201003PDD – Bisphosphonate-conjugated Calcitonin.** \$117,929 for one year.

**Dr. Ayman El-Kadi** for his recent grant success: CIHR Operating Grant title: Role of cytochrome P450 enzymes in pathogenesis of cardiac hypertrophy. \$382 602 over 3 years.

## Awards:

Congratulations to the following award winners:

**Dr Christine Hughes** was the recipient of the CPhA Patient Care Achievement Award for Specialty Practice (sponsored by AstraZeneca)

**Dr Kevin Hall** has joined our faculty as a Clinical Associate Professor in Pharmacy Practice this summer. Dr Hall is currently the Regional Director of the Regional Winnipeg Health Authorities Pharmacy Program and comes with a vast expertise in pharmacy administration.

**Frank Hanta**, Assistant Dean (Administration) for the Faculty of Pharmacy and Pharmaceutical Sciences, effective September 1, 2010. Most recently, Frank served as the Manager, Academic Affairs (Administration) within the Academic Affairs division of Grant MacEwan University.

**Lori Shockey (Bennett)**, Director of Development and Alumni Relations for the Faculty of Pharmacy and Pharmaceutical Sciences, effective September 15, 2010. She has served as the Senior Development Officer in the Faculty of Nursing for the past 3 years. Prior to her time with Nursing, she was with the central Development office for 18 years.

We would like to extend a big welcome to the following new faculty members:

Also a big welcome to:

**Elaine Swan**, Undergraduate Studies Coordinator

**Barbara Lafayette-Cassidy**, Administrative Assistant, Undergraduate Program

**Alixandra Pearce**, Administrative Assistant, Experiential Learning

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**Ann Thompson** was awarded the Hypertension Canada - Certificate of Excellence Award, August 2010

**Kevin Bredo** was the recipient of the Community Pharmacy Preceptor of the Year Award. Kevin is a pharmacist at the Medicine Shoppe Pharmacy in Red Deer.

**Minda Chan** received the Institutional Pharmacy Preceptor of the Year Award. Minda is a pharmacist at the Cross Cancer Institute in Edmonton.

**Todderick Prochnau** for the George A Burbidge Memorial Award from the Pharmacy Examining Board of Canada.

## General Faculty News

11th Annual Deans Golf Tournament:

On June 7, 2010, 140 diehard golfers waded through the rain to participate in the 11th Annual Dean's Golf tournament. Dean Jim Kehrer on a closest to the pin contest and Dean Emeritus Franco Pasutto on a putting challenge encouraged the golfers raised \$2200 for student scholarships and bursaries. The 2nd Annual Golf Tournament South was held on July 23, 2010 in Calgary.



On June 17th, Faculty of Pharmacy and Pharmaceutical Sciences members participated in a Faculty Retreat at Snow Valley. The day was a success! Everyone

enjoyed a day off Campus to discuss the direction that the Faculty will take over the next several years, identify 'Big Picture Goals' to achieve the vision and mission, and explore ways to approach critical thinking in teaching.



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## UNIVERSITY OF BRITISH COLUMBIA

### General Faculty News

#### Ground Broken for New UBC Faculty of Pharmaceutical Sciences Building

Construction is currently under way for the future home of the Faculty of Pharmaceutical Sciences, slated to open in fall 2012. The \$133.3-million building is made possible by a \$86.4-million investment by the Province of British Columbia – the second-largest infrastructure investment to UBC in a single building, after the adjacent Life Sciences Centre.

During the ceremony, Prof. Robert Sindelar, dean of the Faculty of Pharmaceutical Sciences, honoured **Profs. John McNeill, Frank Abbott, Bernie Riedel and Finlay Morrison**, who served as deans and acting dean between 1951 and 2002, with the presentation of ceremonial shovels.

Built to *Leadership in Energy and Environmental Design* (LEED) gold certification standards, the six-storey, 22,871-sq.-metre building will accommodate the expansion of the faculty's undergraduate and graduate programs and help address the shortage of pharmacists in B.C. The undergraduate "entry-to-practice" program will expand by 47 per cent, or 72 student spaces each

year, starting September 2011, bringing the total number of undergraduate students to 896 by 2015.

The Faculty's master's, PhD and Doctor of Pharmacy (Pharm.D.) programs will also grow significantly with the completion of the new facilities. The post-baccalaureate Pharm.D. program at UBC was the first in Canada. The two-year professional degree provides advanced education in clinical pharmacy practice in hospitals, ambulatory care or community-based sites.

The building will also be home to the Centre for Drug Research and Development (CDRD), which provides drug-development expertise and facilities to enable investigators from research universities and associated institutions to bridge the commercialization gap between academic discoveries in the life sciences and the development of new medicines.

Since its launch in 2007, CDRD's unique academic-industry model has attracted over \$75 million in funding from government and industry partners. It has also been recognized by the Government of Canada as a Centre of Excellence in Commercialization in Research.

## Recent Research Awards

**Dr. Urs Hafeli**, with **Dr. Mary Ensom** and Dr. Boris Stoeber (Mechanical & Electrical Engineering) as co-PI's, received a 3-year CHRP grant titled "Microneedle-based painless drug monitoring system in interstitial fluid". Their aim is to develop a point-of-care system for the analysis of some of these drugs that is not based on blood sampling, but on extracting and analyzing interstitial fluid (ISF). They will develop a test method based on the ability of an array of microneedles to painlessly extract minute amounts of interstitial fluid from a patient's skin. A first drug candidate is methotrexate, an effective but also highly toxic drug used in cancer chemotherapy, rheumatoid arthritis, acute organ rejection, and other conditions. The methotrexate content of the interstitial fluid in the disposable microneedle chip will be determined using a specific

enzymatic assay in a rapid and portable point-of-care instrument.

## CIHR Operating Grants – March 2010 Results

Faculty:

**Dr. Kishor M Wasan** – The role of serum lipoproteins in optimizing amphotericin B therapy

Adjunct Faculty:

**Dr. Marcel B Bally** – Identifying Cytoprotective Responses Triggered Following Initial Exposure to Targeted Therapy: Defining Improved Treatment Strategies for Patients with HER-2 Positive Breast Cancer.

**Dr. Sylvia Ng** – Antiangiogenesis-Induced Changes in the Tumour Microenvironment: A Window for Therapeutic Exploitation in Pancreatic Cancer

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## Individual Faculty News

**Dr. Mary Ensom** (and her research group) was named a Best Paper Award Finalist ("The Great Eight"), American College of Clinical Pharmacy. Mary will present the paper (Poulin E, Greanya E, Partovi N, Shapiro RJ, Al-Khatib M, Ensom MHH. Development and Validation of Limited Sampling Strategies for Tacrolimus and Mycophenolate in Steroid-Free Renal Transplant Regimens) at the 2010 Annual Meeting in Austin, Texas on Oct 18th.

**Dr. Rosemin Kassam** and Mona Kwong were awarded the 2010 American Association of Colleges of Pharmacy (AACCP) Rufus A. Lyman Award for best paper published in the American Journal of Pharmaceutical Education. Kassam and Kwong authored the winning paper entitled "An Enhanced Community Advanced Pharmacy Practice Experience Model to Improve Patient Care."

**Dr. Rosemin Kassam** was awarded the BCPhA Ben Gant Innovative Practice Award

**Dr. Fawziah Marra** and her department staff at the BC Centre for Disease Control received special recognition and thanks from Minister Ida Chong for their hard work during the pandemic, particularly in supporting the H1N1 vaccination program which was the largest

immunization campaign in the history of British Columbia.

## Student News

Mandy Yang (Pharmacy Year 3) and Herb Wong (Pharmacy Year 4) were awarded the BCPhA Future Leaders Award

Geetanjali Kharmate (PhD program) won an AAPS Travel Award (2010)

Stephen Lee (PhD program) won a Frederick Banting and Charles Best Canada Graduate Scholarships - Doctoral Award (2010)

Clement Mugabe (PhD program) won the Biovail Contract Research Award of Excellence for best poster presentation by a graduate student, post graduate, or post doctoral fellow in the area of pharmacokinetics at the 2010 CSPS Conference.

Dr. I fan Kuo (MSc program) won the Focus on Stroke 9 Research Fellowship (Heart and Stroke Foundation of Canada, CIHR Institute of Aging and Institute of Circulatory and Respiratory Health, and Canadian Stroke Network partnership) – Antithrombotics in atrial fibrillation: shared decision-making using incremental net-benefit analysis.

## DALHOUSIE UNIVERSITY

### General Faculty News

We are pleased to report that the Canadian Council of Accreditation of Pharmacy Programs (CCAPP) has awarded our College of Pharmacy full accreditation status, 2010-2016.

Dalhousie University has approved a new inter-professional health education building (the Health Education Building) for the Faculty of Health Professions. It will be part of the Carleton Campus, where the George A. Pharmacy Building is located. The Faculty of Health Professions is composed of eight schools – School of Nursing, School of Health and Human Performance, School of Health Administration, School of Human Communication Disorders, School of Social Work, School of Occupational Therapy, School of Physiotherapy and QEII Dal School of Health Sciences – one college - the College of Pharmacy, and two programs, the Clinical Vision Science Program located at the IWK Health Centre and Disability Management Diploma Program. Decisions will be made shortly on what will be contained in this new building.

The 12<sup>th</sup> Annual College of Pharmacy Research Day was held September 14, 2010. The research projects of eight undergraduate students were presented at this very successful event.

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Our first year students (Class of 2014) will be participating in an innovative new inter-professional learning program called the "Health Care Mentor's Program" launched by the Faculties of Medicine, Dentistry, Health Professions, and Computer Science. The program will be a component of Pharmacy 1080, the Community Experience Program. Groups of four students from different disciplines will meet with a volunteer health mentor. These mentors are adult volunteers with a chronic condition or disability, who are willing to share their experiences with living with their condition and navigating the health care system.

### Individual Faculty News

**Neil MacKinnon** was inducted as President of the Canadian Society of Hospital Pharmacists in August 2010 in Halifax during the organization's Summer Educational Sessions and Annual General Meeting.

The College of Pharmacy will soon be celebrating its 100<sup>th</sup> anniversary. We began as the Nova Scotia College of Pharmacy in 1911, with members of the Nova Scotia Pharmaceutical Society realizing the need for better pharmaceutical education. Classes were held at the Forrest Building, Dalhousie University and the main administrator and pharmacy lecturer was George A. Burbidge. In 1917 we became the Maritime College of Pharmacy with the New Brunswick Pharmaceutical Society joining to support operations. In 1950 the Prince Edward Island Pharmaceutical Association also joined in the operation of the College. Dalhousie University assumed full responsibility for the College in 1961 and we became part of the new Faculty of Health Professions. We are proud of our history and all that has been accomplished in pharmacy education. We look forward to 2011 our centennial year. Celebrations will be held throughout the year, several with the 47th Annual Dalhousie Pharmacy Refresher, **October 28 – 30, 2011**, in Halifax. Please join us!

For those of you who want to keep a closer eye on our happenings, follow us on Facebook: College of Pharmacy, Dalhousie University.

**Pollen Yeung** will co-chair a symposium with Drs. Lawrence Lesko (FDA) and Bruno Flamion (EMEA) entitled "Predicting Clinical Outcome Events Using Biomarker for Drug Development" at the FIP/AAPS Pharmaceutical Sciences World Congress in New Orleans, LS, USA, November 14 - 18, 2010.

**Neil MacKinnon** is the co-author of a new blog called Double Doctoring with Rhonda Church, a family physician. The blog can be accessed at: [www.canadianhealthcarenetwork.ca](http://www.canadianhealthcarenetwork.ca)

**Peter Zed** was appointed Chair, Board of Fellows, Canadian Society of Hospital Pharmacists.

**Peter Zed** was appointed as Clinical Scientist, Department of Emergency Medicine, IWK Health Centre, Halifax, NS

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## Publications

Church R, **MacKinnon NJ**. Take as Directed. Your Prescription for Safe Health Care in Canada. ECW Press, Toronto, ON; 2010. ISBN: 978-1-55022-952-3

Ackroyd-Stolarz S, **MacKinnon NJ**, **Zed PJ**, Murphy N. Use of an electronic information system to identify adverse events resulting in an emergency department visit. *Quality and Safety in Healthcare*. 2010. doi: 10.1136/qshc.2010.040378

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

**MacKinnon NJ**. Do you make a difference? *Pharmacy Business*. 2010; 2(2): 32.

**Gorman SK**, Chung MH, Slavik RS, **Zed PJ**, Wilbur K, Dhingra VK. A critical appraisal of the quality of critical care pharmacotherapy clinical practice guidelines and their strength of recommendations. *Intensive Care Medicine* 2010;36:1636-43.

## Grants

SafetyNET-Rx: Development and Testing of Evaluation Guides (Canadian Foundation for Pharmacy) (\$48,382)  
**Neil MacKinnon**, PI, Todd Boyle, co-PI, Andrea Scobie, Tom Mahaffey, and Bev Zwicker

CQI in Community Pharmacies: Reducing, Reporting and Learning From Medication Incidents (CIHR Meetings, Planning and Dissemination Grant: Institute of Health Services and Policy Research) (\$9852) **Neil MacKinnon**, PI, Todd Boyle, co-I.

## Other News of Interest

**Neil MacKinnon** is the co-author of a new book for the general public on how patients can safely navigate the healthcare system. The book is called *Take as Directed* and was published by ECW Press in September 2010. Neil's co-author is Rhonda Church, a family physician. The book has received several high profile endorsements including endorsements by the Canadian Patient Safety Institute, ISMP Canada, and *Canadian Living* magazine. CBC radio did a 5-part series on the book and the book received a positive review by *the Medical Post*. The book has been the #1 Nova Scotian book in the bestsellers list of the *Halifax Chronicle-Herald* and the #1 book in the healthcare category on amazon.ca.

Hohl CM, Abu-Laban RB, **Zed PJ**, Brubacher JR, Tsai G, Kretz P, Nemethy K, Pursell RA. Patient-reported adverse drug-related events to emergency department discharge prescriptions. *Can J Emerg Med* 2010;12:331-8.

Perrott J, Murphy NG, **Zed PJ**. L-carnitine for acute valproic acid overdose: a systematic review of published cases. *Ann Pharmacother* 2010;44:1287-93.

Hohl CM, **Zed PJ**, Brubacher JR, Abu-Laban RB, Loewen PS, Pursell RA. Do emergency physicians attribute drug-related emergency department visits to medication-related problems? *Ann Emerg Med* 2010;52:493-502.

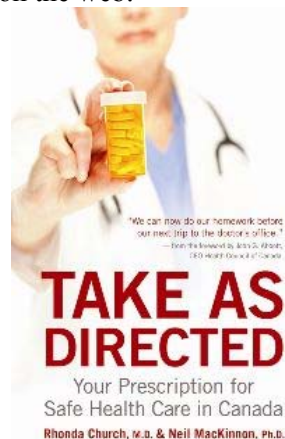
## Presentations

**Dr. Peter Zed** gave the following invited presentation: "Infectious Disease Management in Emergency Medicine", Canadian Association of Emergency Physicians Infectious Disease Roadshow, Canadian Association of Emergency Physicians Annual Scientific Meeting, Montreal, QC, May 29, 2010.

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*Take As Directed* is the first and definitive source book to:

- offer down-to-earth advice on how Canadians can obtain good health care, even in a "sick" system.
- outline communication styles of health-care providers and offer tried-and-true tips and tricks on dealing with various "bedside manners."
- offer guidance on optimizing the use of medications at home and reducing the chances of experiencing an adverse drug event, one of the commonest reasons for visits to Canadian emergency departments.
- identify trustworthy sources of health and medication information on the web.





## L'UNIVERSITÉ LAVAL

### Nouvelles générales / General Faculty News

Le mardi 14 septembre 2010 se déroulait la Soirée de remise des sarraus, en présence du vice-recteur aux études et aux activités internationales de l'Université Laval, Bernard Garnier, accompagné du doyen de la Faculté de pharmacie, le Dr Jean-Pierre Grégoire, de tout le personnel de la Faculté et des parents des nouveaux étudiants.

Le mardi 7 septembre dernier, Jean-Pierre Grégoire, doyen de la Faculté de pharmacie de l'Université Laval, procédait à l'inauguration d'un laboratoire au nom de la bannière Brunet qui a fait un don évalué à 1 M \$ pour le Projet Santé de l'Université Laval.

Le mardi 25 mai se déroulait la cérémonie de reconnaissance du don de Sandoz Canada. La compagnie a investi 750 000 \$ dans le Projet Santé notamment pour le laboratoire de manipulations stériles du Centre Apprentiss pharmacie de même que pour le développement d'activités de formation sur les préparations stériles à l'intention des futurs pharmaciens et des professionnels en exercice.



#### Caption

Crédit photo: Faculté de pharmacie

De gauche à droite:

Jenny Lower, pharmacienne adjointe du doyen, Jean-Pierre Grégoire, doyen, Anne Dionne, vice-doyenne aux études, Sophie Larouche, directrices des services professionnels chez Brunet, Serge Boulanger, président directeur général MCMahon Distributeur pharmaceutique inc.

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#### Caption

Crédit photo : Marc Robitaille

De gauche à droite: Denis Brière, recteur de l'Université Laval, Jean-Pierre Grégoire, doyen de la Faculté de pharmacie, sœur Lise Tanguay, supérieure de la congrégation des Augustines de Québec, Michel Robidoux, président de Sandoz Canada

Les cinq cyclistes féminines, regroupées sous le nom IUCPQ-Projet Santé-Université Laval, ont franchi avec

succès les 1 000 km du parcours entre Saguenay et Montréal du Grand défi Pierre Lavoie qui se déroulait en 60 heures, du 18 au 20 juin 2010.



#### Caption

Jenny Lower, pharmacienne et adjointe du doyen de la Faculté de pharmacie, Isabelle Riedl, étudiante à la maîtrise en physiologie-endocrinologie, Véronique Fortin, anesthésiologiste, Julie Sanders, physiothérapeute et Sophie Roberge, étudiante en médecine familiale

Le dimanche 20 juin 2010, tous les finissants en sciences de la santé de l'Université Laval étaient réunis à l'occasion de la collation des grades. Plus de 150 pharmaciens de la relève ont assisté à cette cérémonie qui couronnait des années d'études intensives.

Diane Lamarre, pharmacienne et présidente de l'Ordre des pharmaciens du Québec, a reçu un doctorat honorifique des mains de Denis Brière, recteur de l'Université Laval, à l'occasion de la Collation des grades du dimanche 20 juin 2010.

Le lundi 7 juin 2010, la Faculté de pharmacie tenait son 15<sup>e</sup> tournoi de golf bénéfique, placé sous la présidence d'honneur de Denis Villeneuve, un diplômé de 1982. Les 149 golfeurs se sont retrouvés au club de Lévis, encore cette année. Rappelons que cet événement a rapporté 32 500 \$ au Fonds d'enseignement et de recherche de la faculté (FER).

#### **Nos Professeurs / Individual Faculty News**

Le doyen de la Faculté de pharmacie, le Dr Jean-Pierre Grégoire, a annoncé qu'à la suite d'une recommandation favorable du Comité de nomination de l'Université Laval, le vice-recteur aux ressources humaines a élevé nos collègues Anne Dionne au rang de professeur titulaire et Jean Lefebvre de même que Frédéric Picard au rang de professeur agrégé.

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#### **Nos diplômés / Alumni news**

Jean-François Bussièrès, est récipiendaire du prix André Archambault, accordé par l'Université de Montréal afin de souligner l'excellence de son enseignement à titre de professeur titulaire de clinique.

Jean-François Bussièrès a aussi reçu le Prix d'excellence en pratique spécialisée Novopharm-APES de l'Association des pharmaciens en établissements de santé (APES).

Bernard Deshaies, a reçu le prix Wyeth de l'apothicaire pour la province de Québec en reconnaissance de sa réussite professionnelle obtenue grâce à une spécialisation en droit et à ses importantes réalisations.

Stéphanie Mercier, chargée d'enseignement et coordonnatrice des milieux professionnels à la Faculté de pharmacie, a été élue vice-présidente de l'Ordre des pharmaciens du Québec (OPQ) le 9 juin 2010, pour l'exercice 2010-2011.

Le Dr Olivier Barbier, est récipiendaire du prix Sanofi-Aventis Canada/AFPC New Investigator Research Award. Il a reçu son prix de la présidente du comité de remise des prix de l'Association des facultés de pharmacie du Canada (AFPC), Mary MacCara.

Le Dr Éric Biron a reçu une subvention d'un montant de \$192 000 \$, réparti sur 3 ans, du Fonds québécois de la recherche sur la nature et les technologies, pour un projet de recherche en équipe.

Le Dr Éric Biron a reçu une subvention de la Fondation Banting pour mener à bien ses travaux sur le développement de nouveaux agents anticancéreux ciblant la survivine.

Le Dr Frédéric Calon, professeur, a obtenu une subvention de 150 000 \$ de la Société Alzheimer du Canada afin d'étudier le rôle de la protéine TDP-43 dans la maladie d'Alzheimer.

Le Dr Frédéric Calon a aussi reçu un octroi de 100 000 \$ dans le cadre du programme STAR de l'AFMnet. Son projet de recherche vise à mieux déterminer quel acide gras oméga-3 disponible à la pharmacie est le plus efficace dans un modèle animal de la maladie de Parkinson.

Jacques Turgeon, est récipiendaire de la prestigieuse récompense, le prix Louis-Hébert, décernée par l'Ordre des pharmaciens du Québec.

#### **Pharmaciens de cœur et d'action**

Cinq de nos diplômés sont récipiendaire du concours Pharmacien de cœur et d'action organisé par L'actualité pharmaceutique

Marie-Andrée Leclerc, récipiendaire dans la catégorie Étudiante en pharmacie.

Stéphane Côté, récipiendaire dans la catégorie Pharmacien communautaire

Jean-Philippe Gentès, récipiendaire dans la catégorie Pharmacie de la relève

Roger Leblanc, récipiendaire dans la catégorie Pharmacien visionnaire

Isabelle Tremblay, récipiendaire dans la catégorie Pharmacienne collaboration interdisciplinaire

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## Nos étudiants / Students News

Le vendredi 28 mai, avait lieu la Journée de présentation des essais par les étudiants à la maîtrise en pharmacie d'hôpital.

1<sup>er</sup> prix : Marie-Hélène Dancause

2<sup>e</sup> prix ex-æquo : Marie-Sophie Lambert et Liza Gauthier-Gravel

La présentation de Jocelyn Trottier, doctorant au laboratoire de pharmacologie moléculaire du Dr Olivier Barbier, a été sélectionnée parmi les dix meilleures (Poster of Distinction) lors du dernier congrès international portant sur les maladies du système digestif (Digestive Diseases Week, DDW) tenu à la Nouvelle-Orléans, en Louisiane, du 1<sup>er</sup> au 5 mai 2010.

## Événements à venir / Upcoming events 2010

Le mardi 2 novembre :  
la Cérémonie de remise des bourses d'excellence de la Faculté de pharmacie est un événement annuel qui vise à récompenser l'excellence universitaire et l'implication des étudiants de la Faculté.

Le 2 décembre :

la Journée de pharmacothérapie

En collaboration avec la Faculté de médecine, les objectifs de cette formation sont :

- Revoir l'utilisation de certains médicaments incluant de nouvelles entités pharmacologiques;
- Faciliter l'utilisation optimale des traitements;
- Assurer le suivi de la pharmacothérapie.

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## MEMORIAL UNIVERSITY OF NEWFOUNDLAND

### Appointments, Promotions and Leaves

#### New Faculty and Staff

**Dr. Noriko Daneshtalab** has been appointed Assistant Professor from October 1, 2010.

**Dr. Jason Kielly** has been appointed Assistant Professor from July 19, 2010.

**Dr. Barbara Thomas** has been appointed Clinical Assistant Professor from September 1, 2010.

**Ms. Tiffany Fahey** has been appointed Lecturer from August 1, 2010 for a 9-month term.

**Ms. Jennifer Deon** has been hired as Communications Coordinator starting in March 2010.

**Mr. Justin Peddle** has been hired as Drug Information Pharmacists starting in September 2010.

**Ms. Elizabeth Woodford** has been hired as Drug Information Pharmacists starting in September 2010.

#### Promotions

**Dr. John Hawboldt** was promoted to Associate Professor and received tenure, effective September 1, 2010.

**Dr. John Weber** was successful in receiving early promotion to Associate Professor, effective September 1, 2010.

#### Leaves

**Dr. Debbie Kelly** is on sabbatical leave from May 1, 2010 until April 30, 2011.

**Dr. Lisa Bishop** celebrated the birth of her second child, Sarah Jane, in July 2010. She is on maternity leave until June 2011.

**Dr. Rebecca Law** has returned from her sabbatical leave as of September 1, 2010.

Sincere thanks to Jennifer Deon for putting the MUN information together.

## General School News

### Memorial University's School of Pharmacy receives Full Accreditation from CCAPP

The School of Pharmacy at Memorial University has been awarded full accreditation until 2016 by the Canadian Council for Accreditation of Pharmacy Programs (CCAPP).

"This is absolutely wonderful news and reflects the hard work of everyone here," said the school's director, Dr. Linda Hensman, in her letter to the school's faculty and staff. "It's not just in the work we did for the self-assessment and site visit, but for all we have accomplished in the past six years with the new curriculum, research and innovative teaching."

For more information, or to view the complete CCAPP evaluation report, please visit:

<http://www.mun.ca/pharmacy/aboutpharmacy/accreditation.php>

### Individual Faculty News

**Dr. Leslie Phillips** received the Alumni Achievement Year Award from the School of Pharmacy at Memorial University at their annual award ceremonies in September 2010. The award, established in 2008-9, honours and celebrates the contributions of alumni to the pharmacy profession and is the highest distinction for graduates of the school. In remarking on Dr. Phillips' achievements, school director Dr. Linda Hensman said that Dr. Phillips has made "a profound impact on pharmacy education, practice and patient care in the province."



As part of the 100th anniversary celebrations of pharmacy as a regulated profession in the province, the

### International Collaborations

**Dr. Mohsen Daneshtalab**, a professor of medicinal chemistry and the associate director of graduate studies and research at Memorial University's School of Pharmacy, recently spent several weeks as a guest professor at the Osaka Prefecture University in Osaka, Japan.

During his visit in May, Dr. Daneshtalab presented several well-received lectures on drug design and discovery to undergraduate and graduate students in the university's School of Science, in addition to research presentations with faculty and research meetings with graduate students working under Professor Masahiro Toyota, a long-time research colleague.

For more information about Dr. Daneshtalab's experience, please visit:

<http://www.mun.ca/gazette/issues/vol43no1/research.php>

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Newfoundland and Labrador Pharmacy Board, with the assistance of Apothecary Hall Trust, recognized the contribution of 100 Newfoundland and Labrador pharmacists over the past 100 years. Four faculty members – **Drs. Linda Hensman, Deborah Kelly, Leslie Phillips, and Stephanie Young** – were honoured by their inclusion in this group of 100.

In September, **Dr. Deborah Kelly** received the Alfred G. Dawe Distinguished Service Award for 2010 from the Canadian Society of Hospital Pharmacists, Newfoundland and Labrador Chapter.

**Dr. Linda Hensman and Dr. Barbara Thomas** each received a 25-year service pin from the Pharmacists' Association of Newfoundland and Labrador's at the annual awards ceremony in September.

### Grants

**Dr. Rebecca Law** in collaboration with Dr. Roger Butler (PI), Ms. Kimberly Coffey, Dr. Kris Aubrey and Ms. Cathy Wicks received a grant of \$29,001 from the Newfoundland and Labrador Centre for Applied Health Research (NLCAHR) for the project entitled "Does a Dementia Unit reduce polypharmacy in a Veterans Pavilion?"

## Publications

Ma C-M., Abe T., Komiyama T., Hattori M., Wang W., and **M. Daneshtalab**. "Synthesis, Anti-fungal and 1,3- $\beta$ -D-Glucan Synthase Inhibitory Activities of Caffeic and Quinic Acid Derivatives." *Bioorganic and Medicinal Chemistry* (2010) 18:7009-7014.

Smeda, J.S. and **N. Daneshtalab**. "The effects of poststroke captopril and losartan treatment on cerebral blood flow autoregulation in SHRsp with hemorrhagic stroke." *Journal of Cerebral Blood Flow & Metabolism* (2010) Epub ahead of print at <http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm2010110a.html>

**Dillon C.** "Prenatal and postpartum care," *Patient Self-Care*, 2nd ed., C. Repchinsky, ed. Canadian Pharmacists Association, Ottawa, ON (2010), pp 818-841.

## Presentations

**Bishop, L.** and **S. Young**. "Pharmacist Clinical Documentation in a Patient's Medical Record...moving into the electronic world," *Pharmacists Association of Newfoundland and Labrador Annual Conference* (2010), St. John's, NL (oral presentation)

Kearney A., Adey T., Burse M., **Conway A.**, Cooze L., Cuning G., **Dillon C.**, Pevida A., Barrett J., Barter J., King-Jesso P., Kirby B., McCarthy P., Hollett A., Mullins-Richards P., and H. Predham. "Improving Patient Safety Through Undergraduate Interprofessional Education," *Canadian Conference on Medical Education* (2010), St. John's, NL (oral presentation) and *Altogether Better Health 5: International Interprofessional Education Conference* (2010), Sydney, Australia (poster presentation)

**M. Daneshtalab** was invited by Osaka Prefecture University, as a guest Professor, during May 2010. While there, he presented the following:

- Life is Chemistry (general lecture)
- "Design and Discovery of Novel Peptidomimetics with Drug-Like Properties; and Structure-Based Design"; and "Syntheses of Polycyclic Quinolone-Based Molecules as DNA Topoisomerase II Inhibitors with Potential Antitumor Activity" (research presentations)
- Principles of Drug Discovery & Principles of Drug Development (graduate lectures)

Cahill D, Stringer K, and **C. Dillon**. "Nurse Practitioner as Lead Educator for Family Practice Residents in the Community Care of the Frail Elderly: An Interprofessional Education Strategy," *Family*

*Dranitsaris G., Edwards S., Edwards J., Leblanc M. and R. Abbott*. "Bevacizumab in combination with folfiri chemotherapy in patients with metastatic colorectal cancer: an assessment of safety and efficacy in the province of Newfoundland and Labrador." *Current Oncology* (2010) 17:5:12-16.

Bader, M.S. and **J. Hawboldt**. "Antibiotic Prescribing and Antimicrobial Resistance." *Postgraduate Medicine* (2010) 122:4:227-229.

**Law RM.** Chapter 64: Psoriasis. In Chisholm-Burns MA, Schwinghammer TL, Wells BG et al (eds.) *Pharmacotherapy Principles and Practice*, 2<sup>nd</sup> ed. McGraw-Hill Medical, New York (2010), pp 1079-1092.

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*Medicine Forum* (2010), Vancouver, BC. (poster presentation)

Harding L., Newhook L., Edwards J., and **S. Edwards**. "Implementation of a Pharmacy Technician Coordinated Compassionate Drug Access Program in an Ambulatory Cancer Center," *Canadian Association of Pharmacy in Oncology National Oncology Pharmacy Symposium* (2010), Winnipeg, MB (poster presentation)

Stever S., Layden A., **Edwards S.**, and L. Corbett. "The impact of the implementation of a gynecologic oncology clinical pharmacist program," *Canadian Association of Pharmacy in Oncology National Oncology Pharmacy Symposium* (2010), Winnipeg, MB (poster presentation)

**Young S., Bishop L., Twells L., Dillon C., Hawboldt J.** and O. O'Shea. "Comparison of Pharmacist Managed Anticoagulation with Usual Care in a Family Medicine Clinic," *Family Medicine Forum* (2010), Vancouver, BC. (oral presentation)

**Young S., Bishop L., Dillon C., Hawboldt J., and L. Twells**. "Survey of patients' and physicians' satisfaction with a pharmacist managed anticoagulation program in a family medicine clinic," *American College of Clinical Pharmacy Spring Practice and Research Forum* (2010), Charlotte, NC. (oral presentation)

**S. Young**. "Self Monitoring of Blood Glucose - Where do we go from here?" *Pharmacists Association of Newfoundland and Labrador Annual Conference* (2010), St. John's, NL (oral presentation)

## UNIVERSITY OF SASKATCHEWAN

### Appointments

**Dr. Yvonne Shevchuk** was appointed Associate Dean Academic for a 5-year term beginning July 1, 2010.

We are pleased to have with us Pharmacy term faculty **Rhett Carbno** and **Jade Rosin**, and Sessional Lecturers **George Katselis**, **Ken Gunn**, **Barry Lyons**, and **Barry Ward**. Searches are underway for three faculty positions – in the areas of Drug Utilization, Adult Medicine and Pediatrics.

### General Faculty News

We are delighted to report on the successful completion of two major fundraising initiatives. This spring, **Dr. David Blackburn** was named to the College's first research chair – the *Patient Adherence to Drug Therapy Chair*. This an exciting joint venture between our College and partners Saskatchewan Health, AstraZeneca Canada, Merck Frosst Canada, Pfizer Canada and the Colleges of Medicine and Nursing. Recruitment is underway for a *Chair in Rational Drug Design*, generously supported by GlaxoSmithKline Inc., Saskatchewan Health, SaskTel, the University and College.

The University has approved our College's proposal for a *Health Quality Improvement Initiative for the Health Sciences*. To spearhead this initiative, funding has been secured from the Provost's Committee on Integrated Planning, provincial Ministry of Health, Saskatchewan Health Quality Council and Health

Science colleges to recruit a *Chair in Quality Improvement Science and Interprofessional Health Education*. Work is ongoing to establish additional research chairs.

**Dean David Hill** and faculty are embarking on a number of major initiatives, the first of which is a program evaluation of the BSP, based on the AFPC/ADPC Pharmacy programs logic model, educational outcomes and levels of performance expected of graduates. This is in advance of our upcoming CCAPP accreditation review (Fall 2011). We are linking this closely to a quality assurance plan for our Pharmacy and Nutrition undergraduate and graduate programs. Guided by the *Blueprint for Pharmacy*, we are also in the process of developing a position paper on the re-design of the Pharmacy program. All of this work is being done in the context of the University's *Third Integrated Plan 2012-2016*, work on which is underway.

The Continuing Professional Development for Pharmacists unit in the College is working on the next stage of training for prescriptive authority for pharmacists (minor ailments) and a preceptor development program.

The Saskatchewan Drug Information Service had a summer student this year, working on surveys, antimicrobial stewardship and vancomycin dosing.

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### Individual Faculty and Staff News

**Dr. Derek Jorgenson** has been named *Canadian Pharmacist of the Year* by CPhA in recognition of the outstanding leadership and respect he is bringing to the profession and to pharmacists' expanded role in health care.

**Dr. Dennis Gorecki** received a *CPhA Honorary Life Membership* to mark his outstanding service to pharmacy and the profession.

**Dr. Roy Dobson** recently received special recognition for his contributions to AFPC.

**Dr. Kerry Mansell** has been elected Chair of the Pharmacists Association of Saskatchewan Board of Directors for 2010-11.

### Alumni News

The University's *Annual Homecoming Reunion* was held in June, at which time we welcomed back graduates from 1950, 1960, 1961, 1970 and 1971.

In addition, the Class of 2000 had a very successful 10-Year Reunion.

The July 2010 *Golden Suppository Golf Classic* generated over \$33,000, through generous contributions and sponsorship from industry representatives and practitioners, to support College research.

## Grants and Research Update

**Dr. David Blackburn** and colleagues from Pharmacy and Nutrition and other health sciences are in the midst of a major study titled “Community Pharmacists Assisting in Total Cardiovascular Health.” **Jaris Swidrovich** is working as a Research Associate on the project.

**Dr. Derek Jorgenson** is co-investigator on a Health Canada project to engage communities in implementing a framework for tobacco control with vulnerable populations.

NSERC Discovery grants were recently awarded to **Dr. Anas El-Aneed** to study mass spectrometry and drug

delivery nanoparticles and to **Dr. Ildiko Badea** for work on diamond nanoparticles to target gene delivery.

**Drs. Jian Yang** and **Jane Alcorn** were successful with their application to the Canadian Breast Cancer Foundation to investigate therapeutic effects of Sphingosine-1-Phosphate against breast cancer.

Nutrition faculty are actively pursuing research in various fields; **Drs. Carol Henry, Gord Zello, Susan Whiting** and **Hassan Vatanparast**, along with Pharmacy colleagues **Drs. Adil Nazarali** and **Roy Dobson**, are involved in a range of international projects.

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## Undergraduate News

Ninety-one students received the BSP at Spring 2010 Convocation, and 23 students the BSc (Nutrition). Enrolment in the BSP for 2010-11 is 350, with 89 students in Year 1, 89 in Year 2, 86 in Year 3 and 86 in Year 4. Enrolment in the BSc (Nutrition) program totals 99, with 28 students in Year 1, 28 in Year 2, 22 in Year 3 and 21 in Year 4.

Saskatchewan Pharmacy and Nutrition Students’ Society (SPNSS) Co-Presidents Graham Houk and Kylie Noyes, Pharmacy Senior Stick Jenna Arnelien,

Senior DC Liaison Dana Borys and Council representatives welcomed the Classes of 2014 at *Orientation 2010* activities. The 18<sup>th</sup> Annual SPNSS Professional Enhancement Day will be held in October, at which time Dr. Ken Stakiw, Director of Palliative Care for the Saskatoon Health Region, will talk to students, faculty and staff about the vital role of the interprofessional palliative care team. Our students have been given the honour of hosting PDW in January 2011, and are working hard to plan an excellent program.

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## Graduate News

Two recent Ph.D. graduates – Dr. Jennifer Billinsky and Dr. Erica Ling, are pursuing Postdoctoral studies in the College, with Drs. Jane Alcorn and Susan Whiting, and Dr. Gord Zello, respectively.

Enrolment in the Pharmacy graduate program is 22 MSc, 12 PhD; and in Nutrition, 15 MSc students, 1 InterD MSc and 8 PhD – for a total of 58 students, our largest complement ever. We welcomed new students from Saskatchewan, Alberta, Brazil, China, Ghana, India, Iran, Saudia Arabia and Serbia.

Pharmacy and Nutrition graduate students were recognized for their excellent work at the University’s annual *Health & Life Sciences Research Day*, held this

March: 1<sup>st</sup> Place honours to Jatinder Mukker (Supervisors Drs. Jane Alcorn and Ed Krol); Xia Wang (Supervisor Dr. Adil Nazarali); Samantha Mitchell (Supervisor Dr. Carol Henry); and Ravi Singh (Supervisor Drs. Jane Alcorn and J.R. Dimmock); and 2<sup>nd</sup> Place awards to Fei Peng (Supervisor Dr. Brian Bandy) and Jagbir Singh (Supervisor Dr. Ildiko Badea). Ravi Singh is also the recipient of an *AFPC Student Research Poster Award*.

The College was pleased to have three visiting graduate students from France this summer, working on projects with Drs. Alcorn and Whiting, as well as several summer research students.

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Sincere thanks to Merry Beazely who does the major work in putting the newsletter information together.

## University of Toronto

### Appointments

#### New Associate Dean, Research

Professor **Ray Reilly** was recently appointed Associate Dean, Research at the Faculty, for a five-year term beginning July 1, 2010. Dr. Reilly is in the process of developing a vision for research at the Faculty, and hopes to share this vision in the near future.

**Dr. Ray Reilly** has also published a book, *Monoclonal Antibody and Peptide-Targeted Radiotherapy of Cancer*.

### General Faculty News

The Leslie Dan Faculty of Pharmacy at the University of Toronto is offering the **Industrial Pharmacy Residency Program** in cooperation with the following companies: Hoffmann LaRoche Ltd., Eli Lilly Canada Inc., Janssen-Ortho / Ortho Biotec and Takeda Canada Inc., for the term 2011-2012. Application forms, letters of reference and transcripts should be sent to the coordinator during the period Nov.1 2010 to Jan. 31 2011. Full information is available at the website [http://pharmacy.utoronto.ca/programs/residency/Industrial\\_Pharmacy\\_Residency\\_Program.htm](http://pharmacy.utoronto.ca/programs/residency/Industrial_Pharmacy_Residency_Program.htm)

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### Grants and Awards:

Professor **Reina Bendayan** has been elected FELLOW of the American Association of Pharmaceutical Scientists (AAPS). This award recognizing excellence in pharmaceutical sciences research will be presented at the FIP Pharmaceutical Sciences 2010 World Congress in association with the AAPS Annual Meeting & Exposition to be held in New Orleans, November 2010.

Assistant Professor **Suzanne M. Cadarette** received an Early Researcher Award from the Ontario Ministry of Research and Innovation, for her program of drug safety and effectiveness research. She is focusing on the safety and effectiveness of osteoporosis drugs, and the impact of non-osteoporosis medications on fracture risk.

At the 13th Annual Canadian Society for Pharmaceutical Sciences Symposium, Assistant Professor **Carolyn Cummins** was recognized with the GlaxoSmithKline/CSPS Young Investigator Award. This award is presented annually to a pharmaceutical scientist to recognize their outstanding research achievements and contributions in their first seven years following their graduation from a doctorate program.

Assistant Professor **Carolyn Cummins** has also received an Early Researcher Award from the Ontario Ministry of Research and Innovation. Her research

examines the role of nuclear receptors in metabolic disease. Dr. Carolyn L. Cummins is working to develop safer anti-inflammatory drugs, leading to improved quality of life for patients taking glucocorticoid drugs and increased health care savings for Ontario.

Professor **Shana Kelley** was the recent recipient of an NSERC E.W.R. Steacie Memorial Fellowship. This prestigious Fellowship will support Dr. Kelley's work developing low-cost diagnostic technologies to be used in developing countries where infectious diseases result in millions of deaths each year. The nanomaterial-based, cost-effective, and easy-to-use diagnostic tool that Dr. Kelley is developing for infectious disease could play a significant role in preventing these unnecessary deaths.

Professor **Shirley X.Y. Wu** has recently been awarded a MaRS Innovation Proof of Principle grant for the development of a "Smart" closed-loop insulin delivery device, which is made available through the Ontario Centre of Excellence (OCE) as part of the Ontario Research and Commercialization Program (ORCP) of the Ministry of Research and Innovation. The nanotechnology-enabled device integrates glucose-sensing and insulin delivery into one system for tight control of glycemia automatically and continuously leading to the better management of diabetes.



## University of Waterloo

### Appointments

**Danny Ho** has been appointed as an Adjunct Lecturer, teaching PHARM 140 Computing for Pharmacists - Fundamental Concepts and PHARM 262 - Foundations and Applications of Health Informatics. Danny holds BAsC and MASc degrees from the University of Waterloo, and is completing his Ph.D in the Department of Information Systems, UMBC, Baltimore, Maryland. He spent five years in an urban hospital setting deploying and evaluating health information technologies.

**Festo Damian** has been appointed as an Adjunct Assistant Professor, teaching PHARM 125 - Pharmaceutics 2, a portion of PHARM 322 - Clinical Application of Pharmaceutical Sciences and assisting with PHARM 361 - Advanced Compounding. Festo has just completed his postdoctoral fellowship at the Microbicide Delivery Lab, University of Utah and prior to that was a Lecturer in the Department of Pharmaceutics, Muhimbii University College, Tanzania.

**Janie Bowles-Jordan** has been appointed as an Adjunct Assistant Professor and will be responsible for developing the Medication Management Clinic which will support PHARM 415 - Clinical Rotation: Integrated Care. Janie is a Clinical Pharmacist Consultant for MediLink Community Health Services in Hamilton. Janie completed her pharmacy degree at the University of Toronto and a Hospital Pharmacy Residency at St Joseph's Hospital, Hamilton. She brings a wealth of clinical, business and teaching

experience in community, hospital and ambulatory pharmacy practice.

**Lesley Ng** has joined the School as Experiential Coordinator. She will be working with Anson Tang to provide support for the co-op program, further development of experiential assessment tools, and she will be involved in first year courses. Lesley is a University of Toronto pharmacy graduate and completed a Hospital Pharmacy Residency at The Ottawa Hospital. She has been a clinical hospital pharmacist, and worked in community, industry and research positions.

**Dr. Feng Chang** will join the School of Pharmacy as an Assistant Professor, with a focus on Rural Primary Care, beginning November 1, 2010. This position was created through a collaborative arrangement between the School of Pharmacy and Gateway Rural Health Research Institute located in Seaforth, Ontario. This exciting partnership will help better manage health care in rural settings through practice innovation and research. Dr. Chang will work with Gateway and local health care teams to build a pharmacy presence and move practice research forward. He is an experienced clinician researcher whose most recent positions have been as a Clinical Pharmacy Practitioner at North York General Hospital, an Assistant Professor with both the University of Western Ontario Schulich School of Medicine and Dentistry and the University of Toronto Leslie Dan Faculty of Pharmacy, an Associate Scientist at the Lawson Research Institute and a consultant pharmacist with the Southwestern Ontario Regional Geriatric Program.

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### General Faculty News

**Dr. Nancy Waite**, Associate Director, Practice Based Education, has been appointed Interim Hallman Director of the School of Pharmacy as well as Interim Director of the Health Sciences Campus for the six months commencing July 1, 2010. The search process for the new permanent Director is proceeding, chaired by the Dean of the Faculty of Science, Dr. Terry McMahan.

On June 10, 2010 the School of Pharmacy was the proud recipient of the 2010 Innovative Involvement Award, presented by the Kitchener-Waterloo Volunteer Action Centre. The award recognized the

program's first year community service learning program, known as the Innovation Garden: planting ideas, growing change. Teams of first-year students work on capacity-building projects with local service agencies. The project work ties back to curriculum in the communications and introduction to the profession courses.

The June 2010 issue of Canadian Architect magazine featured a cover story on the Waterloo School of Pharmacy building, highlighting its unique design features and impact on the rejuvenation of the core of Kitchener.

## Individual Faculty News

**Dr. Shawn Wettig** and his colleagues made several presentations at the Canadian Chemistry Conference and Exhibition held in Toronto, May 29 – June 2, 2010. Topics included:

- Thermodynamic investigation of the binding of dissymmetric pyrenyl-gemini surfactants to DNA
- Substituted gemini surfactant binding to DNA
- An interfacial examination of the interactions between gemini surfactants, neutral helper lipids, and deoxyribonucleic acid
- Synthesis and aggregation properties of dissymmetric phytanyl-gemini surfactants for use as improved DNA transfection vectors

## Grants

**Dr. Praveen Nekkar** and **Dr. Michael Beazely** have both received University of Waterloo Research Incentive Fund grants in the amount of \$8,000. Dr. Nekkar's award will support work in developing novel anti-inflammatory agents to treat cardiovascular diseases. Dr. Beazely's grant is directed to the project: *Promoting cell survival in Alzheimer's disease, HIV-associated neurological disorders, and stroke with neurotrophins and neurotrophic signaling pathways.*

## Publications

Book Chapter – **J. W. Joseph** and colleague (2010). Secretory pathways and exocytosis in insulin secretion in *Islets: Biology, Immunology, and Clinical Transplantation*. Ed. Fouad Kandeel. Springer. (Chapter - in press).

**S.D. Wettig**, **M. Foldvari**, and colleagues "Enhanced gene expression in epithelial cells transfected with amino acid-substituted gemini nanoparticles", *European Journal of Pharmaceutics and Biopharmaceutics*, **75**, 411-320 (2010).

**S. D. Wettig**, **J.W. Joseph**, **R.A. Slavcev** and colleagues "Thermodynamic Investigation of the Binding of Dissymmetric Pyrenyl-Gemini

- Characterization of the concentration of pyrene species present in an aqueous solution of pyrene-labeled gemini surfactant

**Dr. Jamie Joseph** and **Dr. Shawn Wettig** and colleagues presented the poster *ARNT/HIF-1 $\beta$  plays a critical role in maintaining glucose competence of insulin secreting pancreatic  $\beta$ -cells* at the conference Keystone: Islet and b-cell Biology/Diabetes in April, 2010 in Whistler, BC.

**Dr. Jamie Joseph** made two recent presentations for the Juvenile Diabetes Research Foundation in Waterloo, ON. His topics were *Ultrasound targeted microbubble destruction as a treatment of diabetes* and *Novel treatments of type 1 diabetes.*

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Surfactants to DNA", *Physical Chemistry Chemical Physics*, **12**, 4821-4826 (2010).

**M. Foldvari**, **S. D. Wettig** and colleagues "Topical Delivery of Interferon Alpha by Biphasic Vesicles: Evidence for a Novel Nanopathway across the Stratum Corneum", *Molecular Pharmaceutics*, **7**, 751-762 (2010).

**S.D. Wettig**, **J.W. Joseph** and colleagues "The dicarboxylate carrier plays a role in mitochondrial malate transport and in the regulation of glucose-stimulated insulin secretion from pancreatic  $\beta$ -cells" *Diabetologia*, **IN PRESS** (2010)

**S.D. Wettig**, **J.W. Joseph** and colleagues "ARNT/HIF-1 $\beta$  plays a critical role in maintaining glucose competence of insulin secreting pancreatic  $\beta$ -cells" *Journal Biological Chemistry*, **In Press**, (2010).

**S.D. Wettig** and colleagues "Interactions between gemini and nonionic pharmaceutical surfactants", *Canadian Journal of Chemistry*, **IN PRESS** (2010).

**J.W. Joseph** and colleagues (2010). "The role of the a-ketoglutarate carrier (OGC) in glucose stimulated insulin release". *Journal of Biological Chemistry* 285(22):16530-7.

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