



AFPC COMMUNICATION

Association of Faculties of Pharmacy of Canada

Association des Facultés de Pharmacie du Canada

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PRESIDENT'S MESSAGE

Welcome back to another academic year!
Hope everyone is enjoying the excitement
that comes with the fall term and a new
class of enthusiastic first year students!!

The Annual General Meeting of AFPC, held in Edmonton, Alberta in June, was an outstanding success. Many thanks to Sharon Mitchell and her committees for the excellent conference and all the attention to detail! The conference opened with a dinner and inspiring presentations by award winners. With the conference theme "Preparing Pharmacists for the Future" Dr Dick Gourly from the University of Tennessee opened the Teachers Conference by sharing some of his experiences with the changes to pharmacy education in the United States. Attendees then learned about plans from Pharmacy Faculties across Canada for the implementation of Entry Level Pharm D programs. The Pharmacy Practice Research Symposium, held jointly with CPhA, was well

attended and received very favourable comments from all attendees.

Our council meetings were very productive and I look forward to another busy year.

The PEP-Canada group has met several times with many benefits being reported from these networking opportunities. AFPC will focus this year on developing an AFPC Guide for Program Evaluation. This initiative is being lead by Dr. Ingrid Price of British Columbia and Dr. Sharon Mitchell of Alberta. The Council will also be continuing its work on the Strategic Plan and furthering pharmacy practice research.

The AACP meeting was held in San Diego in July. I brought greetings on behalf of AFPC. Dr. Abbott and I meet with Dr. Lucinda Maine of AACP to begin the planning for a joint meeting in Chicago 2008. Dr. Lalitha Raman-Wilms and Dr. Zubin Austin of Toronto will co-chair the host committee for this conference. We look forward to an exciting meeting where we will have the opportunity to share with our colleagues from the United States.

In closing I would like to say that I am honoured to be serving as your President for the next year. I would like to take this opportunity to thank Zubin Austin for his excellent leadership and contributions over the last year as well as the hard work of all the Council members. Many thanks also to Dr. Frank Abbott for his continued commitment and enthusiasm for the advancement of this organization. Best wishes to all AFPC members for an exciting and productive year!

Anne Marie Whelan

AFPC President, 2006-2007

EXECUTIVE DIRECTOR'S CORNER

What a wonderful summer we've had and hopefully it was sufficient to energize all of you for the start of the 2006-2007 term. Given the observed response from emails and such, it is obvious that most of you are already working at full throttle. May I wish all of our dedicated faculty members and students a very productive and successful academic term.

AFPC has had a productive year so far and your new council and executive are busy with a number of projects that intend to further the interests of pharmacy academia in Canada and to add value to the quality of existing academic programs. A rather large project, that is now starting to take actual shape, is the creation of a research and teaching database that will serve the ten Canadian Faculties of Pharmacy. This searchable database, that is to be located on the AFPC web site, will provide a wealth of information to pharmacy faculty members, to our pharmacy stakeholders, and to prospective undergraduate and graduate students on a worldwide basis. Research and teaching expertise together with full contact information for pharmacy academics in Canada will be available through a single site. This project that has been championed by Sylvie

The Awards Book for 2006-2007 will soon be sent out to council members for distribution and to be posted on the AFPC web site. We ask you to begin thinking of excellent candidates to nominate for the major awards. AFPC held a healthy awards competition in 2005-06 and we are hoping to repeat this feat in the current year. The Canadian Foundation for Pharmacy Research Poster Awards is to be replaced by the AFPC Pharmacy Student Research Poster Awards until a suitable replacement sponsor is found.

In other activities, your executive director recently met with Thanh Vu, Coordinator for BC Adverse Drug Reaction Monitoring of Health Canada. A survey is to be prepared and discussion to occur regarding strengthening the education of pharmacy students in adverse reaction monitoring. Your executive director also participated in a survey by Health Canada Infoway on the use of health informatics and electronic health records and the degree of education and training in eLearning technology in Faculties of Pharmacy. AFPC recently collaborated with CSHP, CPhA and NAPRA to nominate pharmacy candidates to the Board of the

Marleau of the University of Montreal represents a large step towards making the AFPC web site the portal for all academic pharmacy information in Canada.

PEP (Pharmacy Experiential Programs) Canada is continuing to organize and to build on their recently approved strategic plan. Under the leadership of Harriet Davies (Dalhousie) and Annie Lee (Toronto) you can soon learn more about this organization and its activities through PEP web pages that can be accessed on the AFPC web site.

AFPC has accepted a fairly large task from the Deans of Pharmacy of Canada to work on creating methods and tools for evaluating programs in pharmacy faculties. Given that some elements of program evaluation are becoming an issue for accreditation the Deans are looking towards developing reliable but straightforward approaches to evaluation that will fulfill the needs of all the Faculties. Ingrid Price (UBC) and Sharon Mitchell (Alberta) are heading up this two-year project but should have progress to report by the end of this year.

Canadian Patient Safety Institute. Arrangements have been made through AFPC for each of the Faculties of Pharmacy of Canada to receive complimentary copies of the new Pharmacists Pharmacopeia from USP. The US schools of pharmacy had recently received this offer from USP and it has now been extended to the faculties in Canada.

The Association of Deans of Pharmacy of Canada will be holding their annual meeting, October 14 – 16 in Niagara on the Lake in Ontario. David Hill, the new executive director of CCAPP will be meeting with the Deans as will John Pugsley of PEBC.

AFPC Conference 2007: The program for the joint conference with CSPS in Montreal is nearing completion and details will be posted on the web site once they are available. The meeting will be held in the Fairmont Queen Elizabeth Hotel on May 31-June 2, 2007. Make plans to attend the AFPC meeting and then join CPhA in Ottawa for the Centennial Conference June 2-5.

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**

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CANADA'S RESEARCH BASED PHARMACEUTICAL COMPANIES

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UNIVERSITY OF TORONTO INTERNATIONAL PHARMACY GRADUATE PROGRAM

WYETH CONSUMER HEALTH CARE INC.

Frank Abbott
Executive Director

Canadian Council for Accreditation of Pharmacy Programs

**Dr. David Hill Appointed Executive Director
of the Canadian Council for Accreditation of Pharmacy Programs**

President Dennis Gorecki is pleased to announce the appointment of Dr. David Hill as the Executive Director of the Canadian Council for Accreditation of Pharmacy Programs (CCAPP) effective August 1, 2006. With Dr. Hill's appointment the CCAPP office will be relocated from Saskatoon to Vancouver, British Columbia.

Dr. Hill has had extensive experience with CCAPP as President in 2001 and also as the Associate Executive Director in 2002. During the past four years, Dr. Hill has been a member of the evaluation teams for most of the accreditation site visits at the faculties of pharmacy in Canadian universities.

He moves from his current position as Associate Dean for Administration and Clinical Affairs in the School of Pharmacy at the University of Colorado. Prior to that appointment he was Associate Dean for Professional Programs at the University of British Columbia's Faculty of Pharmaceutical Sciences from 1993 to 2002.

Dr. Hill earned his baccalaureate degree in pharmacy and masters degrees in clinical pharmacy and business administration from the University of British Columbia. He also holds an Ed.D. in educational leadership from Brigham Young University. He is a Fellow of the Canadian Society of Hospital Pharmacists, a member of the College of Pharmacists of BC and a registrant of the Pharmacy Examining Board of Canada.

David has been active in many academic, professional and voluntary organizations including terms as President of the Pharmacy Examining Board of Canada, the Association of Faculties of Pharmacy of Canada and the BC Pharmacy Association. He has served on the governance committees of the BC Transplant Society, BC Lung Association, Canadian Hospital Pharmacy Residency Board and the Canadian Society of Hospital Pharmacists Board of Fellows. Dr. Hill has received numerous awards and recognitions for distinguished service to various academic and professional pharmacy organizations.

Editor's Note: Dr. David Hill assumed his position on August 1, 2006. Current contact information is:

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Executive Director
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fax: (604) 676-4231
email: dhilccapp@shaw.ca
website: www.ccapp-accredit.ca





Invitation to AFPC Members

APFC members are invited to order a complimentary subscription to the *Canadian Pharmacists Journal (CPJ)*, Canada's only peer-reviewed forum for innovative pharmacy practice.

If you're not already receiving *CPJ*, please send your subscription request to:

Dana Graham, *CPJ* Editorial and Production Coordinator
dgraham@pharmacists.ca
Tel 1-800-917-9489 ext 224

Please include your name, title, complete mailing address and E-mail address and indicate "AFPC subscription request" in the subject line.

**The University of Manitoba
Faculty of Pharmacy
Associate Professor, Tenure-track appointment in Medicinal Chemistry**

The University of Manitoba, Faculty of Pharmacy invites applications for a full-time tenure-track faculty position at the level of Associate Professor to coordinate future development of medicinal chemistry in the undergraduate program. The appointment will commence in the 2006/2007 academic year. Applicants must possess a doctoral degree or its equivalent. Previous teaching experience is a requirement for this position. Preference will be given to candidates who can demonstrate integration of medicinal chemistry into a professional Pharmacy program. The applicant should be well-versed in Pharmacy curricula, and interested in innovative teaching and other educational programs.

Major responsibilities for this position will include teaching undergraduate medicinal chemistry, graduate teaching and supervision and building in-depth collaborations in teaching and research with other University units in the area of medicinal chemistry. The successful candidate will be expected to develop an independent area of scholarship and/or research with a commitment to discovery and application of knowledge. Significant opportunities exist for collaborative research at both Campuses of the University of Manitoba. The successful candidate should be familiar with pharmacy interests and issues, and willing to provide service to the faculty, the university and to professional associations and organizations. Commitment to collegiality and proven ability to work with a diverse population of faculty, staff, and students is a requirement.

The Faculty of Pharmacy is currently located at the Fort Garry Campus of the University of Manitoba ([website: http://www.umanitoba.ca/faculties/pharmacy](http://www.umanitoba.ca/faculties/pharmacy).) The Faculty will be relocating to a new facility on the Bannatyne campus. The baccalaureate program is five years (1+4) leading to a B.Sc. (Pharmacy) degree. Approximately 200 students are enrolled at the Faculty of Pharmacy along with 20 graduate students.

The University of Manitoba encourages applications from qualified women and men, including members of visible minorities, Aboriginal peoples, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Salary will be dependent upon qualifications and experience. Closing date for applications is September 15, 2006. Application review will begin September 22, 2006 and will continue until the position is filled. Applicants must apply in writing by sending a letter of application, curriculum vitae, brief outline of research and teaching interests, names of three referees with contact information, and reference to position number 04659 to the address below. Please note that only complete applications will be considered.

Dr. Brian Hasinoff, Professor & Chair, Search Committee
Faculty of Pharmacy, University of Manitoba, Winnipeg, Manitoba, Canada R3T 2N2

This advertisement can also be found at the following website: <http://www.umanitoba.ca/employment/academic>
Application materials, including letters of reference, will be handled in accordance with the *Freedom of Information and Protection of Privacy Act (Manitoba)*.

**Assistant or Associate Professor
Clinical Scientist within Division of Pharmacy Practice
Leslie Dan Faculty of Pharmacy
University of Toronto**

The Leslie Dan Faculty of Pharmacy at the University of Toronto invites applications for a tenure-stream position as a Clinical Scientist within the Pharmacy Practice Division at the level of Assistant or Associate Professor.

The clinical focus of the candidate's work may include oncology, neurosciences, cardiology, aging and ambulatory care, primary care, or medication reconciliation; however, other qualified individuals are encouraged to apply. We are especially interested in individuals whose expertise bridges the basic sciences and clinical practice. The research program should focus on medication use and the relationship to patient outcomes

The successful candidate will be expected to develop an independent clinical research program and teach at the graduate and undergraduate levels. The candidate must hold a Pharm.D. with relevant research experience or a Ph.D. with post-doctoral experience.

Interested individuals should forward a covering letter of application, a curriculum vitae, a two-page statement of research plans, and arrange to have three letters of reference sent to: p hmsearch@utoronto.ca. Alternatively, the application may be sent to Search Committee, Leslie Dan Faculty of Pharmacy, 144 College Street, Toronto, ON M5S 3M2. We will begin to review applications on October 2, 2006. www.pharmacy.utoronto.ca

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

IMPART

IMPART (Initiative for Medication Management, Policy Analysis, Research and Training) has just marked its fifth year as an evidence-based research unit at the College of Pharmacy. Established in 2001, it has built on its predecessor, the Pharmacoeconomics and Pharmacoepidemiology Research Unit established in 1993. IMPART's vision is to be a centre of excellence for evidence-based research that informs decision-makers on appropriate choices about the evaluation, funding, prescribing, and utilization management of pharmaceutical products and programs. Neil MacKinnon and Ingrid Sketris along with other College of Pharmacy and associated researchers including: Anne Marie Whelan, David Gardner, Hoan Linh Banh, Susan Bowles, Charmaine Cooke, Steve Graham, Dianne Breau, Andrea Kent, Ethel Langille Ingram, and Nicole

Hartnell conduct research and provide education related to medication management and policy. For further information on research activities, educational opportunities or seminars check the IMPART website www.impart.pharmacy.dal.ca.

The College of Pharmacy also hosts a four-month drug use management and policy program funded by CHSRF/CIHR/NSHRF. So far 27 residents have participated to examine issues related to drug use management and policy along with their decision-maker preceptors and faculty advisors. Residents have been affiliated with university graduate programs including health services administration, law, economics, business, health informatics, community health and epidemiology and industrial psychology.

Naming of J. Gordon Duff Pharmacy Museum

On May 9, 2006, the College of Pharmacy Museum was re-named the J. Gordon Duff Pharmacy Museum in honor of Dr. J. Gordon Duff, Professor Emeritus and former Director of the College of Pharmacy (1961-1972). Preserving pharmacy history has always been a keen interest of Dr. Duff and he has spent many hours building a collection of artifacts retrieved from drug store basements and storerooms located throughout the Maritimes. As well, over the years many donors have contributed items to the collection. The museum was established in 1968 when the College relocated to the George A. Burbidge Pharmacy Building. The collection features a great variety of items including show globes (1860's), lettered glass bottles (mid 1800's), old proprietary medicines which bear labels giving exaggerated claims, a hand-written formulary of recipes, percolators, retorts, cachet machines and various suppository moulds and much, much more. These items are displayed on authentic wooden counters and shelving gathered from various drug stores. Currently there are almost 3700 pharmacy artifacts housed within the museum. With the help of a grant from the Dalhousie Pharmacy Endowment Fund, and two eager pharmacy students, the entire collection has been catalogued and entered into a database. We are fortunate to have this museum of pharmacy-related artifacts located within our College of Pharmacy where our students can get a glimpse of where pharmacy has come as a discipline and a science. We are also proud that this museum has been named for our remarkable friend and colleague, Gordon Duff.

New Researchers at the College of Pharmacy

Since the last time Dalhousie was spotlighted in this AFPC newsletter two new researchers have joined us. By way of introduction here are brief biographies for Dr. Remigius Agu and Dr. Kerry Goralski.

Remigius (Remi) Agu earned his B. Pharm. degree in 1991 and his M. Pharm. degree in pharmacology and toxicology in 1997, both from the University of Nigeria, Nsukka, Enugu State, Nigeria. He traveled to Belgium for further postgraduate study and earned his M. Pharm. degree in pharmaceuticals in 1999 and his Ph.D. in biopharmaceutics in 2002, both from Katholieke Universiteit, Leuven. From March 2003 until November 2004, he was a postdoctoral fellow at the University of Kentucky, Lexington, Kentucky. In November 2004 he joined us as an Assistant Professor of Pharmaceutics and Biopharmaceutics. Remi is interested in nasal and inhalation drug delivery and exploring the possibilities of various drugs being delivered via these routes. He has written a book titled *Biopharmaceutical Relevance of Human Nasal Primacy Cell Culture Systems* and currently is researching administration of anti-ischemic drugs via the nasal route. Other research areas include biopharmaceutical applications of tissue culture models for drug delivery studies, systemic delivery of cannabinoids through the nasal route and the application of heterodyne laser technology and motor proteins to develop new methods for screening the effects of drugs and excipients on mucociliary transport system *in vitro*. Remi's teaching responsibilities are mainly to the second year students in the area of pharmaceutics.

Kerry Goralski joined the College as Assistant Professor of Pharmacokinetics in January 2006. Previously he held a postdoctoral fellowship with the Departments of Pediatrics and Pharmacology at Dalhousie University from October 2003 to December 2005. Before that, he held a postdoctoral fellowship with Dalhousie's Department of Pharmacology from September 1999 to September 2003. Kerry earned his BSc degree with honors in biochemistry/microbiology from the University of Manitoba in 1995 and subsequently his PhD in pharmacology and therapeutics in 1999 also from the University of Manitoba. Kerry's research interests lie in a few areas. He is interested in how disease states, age and gender affect drug metabolism and drug transport proteins and how altering these processes contribute to altered drug elimination and/or toxicity in humans. He also has some interest in an area of research that examines how hormones (adipokines) released from adipose tissue can contribute to inflammatory, metabolic, and vascular diseases in obese persons. Kerry teaches pharmacokinetics to the second year students.

Faculty Member Receives International Award

This spring, Dr. Ingrid Sketris, a faculty member of the College of Pharmacy for 26 years, was the recipient of a prestigious international award for her research. She was presented with the Anne and Neil McArthur Research Award by the St. Joseph's Healthcare Foundation and

McMaster University at a ceremony in Hamilton, Ontario. This award is presented annually to an outstanding researcher in the health sciences whose work has been recognized internationally. Ingrid is the first woman and first pharmacist to receive this award. The purpose of this award is to encourage researchers in Canada and throughout the world to pursue health research. Ingrid's research is in the area of medication management following drug use at all levels of the health care system. She has worked extensively with the Nova Scotia Department of Health and various hospitals within the Maritimes and Canada. She believes that researching the effect of medication policies and practices can lead to both improved health care for citizens and value for money for government without decreasing quality of care.

Ingrid holds a CHSRF/CIHR/NSHRF Chair, "Developing and Applying Drug Use Management Strategies and Policies for Nova Scotia's Provincial Drug Programs", which has recently been renewed for the remaining six years of the program term with funding in the amount of \$1 million. There are 12 CHSRF Chairs across Canada with this Chair being the only one in Atlantic Canada. (http://www.chsrf.ca/cadre/chair_awards_lca_e.php).

Also of note, Ingrid served as President of AFPC during 1999-2000.

FACULTY NEWS

DALHOUSIE UNIVERSITY

Individual Faculty News

Dr. Neil MacKinnon has been appointed to the Board of Fellows of the Canadian Society of Hospital Pharmacists.

Heather Lummis successfully defended her MSc thesis on June 20, 2006. Thesis title: Effect of Medication Persistence on One-Year Outcomes in Stroke Survivors.

Jordan Zacny successfully defended his MSc thesis on August 17, 2006. Thesis title: Use of Proton Pump Inhibitors and Histamine H₂-Receptor Antagonists in Nova Scotia Seniors from 1998 to 2002 and the Role of Intermittent and On-Demand Therapy in GERD.

The August 2006 edition of *Research Spotlight*, a publication of the Canadian Institutes of Health Research Institute of Health Services and Policy Research features an interview with Kristal Connell, Executive Director of the Nova Scotia Health Research Foundation and Ingrid Sketris, Professor, College of Pharmacy about how partnerships in health services research are making a difference to pharmaceutical management in Nova Scotia. The featured interview can be accessed at: http://www.cihr-irsc.gc.ca/e/documents/PharmaResearchSpotlight_e.pdf

Dr. Pollen Yeung has been appointed as vice chair of the Cardiovascular and Respiratory Section of the American Society of Clinical Pharmacology and Therapeutics beginning Sept 2006.

Opportunities

The second annual Atlantic Pharmacy Advancement Conference will be held in Halifax, November 16-18. This conference is organized by pharmacy students at Memorial and Dalhousie Universities and promotes greater research and pharmaceutical development in the Atlantic region.

New Grants/Grant Renewals

Community Research Alliance Grant, through the Capacity Building Program of the Nova Scotia Health Research Foundation: Whelan AM, Langille D, Loppie C, Wedlake S, Aylward S, Phillips R, Neumann B, Tobin L. Accessibility and Use of Emergency Contraception Pills in Nova Scotia.

Development/Innovative Grant, through the Capacity Building Program of the Nova Scotia Health Research Foundation: Agu R, Cowley E, Renton K. Identification and Characterization of Novel Drug Transporters in Human Nasal Epithelium for Drug Targeting.

Canadian Institutes of Health Research Resource Grant, cosponsored by the Dalhousie Medical Research

Foundation: Kisely S, Langille D, Burge F, MacDonald N, Sketris I, Dodds L, Kephart G, Grunfeld E, Tomblin Murphy G. Update of a Multi-User Administrative Database for Health Services Research.

Canadian Institutes of Health Research: Warner G, Gubitz G, Archibald G, Jones S, Lindsay M, Lyons R, MacNeil B, Putnam W, Sketris I (collaborator). Applying Knowledge Translation Theory to Transfer Stroke Prevention and Treatment Knowledge to Rural Health Professionals.

The Research Collaboration with the National Prescribing Service "Understanding and Improving Prescribing Practice". PIs – Susan Tett, W Hall, C Jackson, D Hegney with coinvestigators from University of Queensland: N Cottrell, J Doust, L Emmerton, S Hollingworth, C Kirkpatrick, T McGuire, L Nissen, L Pulver, L Robinson and national and international collaborators: T Wade, D Weir, A McLachlan, Ingrid Sketris, C Cutts. This was a competitive tender from a field of eleven bids across Australia.

UNIVERSITY OF TORONTO

Faculty Awards

- ✍ Micheline Piquette-Miller received the Leon I. Goldberg Young Investigator Award from the American Society for Clinical Pharmacology and Therapeutics.
- ✍ Christine Allen was awarded the Canadian Society for Pharmaceutical Sciences/GlaxoSmithKline Early Career Award and the Association of Faculties of Pharmacy of Canada/Astra Zeneca Young Investigator Award.
- ✍ Paul Grootendorst was awarded the John Vanderkamp Prize for the best paper published in *Canadian Public Policy* in 2005 for "National Catastrophic Drug Insurance Revisited." Grootendorst shares the award with co-author Michael Veall, a professor of economics, from McMaster University.
- ✍ Thomas Einarson has been granted the status of fellow of the International Society for Pharmacoepidemiology and has been appointed to the editorial board of the *American Journal of Health-System Pharmacy* for a three-year term beginning on January 1, 2007.

- ✍ Zubin Austin won the American Association of Colleges of Pharmacy Rufus A. Lyman Award for the article, "Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning." Austin shares the award with co-author Wendy C. Duncan-Hewitt, associate dean of education at Auburn University Harrison School of Pharmacy.
- ✍ Anna Taddio was awarded the Young Investigator Award in Pediatric Pain from the International Association for the Study of Pain.

Student Awards

- ✍ Kristen Shaw, pharmacy class of 0T6, has been awarded the 2006 George A. Burbridge Award from the Canadian Pharmacists Association. The award is presented annually to the individual with the highest academic standing on the qualifying Pharmacy Examining Board of Canada examination.
- ✍ BScPhm valedictorian for the class of 0T6 Phu Phong Lam received the Ontario Pharmacists' Association 2006 Student of Distinction Award.

PhD students Jubo Liu and Justin Grant were recognized at the Canadian Society of Pharmaceutical Sciences (CSPS) symposium. Liu was awarded the Biovail Contract Research Award of Excellence for best poster in the area of pharmacokinetics. Grant received the Gattefossé Research Award for best poster presentation of

research in lipid chemistry and lipids in drug delivery.

Canada Research Chair

Guri Giaever was named the Canada Research Chair in Chemical Genetics.

NEW HUB FOR PHARMACY EDUCATION AND RESEARCH OPENS AT U OF T

The new Leslie L. Dan Pharmacy Building at the University of Toronto, officially opened its doors on Sept. 6, 2006, and embodies the university's commitment to providing a first-class education to students, said U of T president David Naylor.

"This outstanding facility provides a state-of-the-art environment that will enhance the student experience both inside and outside of the classroom. It will also boost morale for our current faculty and staff, and facilitate recruitment of the best and brightest faculty and students in future."

Located at the southeast corner of the University of Toronto, the Leslie L. Dan Pharmacy Building is a gateway to the campus, situated in the heart of the health sciences district, close to medicine and nursing and the Terrence Donnelly Centre for Cellular and Biomolecular Research.

The 15,600 square metre (167,000 square feet) structure is home to more than 1,300 students, faculty and staff.

The increase in infrastructure has allowed the faculty to double its student enrolment in the undergraduate pharmacy program and significantly increase its number of graduate students.

The \$75-million project was funded by the Ontario government, the university's infrastructure investment fund and the support of private donors. Pharmacy alumnus and founder of generic pharmaceutical manufacturer Novopharm, Leslie Dan donated more than \$13 million to the project.

"The new pharmacy facility at the University of Toronto will ensure Ontario remains a leader in the education of pharmacists and pharmaceutical scientists, said David Caplan, minister of public infrastructure renewal. "The Ontario government is extremely proud of its partnership with the University of Toronto and our investment in the Leslie L. Dan Pharmacy Building."

The Leslie L. Dan Pharmacy Building is the first Canadian commission for renowned British architects Foster and Partners, designers of the Reichstag renovation in Berlin and the Great Court of the British Museum in London.



Photographer: Gokche Erkan



UNIVERSITÉ DE MONTRÉAL

Grants

It seems this year will be a very busy research year. Our professors, researchers and students have renewed their titles (table 1) and received substantial funding (table 1, 2 and following text).

Table 1: Position renewal within the FRSQ

Professor/Researcher/Student	Title
Lucie Blais	chercheur-boursier junior 2
Céline Fiset	chercheur-boursier senior
Lyne Lalonde	chercheur-boursier junior 2
Pierre Moreau	chercheur-boursier senior
Sylvie Perreault	chercheur-boursier senior
Diala harb	Stagiaire de recherche
Geneviève Gaucher	Stagiaire de recherche
Pierre Simard	Stagiaire de recherche

FRSQ : Fonds de la Recherche en Santé du Québec

Table 2 : CIHR grants received in 2006

Primary investigator(s) Institution Title	Co-researcher(s), associate(s)	Average Annual Funding	Durée
LACHAPELLE, Pierre ONG, Huy L'Institut de recherche du Centre universitaire de santé McGill Mechanisms in genesis of age- related macular degeneration: Potential role for CD36	CHEMTOB, Sylvain	\$134,940	3 An(s)
BLAIS, Lucie Université de Montréal Impact of discontinuation of inhaled corticosteroids use during pregnancy on the health of the asthmatic mother, her baby and costs of health care services	BEAUCHESNE, Marie- France M / BÉRARD, Anick / DUCHARME, Francine M / FERREIRA, Ema / FIROOZI, Faranak / LEMIERE, Catherine / PERREAULT, Sylvie S	\$74,613	3 An(s)
BLANCHET, Pierre J LEVESQUE, Daniel Université de Montréal Pharmacological and molecular characterization of tardive oral and limb dyskinesias in antipsychotic drug-exposed monkeys	CYR, Michel	\$89,337	4 An(s)
LEROUX, Jean-Christophe Université de Montréal Development of a pH-sensitive polymer-based liposome formulation for the treatment of acute myeloid leukemia		\$73,472	3 An(s)
MOREAU, Pierre Université de Montréal		\$111,833	5 An(s)

Mechanisms of mineral loss in medical elastocalcinosis (medial arterial calcification): A therapeutic opportunity for isolated systolic hypertension			
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CIHR: Canadian Institutes of Health Research
Professors of UdeM are in bold type.

Professor Huy Ong received an AEterna Zentaris grant for 1.2 million dollars for a preclinical research project on ghréline, appetite, and eventual development of new pharmacological treatments in obesity.

Professor Chantal Pharand received a grant of 13 700\$/year for 3 years from the *Fondation des maladies du coeur* for the project titled “Determinants of subendocardial ischemia at normal heart rate in a porcine model”.

Awards

Professor Marie-France Beauchesne received the Janssen Ortho – APES 2005 Award for excellence in specialized practice. Her practice is in respiratory care.

Mme Lysanne Marcel, graduating student form the Bachelor’s in pharmacy program, has been awarded the prestigious Governor General’s Academic Medal for her outstanding academic achievements.

Mme Judith Brouillette, doctoral student under the direction of Professor Céline Fiset received the *Grands Montréalais* award for best doctoral thesis in the health sector.

Mme Kim Bujold, doctoral student under the direction of Professors Huy Ong and Sylvie Marleau, recipient of the Robert Dugal Rx&D Foundation research grant, received the Canadian Pharmacy Foundation first prize for best poster presentation.

Professor Jacques Turgeon, Vice-Dean of Research of l’UdeM, received the *Pharmaciens de coeur et d’action 8^e edition* award for his achievements as a pharmacist in research. Dr. Turgeon focuses his research on pharmacogenetics of drug metabolism.

M. François Gauthier, now a pharmacy resident in the M.Sc. program in pharmacy practice, received the

Pharmaciens de coeur et d’action 8^e edition award for his achievements as a pharmacy student mostly for his excellence in clinical practice, and his extracurricular activities dedicated to community improvements.

Program Development

The entry level Pharm.D. Program will be offered for the first time in September 2007. Everybody is currently working hard to make sure that this innovative program, in terms of pedagogical approach, will be a successful one.

Faculty members are also finalizing the outline of a new program in biopharmaceutical sciences. After hopefully getting the governmental approval in 2007, we are planning to offer the program starting in September 2008, at the earliest.

Other News

We are pleased to announce the arrival of Assistant Professor Simon DeDenus who will focus his research in clinical cardiology and Associate Professor Daniel Levesque who will focus his activities in neuropharmacology.

We are also pleased to announce the nomination of Professor Louise Mallet to Full Clinical Professor, and Professor Diane Lamarre to Associate Clinical Professor.

UNIVERSITY OF SASKATCHEWAN

General College News

We are pleased to report that the Province has created a special program to fund clinical experiences for Pharmacy and Nutrition students. The College has been lobbying the province for several years to support our practitioner partners in the health regions, who deliver the key structured practice/internship components of our undergraduate programs. An initial commitment of \$218,000 has been made, and we are hopeful that the balance of the required funding will be forthcoming in the near future.

Our College is partnering with the College of Medicine and the Saskatoon Health Region to establish an Interdisciplinary Clinical Pharmacology Teaching Program, with a team of faculty, to deliver high quality, innovative, interprofessional education to Pharmacy, Medical and Dentistry students. It is proposed that new faculty be recruited in the areas of Endocrinology, Neurology and Pediatrics.

A generous gift from SaskTel, together with previous support from GSK, the Province, the University and the College has enabled the College to move closer to its goal of establishing an endowed Chair in Rational Drug Design. The 2006 Golden Suppository Golf Classic raised \$31,400, through generous contributions and

sponsorship from industry representatives and practitioners, to support College research initiatives.

Individual Faculty News

Dr. Marianna Foldvari, previously Associate Dean of Research and Graduate Affairs, has left the University to take a position with the new School of Pharmacy at the University of Waterloo. Dr. Gord McKay, Head of the Division of Pharmacy will serve as Acting Associate Dean for coming year.

Faculty Research Grants or Contracts

Adil Nazarali, Natural Sciences and engineering Research Council of Canada (NSERC) Discovery Grants Program entitled, "Cloning/characterization of Novel Downstream Targets and Expression/functional Analysis of Hoxa2", total value \$132,800.

Shannan Neubauer, Saskatchewan Health Contract entitled, "Appropriate Use/Lipid Management Research Program", total value \$600,000.

Roy Dobson, University of Saskatchewan Patient-Centred Interprofessional Team Experiences Grant entitled, "Using Quality Improvement Framework to Facilitate IP Collaboration in Undergraduate Health Science Education", total value \$19,700.

Student News

Graduate Studies and Research Programs

This September, the College welcomed ten new graduate students – from Canada, Brazil, China, India and Iran. Enrolment in the Pharmacy graduate program totals 16 MSc, 8 PhD and 3 Interdisciplinary students supervised by Pharmacy faculty; there are 15 MSc in Nutrition students and 4 in the PhD program, for a total of 46 students. Faculty continue to actively apply for research funding from national granting agencies and other organizations, and are working on planning for the research facilities in the new Academic Health Sciences Centre, to which we will move in 2010-11.

Recent Defences

Ildiko Badea, Ph.D. student (Pharmacy), "Gemini Cationic Surfactant-based Delivery Systems for Non-invasive Cutaneous Gene Therapy" - Supervisor Dr. Marianna Foldvari

Farah Hosseinian, Ph.D. student (Pharmacy), "Antioxidant Properties of Flaxseed Lignans using In Vitro Model Systems" - Supervisor Dr. Ed Krol

Recent Awards to Current Pharmacy Graduate Students

Ildiko Badea, Ph.D. student (Pharmacy), Nomination for NSERC Innovation Challenge Award from the University of Saskatchewan (the University is allowed only two such nominations; Ildiko will receive \$500 in recognition of being chosen as a nominee and was recognized at the Celebrate Success Gala Dinner on May 9, 2006) – Supervisor Dr. Marianna Foldvari

Mukasa Bagonluri, Ph.D. student (Pharmacy), University Graduate Scholarship – Supervisor Dr. Marianna Foldvari

Charity Evans, M.Sc. student (Pharmacy), CIHR Fellowship. Charity was also awarded Merck Frosst Fellowship Award but declined to accept the CIHR – Supervisor Dr. David Blackburn

Darcy Lamb, M.Sc. student (Pharmacy), Rx&D/CIHR Graduate Research Scholarship in Pharmacy – Supervisor Dr. David Blackburn

Tara Neuls, Ph.D. student (Pharmacy), NSERC Canada Graduate Scholarship. Tara recently was awarded CGSR Dean's Scholarship but declined to accept the NSERC scholarship – Supervisor Dr. Adil Nazarali

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

New Appointments

Dr. Jon Weber PhD (Pharmacology) will be joining the faculty in January 2007 as an Assistant Professor.

Ms. Lisa Bishop joined the faculty in September 2006 as Assistant Professor (for Pharmacy Skills) and Ms. Terri Mitchelmore joined as Lecturer.

Individual Faculty News

Dr. Mohsen Daneshtalab gave three research lectures at the Fukuyama University, Chiba University, and Kaken Pharmaceuticals during his trip to Japan to attend and present a research poster at the 25-IUPAC conference in Kyoto, July 21 - 28, 2006. The lectures were well received and Dr. Daneshtalab received appreciation e-mails from the sponsors in respect to the influence of his lecture on the future research directions in their labs.

Dr. Daneshtalab's group has recently discovered a structurally novel class of antifungal agents with impressive activity against human invasive fungal pathogens. This class has a unique structural feature completely different from those reported in current literatures. A U.S. Provisional patent was registered on July 18, 2006 and a presentation was made at the 25-IUPAC conference in Kyoto, Japan on July 23, 2006.

Dr. Mohsen Daneshtalab has published a book Chapter entitled "Novel Synthetic Antibacterial Agents" in January 2006. This is electronically available via the website of Springer-Verlag publishers. This chapter covers pages 153-206 of the book entitled "Novel Heterocyclic Anticancers and Antibiotics," which is the latest edition of the series entitled "Topics in Heterocyclic Chemistry."

The most recent manuscript from Dr. Daneshtalab's group is entitled "Novel Peptidomimetic Analogues of

Echinocandins," published in "Heterocycles", Volume 68 (4): 721-732 (2006). Another manuscript entitled "Quantification of Sproether Isomers and Herniarin of Different Parts of *Matricaria matricarioides* and Flowers of *Chamaemelum nobile*" is in press in "Phytochemical Analysis" Volume 17 (2006).

Grants

Dr. Daneshtalab has been selected as one of the 10 Principal Investigators of the NARIS (North Atlantic Resource for Molecular, Cellular, Integrative and Network Sciences). A CFI application of over \$ 26,000,000.00 is in the submission process. This CFI application is a proposal for advance infrastructure for research amidst unique human populations and cold marine ecosystem.

Dr. Daneshtalab's recent research work received a \$10,000 grant to cover the costs of US provisional patent (which has already been registered) for a new drug entity.

The Community Pharmaceutical Care Research Team (Stephanie Young, Debbie Kelly, Ann Colbourne, John Hawboldt, Leslie Phillips, Roy West and Jerry Young) was successful in receiving a total of \$200,000 in funding from Health Canada (\$185,000) and Memorial University Director of Research's Office (\$15,000). The Population Therapeutics Research Group has also agreed to partner with the Community Pharmaceutical Care Research Team to assist in providing a training program to the community pharmacists partaking in the study.

Awards

John Hawboldt received the Teacher of the Year Award. The award was selected by the graduating class.

UNIVERSITY OF MANITOBA

Pharmacy digs into Bannatyne Thursday, July 13, 2006

The University of Manitoba has broken ground on a new home for the Faculty of Pharmacy. The Apotex Centre is set to go up on McDermot Avenue at the Bannatyne campus – cementing the area as the health sciences learning centre of the province.

Check it out – Pharmacy Webcam at:

<http://umanitoba.ca/bisoncam/camera1.php>



New Appointments

Joanna Ayotte joined the Faculty of Pharmacy in June 2006 as a part-time Instructor for Pharmacy Skills Lab 2. She completed her Bachelor of Science in Pharmacy degree in 1998 from the University of Manitoba.

Nancy Kleiman joined the Faculty of Pharmacy in June, 2006 as a part-time Pharmacy Practice Liaison working with the Structured Practical Experiential Program (SPEP). Nancy graduated from the University of Saskatchewan in 1979.

Pharmacy Class of 2006 is Tops in Canada!

Being one of the smaller faculties of pharmacy in Canada did not stop the class of 2006 from ranking #1 in the 2006 Pharmacy Examining Board of Canada.

The University of Manitoba ranked 1st (tied with one other) out of 7 schools with an overall pass rate of 100%. The cohort included all 49 students who graduated and wrote the exam in May/June. The students ranked 1st (tied with one other) with 100% pass rate; and ranked 2nd on average score for Part I (written, MCQ). The students ranked 1st (tied with two others) with 100% pass rate; and ranked 4th on average score for Part II (practical, OSCE).

Individual Faculty News

Research Focus – Dr. Brian Hasinoff

During a recent visit to the University of Manitoba, Prime Ministerial Secretary of Health Stephen Fletcher announced that nineteen health research projects at the University of Manitoba received a total of \$8 million in new funding from the Canadian Institutes of Health Research (CIHR). Dr. Brian Hasinoff, who holds a Canadian Institute of Health Research Chair in Pharmacy and one of the recipients of this CIHR funding received special recognition, and was invited to deliver a short presentation describing his research studies “Molecular mechanisms of oxygen free radical damage and its prevention by antioxidants”.

Research Grants

Dr. Kozyrskyj: Katz L, Kozyrskyj AL, Sareen J, Cox B, Enns M. Antidepressant prescribing to children and adolescents in Manitoba: Risk and the impact of Health Canada Warnings. Health Sciences Research Foundation, July 2006-June 2007, \$34,815



Turner D, Singh H, Mahmud S, Kozyrskyj AL, Bernstein C. Long term use of statins and colorectal cancer risk: A Population-Based Cohort Study. Cancer Care Manitoba and Thorlakson Foundation Fund, July 2006-June 2007, \$35,663

Student News

Graduate Students who have completed their degrees:

Yu Sun passed her M.Sc. Thesis and oral report. Title: Regulation of Rat Smad1 Gene Expression. Committee: Dr. Yuewen Gong, Advisor, Dr. Gerald Minuk, Dr. Mike Namaka

Yu Sun has commenced her Ph.D studies at UBC

Harris Iacovides passed his M.Sc. Thesis and oral report. Title: Optimal Empiric Therapy Against Clinical Isolates Of *Enterobacter Cloacae* In An In Vitro Pharmacodynamic Model. Committee: Dr. Sheryl Zelenitsky, Advisor, Dr. Godfrey Harding, Dr. Anita Kozyrskyj, Dr. Robert Ariano, Dr. Michelle Alfa

Ping Jiang passed her Ph.D. Thesis and oral report. Title: Analysis and Evaluation of Antioxidant Flavonoids in Buckwheat. Committee: Dr. Colin Briggs, Advisor, Dr. Frank Burczynski, Dr. Brian Hasinoff, Dr. Clayton Campbell, Professor Ivan Kreft.

Ping Jiang has a research and development position at Cangene, Winnipeg.

Graduate Student Candidacy Exams:

Maria Melanson (Advisor: Dr. Mike Namaka)

Graduate Student Awards:

Mutasem Rawas-Qalaji: AFPC/CFP Award for the Best National Poster "Epinephrine for the Treatment of Anaphylaxis: Do all Sublingual Epinephrine Tablet Formulations have the Same Bioavailability?" presented at the AFPC Annual Conference in Edmonton, AB in June 2006

Daryl Fediuk: University of Manitoba Graduate Fellowship

Mutasem Rawas-Qalaji: Manitoba Health Research Council

New Graduate Students:

Chen, Ting for M.Sc. (Advisor: Dr. Xiaochen Gu)

Jing, Hongjun for M.Sc. (Advisors: Drs. Silvia Alessi-Severini and Anita Kozyrskyj)

Undergraduate Summer Research Awards

Award	Name	Supervisor	Research Project Title
Merck-Frosst 2006 Summer Student Research Travel Award	Aneri Gupta	Dr. Michael Namaka	The Role of Superantigen Producing Staphylococcus aureus in the Etiology of Multiple Sclerosis

Rx&D Summer Research Studentships in Pharmacy	Deanna Klassen	Dr. Namaka	Effects of Fatigue and Cognition in Response to Immunomodulatory Treatments of MS
Rx&D Summer Research Studentships in Pharmacy	Meghann Klowak	Dr. Namaka	Staph Aureus Study
Rx&D Summer Research Studentships in Pharmacy	Congcong Xie	Dr. Gu	Toxicology of Insect Repellent DEET and Sunscreen Oxybenzone from Concurrent Topical Application

CIHR	Rosanne Regier	Dr. Alessi-Severini	Effectiveness of Antipsychotic Agents: Assessment of Adherence to Therapy in an Urban Outpatient Population
CIHR	Robert Hardy	Dr. Gu	Toxicology of Insect Repellent DEET and Sunscreen Oxybenzone from Concurrent Topical Application
Faculty Funded	Uday Deshmukh	Dr. Patel	Evaluation of Cardiovascular Risk Reduction Management in Diabetic Patients at an Out-Patient Adult Medical Clinic: Are we Missing the Mark?

Items of Interest

Dr. Mike Namaka was licenced as the first Clinical Assistant in Canada. Dr. Namaka's achievement was recognized by the media.

Award

Dr. Lavern Vercaigne from the Faculty of Pharmacy, University of Manitoba was presented the Bristol-Myers Squibb Award for Excellence in Teaching, 4th year at the Manitoba Pharmaceutical Association Annual Grad's Breakfast Class of 2006 on June 1, 2006.



CPHA REPORT



Dear Colleagues,

It has been a privilege and a pleasure to represent “pharmacists in academia” at the CPhA Board table over the past 4 years. However, I am also pleased to welcome Rita Caldwell to the Board as the elected representative for academia for the next 3 years. I will be continuing on the Board as a vice-president, so please feel free to contact either of us about CPhA and its activities. Although it is important to keep you informed on the activities of the Board, of equal importance is your feedback on CPhA’s activities and directions that you would like your Board Member to pursue on your behalf. The following is a joint report - our contact information is included at the bottom. We look forward to hearing from you.

CPhA’s 2005–2006 Board of Directors held its final meeting in Edmonton in June at CPhA’s annual

conference, and the 2006–2007 Board met for the first time by conference call in August — winding up one Association year and beginning another.

Following the annual general meeting in June, Brian Stowe, Ottawa, Ontario, assumed the Presidency and Paul Kuras, Thornhill, Ontario, was elected President-Elect. Dwight Ball, Warren Meek and Linda Suveges were elected Vice Presidents, and George Murray became Past President. Rita Caldwell representing academia; Carey Lai, new practitioners; Kristen DeGirolamo, pharmacy students; and Jody Shkrobot, representing Alberta also joined the Board. The composition of the Board will be complete in October 2006, after the election of a second Board member from Ontario to backfill Paul Kuras’s position.

CPHA Strategic Plan

Many months of work were culminated with the approval by the Board of a [new strategic plan](#) in June to guide its activities to 2008. Four strategic directions were identified in the plan: advance the role of the pharmacist; represent and promote the profession; strengthen CPhA as the primary Canadian source for drug and therapeutic information; and ensure organization effectiveness. Also, CPhA’s new mission statement was approved: *CPhA is committed to advancing the profession of pharmacy so as to contribute to the health of Canadians.*

Blueprint for Action for the Pharmacy Profession

At both June and August 2006 meetings, the Board was provided updates on Blueprint activities. This collaborative initiative between CPhA and pharmacy stakeholders is working toward developing an overall

high-level plan to guide and coordinate action over the next 5 to 10 years to help move the profession forward to meet the health care needs of the future. As previously reported in December 2005, 25 pharmacy leaders met in Ottawa to outline an ideal vision of the future of pharmacy and the specific areas that need to be addressed. In June 2006, a group of 75 pharmacy leaders from a broad cross-section of pharmacy sectors met to further map out the plan. This draft plan will go for consultation and endorsement to pharmacy stakeholders and other health care professions and governments this fall and should be finalized in 2007. Further information is available in *Impact*, Summer 2006 edition, or you may contact your Board member. The success of the Blueprint will rely on Canadian pharmacists, not only pharmacy organizations, to buy into the action plan and work to achieve the necessary changes.

Pharmacy Human Resources Study

Work is continuing on the pharmacy human resources study, a 30-month study funded by Human Resources and Skills Development Canada (HRSDC) with goals to understand the pharmacy workforce in Canada, to identify human resources challenges nationally and those specific to particular provinces or territories, and to offer recommendations to ensure that the pharmacy workforce is ready for the future. CPhA is managing the project; other national and some provincial pharmacy organizations are participating on stakeholder and advisory committees and task forces.

Three main research priorities have emerged (how pharmacists will practise in the future; how to support the evolving role of the pharmacist through expanded roles for pharmacy technicians; and how to optimize the integration and credential assessment of international pharmacy graduates), and initial work has focused on the issues of pharmacy technicians and international pharmacy graduates.

Work on the HR study's website has begun, with the launch in October 2006.

e-Therapeutics

We urge you to learn more about e-Therapeutics. Our newest digital product has the potential to improve the quality of patient care. Please visit www.e-therapeutics.ca, call our customer services representatives at 1-800-917-9489 or see CPhA's website www.pharmacists.ca/e-therapeutics.

e-Therapeutics was launched in May 2006 and is now available for purchase at a cost of \$225 per year for a single user licence. e-Therapeutics+, which includes the full e-CPS application, costs \$389 per year per single user licence. CPhA membership provides a 25% discount. e-Therapeutics+ includes all functionality

Linda Suveges

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CPhA Board member, Academia

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Pharmacy Technicians

Discussion among pharmacy organizations involved with pharmacy technician issues such as educational outcomes, competencies, accreditation, regulation and certification has led to the agreement to form a National Task Force on Pharmacy Technicians to ensure a coordinated pan-Canadian approach to pharmacy technicians. Goals and terms of reference are being drafted by CPhA. Meanwhile, the HR study is convening a smaller technician working group to advise on and validate its technician research.

Financial Update

At the August 2006 meeting, the Board reviewed second-quarter financial results and the forecast to year end. Sales of our print publications continue to be strong. With the launch of e-CPS in 2004 and e-Therapeutics in May 2006, the Board is challenged with monitoring financial results and the risks related to the development and marketing of digital products. It is a new and complex area for the Board and staff that has led to many changes in procedures and staff structure at CPhA.

through one access point and the bonus of a handheld companion providing selected drug information.

CPhA Centennial

It is now only a few months before 2007, when CPhA will celebrate its Centennial with year-long festivities and events. To make our Centennial a success and to leave a legacy for the future, we have launched a fundraising campaign. Visit the Centennial website (www.pharmacists.ca/100years) for more information and to donate.

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