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## ***President's Message***

### **Responding to Canada's Pharmacist Shortage**

Undoubtedly one of the most difficult questions facing academic and professional pharmacy at the present time is the pharmacist workforce issue. Many community and hospital pharmacies in all regions of the country have experienced severe difficulty in obtaining staff when vacancies have opened up. While recruiting pharmacists to rural pharmacies has always been problematic, pharmacies in our major cities are now experiencing similar difficulties. Is there really a shortage of pharmacists in Canada? Some would argue that the perception may not be borne out upon close examination of the evidence. Efforts are being made, however, to clarify some of the factors associated with the current situation and to recommend a number of courses of action that could be acted upon by our national and provincial organizations. At this stage of our understanding of the problem, there are already calls for Canadian schools of

## **Affiliate Members**

AFPC is very fortunate to receive support for our programs from many members of the Canadian pharmaceutical industry. We especially wish to recognize the following industry Affiliate Members for the year 2000:

Apotex Inc  
Bayer Inc.  
Bristol-Myers Squibb  
GlaxoWellcome Canada Inc.  
Hoffmann-La Roche Ltd.  
Merck Frosst Canada Inc.  
Novopharm Ltd.  
Pharmaceutical Partners of Canada Inc.  
Pharma Science  
Warner Lambert Inc.  
Whitehall-Robins Inc.

pharmacy to expand enrollments to deal with the problem. What should the most appropriate response be for our universities?

In discussions of this issue with community and hospital pharmacy representatives, I am frequently asked what "formula" is used to determine the number of pharmacy students admitted each year. The question is asked with the expectation that the number of admissions should vary upward (or downward) with changes to some external factor such as provincial population, number of pharmacies, number of applicants, or number of retiring pharmacists, etc. Many are surprised when I inform them that there is no magical equation that fine tunes the number of pharmacy students admitted each year in order to match the number of job opportunities or absorption of graduates into the workforce.

The class sizes of all our schools have largely been determined by historical admission patterns and other fairly crude determinants: such as the classroom and laboratory space provided to pharmacy schools in buildings constructed decades ago, static budgets and faculty numbers in recent years, and desires to maintain certain standards of entering averages within the applicant pool.

However, we do know that, except for some brief periods of mild (usually regional) shortages and surpluses of pharmacists over the past 25 years, the stock of pharmacists produced by Canadian universities, supplemented by immigration of pharmacists from other countries, have maintained a reasonably dynamic balance of supply and demand in the workforce. The current situation is quite atypical as it emerged very quickly, it is apparently more serious than previous shortages, and all patient and pharmacist demographic factors are working against any quick resolution to the problem.

The most obvious causes of the present predicament are well known. The past 15 years

has seen steady growth in the Canadian population, with the baby boomer bulge now entering their higher prescription-consuming years. Many new community pharmacies have opened (with food stores and department stores adding pharmacies to their retail offerings) and longer hours of service are now common. The growth in the number of pharmacists required by hospital pharmacies has been impressive (even as the numbers of hospitals across the country have not changed) as pharmacy departments have added a large array of comprehensive services requiring the skills of pharmacists in direct patient care. Consulting practices, industry, government, drug plans, academic positions and other non-traditional practice areas have skimmed off graduates with training as pharmacists in greater numbers. The changed gender balance has likely contributed to the shortage as more women have entered the profession. Finally, recruitment of Canadian graduates and pharmacists by US pharmacies in recent years has added further heat to the issue (although the actual numbers who have moved south is purely speculative and probably much less than rumors would have us believe).



While our professional colleagues exert pressure in many directions looking for a quick fix to this dilemma, it is unlikely that simple solutions will be found. Supply and demand forces that affect the stock of pharmacists are complicated. What we have seen in the past 15 years have been huge changes in the practice environment, creating a large increase in the demand for pharmacists; during a time when one of the supply sources of pharmacists (i.e. Canadian schools of pharmacy) has either not had the ability nor inclination to adjust its output.

AFPC and the ADPC have been invited to join a task group convened by CPhA to submit a proposal for funding to Human Resources Development Canada to do a sector analysis study of the pharmacy workforce situation in Canada. This multiyear project, if funding is approved, will provide much more accurate data about specific supply demand factors in pharmacy and, perhaps offer some longer term

forecasting models for the workforce. Clearly, a single initiative will not resolve the present situation. Short and midterm solutions will inevitably require changes that will involve the regulatory side of practice, job roles of pharmacists, more efficient use of technology and support personnel, a re-evaluation of entry to practice barriers, and quite likely, pharmacy school class sizes. The ability of our schools to increase admissions significantly, however, is problematic. Many of our schools are currently at capacity for present facilities and faculty numbers. While most provinces are prepared to do whatever is required to respond to shortages of some health professionals (e.g. nurses and perhaps physicians), it is likely to be a difficult political sell to get similar attention from governments to expand pharmacy school admissions to deal with our shortage.

***David S. Hill, President***

## ***EXECUTIVE DIRECTOR'S CORNER***

On March 5 & 6<sup>th</sup>, the AFPC Executive and Council met in Ottawa to consider a number of important issues that are facing Canadian academic pharmacy as well as our association. It was a very successful meeting and I wish to briefly provide an overview of the items discussed.

### **AFPC Conference 2000 –**

This is scheduled for June 24 -26 in Saskatoon. The final arrangements for the conference were concluded and the conference program has now been distributed to each AFPC member. The proposed sites of future conferences are currently under discussion.

### **Awards Committee –**

Chairperson Sylvie Marleau reported that evaluation of the award applications were nearing completion. The AFPC award recipients are identified in this issue of Communications. The deadline for the main awards will be moved from December 31 to January 15 in future to avoid the holiday season. **THE DEADLINE**



### **AFPC History Book -**

Dr. Bernie Riedel and Dr. Ernie Stieb have completed the manuscript for the AFPC History Book. We extend our profound appreciation to Drs. Riedel and Stieb for the extensive time and talent they have put into the preparation of this historical document. AFPC is currently in the process of submitting the manuscript for printing (target date - June 2000). Hoffmann-La Roche is providing financial support for this publication.

### **AFPC Web Site -**

([www.pharmacy.ualberta.ca/afpc](http://www.pharmacy.ualberta.ca/afpc)) - Please consult our updated web site for the latest information on AFPC activities. The AFPC Conference 2000 program and the most recent

### **FOR APPLICATIONS FOR THE Rx & D FACULTY VISITATION AWARD FOR THIS YEAR IS MAY 31.**

Members interested in applying for the visitation to Canada's Research-Based Pharmaceutical companies are encouraged to submit their application to the AFPC office by May 31. Please check the Awards Book on the AFPC web site ([www.pharmacy.ualberta.ca/afpc](http://www.pharmacy.ualberta.ca/afpc)) for details on this award.

### **Education Committee –**

Chairman David Fielding indicated that the committee's current main focus is to assist members in considering new approaches to assessment (student appraisal) and evaluation (judgement of the quality of a program, course, etc.). The Education Committee will formulate a draft proposal regarding evaluation and assessment for presentation to the June Council meeting. Any members particularly interested in these issues are urged to contact David Fielding at UBC.

issues of *AFPC Communications* are available on the web site.

### **Pharmacy Human Resource Needs – Present and Future -**

President David Hill has addressed this issue in the President's Report.

### **Liaison with the Canadian Association of Pharmacy Students and Interns (CAPSI) -**

President David Hill reported on a meeting that representatives from AFPC attended with the CAPSI Council at their annual meeting. Specific items discussed included the entry-level Pharm. D. degree, pharmacy human resources issues and the Professional Development Weekend.

### **New AFPC appointments:**

AFPC representative to the Canadian Council on the Accreditation of Pharmacy Programs –  
Dr. Don Perrier, University of Toronto  
(continuing representative - Dr. Jean-Pierre Gregoire, current President of CCAPP)

AFPC representative to the Pharmacy Examining Board of Canada –  
Dr. Linda Suveges, University of Saskatchewan  
(continuing representative - Dr. Monique Richer, current President of PEBC)

AFPC representative to the United States Pharmacopoeia - Dr. Colin Briggs, University of Manitoba

### **External Meetings** - The Executive and Council met with representatives from the following organisations:

Canadian Pharmacists Association (Jeff Poston, Executive Director and Jim Mann, Senior Director, Professional Affairs);

Canada's Research-Based Pharmaceutical Companies (Murray Elston, President);

Canadian Institutes for Health Research (Dr. Ron Worton, member, Interim Governing Board);

Canadian Health Services Research Foundation (Pat Lemay and Linda Murphy, Manager of Research);

Canadian Drug Manufacturers Association (Julie Tam, David Windross and Alan Kyte) and  
The Canadian Society of Hospital Pharmacists (Donna Wheeler-Usher, President, Bill Leslie, Executive Director and Kelly Babcock, Past President).

A number of important issues were discussed with each group and the sessions provided excellent opportunities to clarify points of view and maintain continuing liaison.

**Dr. Karen Farris** - At the Mid-year meeting, Council also expressed special appreciation to Dr. Karen Farris, who will be leaving the University of Alberta to take a position at the University of Iowa.

We look forward to seeing everyone in Saskatoon for the **AFPC Conference - *Supporting Pharmacy Education of Tomorrow, Today!***

***Jim Blackburn, Executive Director***

## ***FACULTY SPOTLIGHTS***

### **UNIVERSITY OF MANITOBA**

#### **Interdisciplinary Projects at the University of Manitoba**

The Faculty of Pharmacy has been involved in numerous interdisciplinary teaching and research projects with other faculties and/or organizations. These are some of the current ones:

In collaboration with the Continuing Education Division (U of MB), Yellowquill College, and various First Nations groups and organizations, the Faculty of Pharmacy has developed a 3 credit hour course entitled: 'Medicines in Aboriginal Health'. The curriculum was designed to be 'transportable' such that it could be offered outside of the University. At the present time the course is only available to students enrolled in the First Nations Wellness Diploma. However, there is the potential for the course to be offered to other faculties within the university, such as social work and nursing.

Dr. Metge was asked to do a quantitative, phenomenological study to evaluate the effectiveness of an influenza prevention strategy in a remote Inuit community by the Northern Medical Unit of the University of Manitoba. The small Nunavut community of Sanikiluaq in the Belcher Islands of Hudsons Bay was subject to



Dr. Metge is working on two Health Transition Fund projects. One is with the Manitoba's Continuing Medical Education team on a project to describe "Benzodiazepine Use in the Elderly". The other is a joint project with Dalhousie and Saskatchewan to develop common measures of pharmaceutical use across provinces. Specifically, the "Outpatient Antibiotic Use in the Elderly Populations" will be examined.

Dr. Keith Simons, with his associates Dr. Estelle Simons and Dr. Xiaochen Gu have been provided with a new laboratory on the Pediatric Research Floor in the recently opened John Buhler Research Building, Bannatyne Campus. This laboratory has been funded and equipped by the Children's Hospital Foundation Inc. and includes a new Waters Alliance HPLC with Photo-Diode Array, Fluorimetric and Electro-

a flu outbreak at the end of January; the medication was used to prevent the second wave of infection. She was able to interview over 35% (n=70) of treated individuals over two days through an Inuktituk translator. The results will be presented in the north of 60 degree community of Harstad in Norway in June.

Dr. Metge is a co-investigator on a Canadian Nurses Association project entitled: "Supporting Self - Care for the Elderly Person: Building Upon a Self - Care Framework" This is an interdepartmental project headed by Nursing and Family Medicine with significant involvement by Pharmacy, Social Work, Med Rehab, Dentistry and Community Health. Its primary aim is to develop a model of health care delivery that demonstrates how a wide range of health care professionals can better support the concept of self - care for the elderly person.

Chemical Detectors. Dr. Keith Simons holds a cross-appointment in the Section of Allergy and Clinical Immunology, Department of Pediatrics and Child Health. This laboratory and instrumentation was provided to support child health research in allergic diseases, an area in which Drs. Keith and Estelle Simons have been very productive for the past 20 years. Dr. Gu joined the group in 1995 bringing expertise in the area of dosage form development.

Meera Thadani has recently presented the following seminars: 1) *Not All Herbs are Remedies*, Child and Adolescent Psychiatry Group, Health Sciences Centre, Continuing Education Day, Winnipeg, 23 February 2000. 2) *Herbal Remedies: Weeding Fact from Fiction*, Manitoba Schizophrenia Society, Winnipeg, 15 February 2000.

## UNIVERSITÉ LAVAL

### Resignation

Dr. Jacques Dumas has resigned as Dean effective April 4, 2000. He will remain as professor in the Faculty. An interim Dean will be nominated by the rector of the Faculty within the next few weeks.

## FACULTY NEWS

### UNIVERSITY OF TORONTO

#### General Faculty News

Micheline Piquette-Miller, Ph.D. was invited to give a talk entitled "Altered Gene Expression of ABC Transporters in Disease" and chaired a symposium entitled "From Gene Chips to Applications: Breakthroughs in Genomic Analysis" at the 100th annual ASCPT (American Society of Clinical Pharmacology & Therapeutics) meeting in Los Angeles, California (March 14-18th, 2000).

At the above meeting, Micheline Piquette-Miller, who is presently the vice-chair of the ASCPT Molecular Therapeutics section, was elected to the ASCPT Board of Directors for a 3 year term (2000-2003).

Reina Bendayan chaired a symposium entitled "Advances in Renal Insufficiency and Drug Disposition".

Dr. Jack Utrecht gave the Leo H. Crip Memorial Lecture at the American Academy of Allergy, Asthma and Immunology in San Diego.



#### Hot off the Press

Jessica Bugniet, Heather Boon, Truls Ostbye. "Complementary / Alternative Medicine: Comparing the views of medical students with students in other health care professions". Family Medicine 2000;32(3):178-84.

Peltkova V, Han G, Soleymanlou N, and Hampson D. "Constraints on proper folding of the amino terminal domains of Group III metabotropic glutamate receptors". Molecular Brain Research 2000;76:180-90.

Dr. Tigran Chalikian has been invited as a guest editor for a special issue of Biopolymers (Nucleic Acid Sciences). The topic, "Hydration Properties of Nucleic Acids", will appear in Volume 48, issue 4 (2000).

#### New Grants

Associate Dean Jake Thiessen and John Parker were successful in their grant application to the Heart and Stroke Foundation of Ontario. They received \$223 361 for a three-year project to study "Endothelin-1 Kinetics in Human Heart Failure". Dr. Thiessen also received a one-year funding for an "Ontario Demand for Pharmacists Study".

Dr. Heather Boon received a three-year MRC grant to study "The Use of Complementary/ Alternative Health Care Services by Men with Prostate Cancer".

Moselhy J, Wu XY, Nicholov R and Kodaria K. "In vitro characterization of interaction of poly (NIPAm/MAA) nanoparticles with proteins and cells. J. Biom. Sci. Polym. Ed. 2000;11:123-47.

Li J-X, Zhou Y, Wu XY, Odidi I and Odidi A. "Characterization of pharmaceutical wet powders by triaxial compression tests." J. Pharm. Sci. 2000;89:178-90.

Chalikian TV and Breslauer KJ. "Volumetric Properties of Nucleic Acids". Biopolymers 2000; 48:264-80.

## UNIVERSITY OF ALBERTA

### Awards and Grants

Dr David Feeny has been awarded a Health Independent Establishment Grant in the amount of \$400,000 from the Alberta Heritage Foundation for Medical Research.

Dr Jeff Johnson has received approval for a renewal of three years for a Population Health Investigatorship award from the Alberta Heritage Foundation for Medical Research.

Dr. Jeff Johnson has been informed by the Medical Research Council that his application to the CIHR Opportunity Program, entitled "Establishment of a Western Canadian diabetes health outcomes research group", has been approved for funding in the amount of \$50,000.

Dr J Miller, Dr S McQuarrie, Dr M Suresh and Dr J Mercer have had their application for ACB-RIP Operating Grant Support approved for a three-year term in the amount of \$40,000 per annum.

Dr E Knaus has received a Supplement to a 5 Year Operating and Group Grant that was previously approved.

Drs. John Samuel (Pharmacy), Warren Finlay (Mechanical Engineering), Dongqing Li

(Mechanical Engineering), and Brian Amsden (Pharmacy) received funding from NSERC for submicron particle size and zeta potential analyzer (\$80,085).

Drs. Christo Angelov, Sandy McEwan and John Mercer were awarded \$250,000 over three years from the Alberta Cancer Board for a project related to drug and radionuclide delivery to metastatic bone cancer.

A multi-user Equipment / Maintenance Grant entitled "Bruker AM-300 and Varian VXR-500 Nuclear Magnetic Resonance (NMR) Operator Salary and Maintenance Support" was awarded by MRC for a 5 year period (2000-2005) in the amount of \$70,992/year plus an equipment grant of \$10,169 in the first year. The applicants were: E. Knaus (Principal applicant) and co-applicants D. Wishart, L. Wiebe, J. Diakur, J. Samuel, S. McQuarrie, M. Suresh, B. Amsden, J. Mercer, F. Jamali, Y. Tam, C. Angelov, M. Daneshdalan and H. Uludag.

### Presentations

Dr. Cheryl Wiens has been invited to speak to the CSHP - Central Chapter (Alberta Branch) about "Reduced Mobility in the Elderly - The Pharmacist's Role".



## MEMORIAL UNIVERSITY OF NEWFOUNDLAND

### Resignation

Dr. Krishnan Tirunellai, Associate Professor of Pharmaceutics, has resigned from the School effective September 2000. Dr. Tirunellai has been on a leave of absence since September 1999. We wish him well.

### General Faculty News

Dr. Rebecca Law has been appointed as a Scholar to the Centre for Collaborative Health Professional Education for a 3 year term from January 1, 2000.

First year students' industrial trip to Toronto and Montreal will take place on April 22 - 27, 2000.

Dr. Debbie Kelly gave a talk on March 23, 2000 on the "Current Concepts in the Management of Osteoporosis" as the continuing education event held in conjunction with Memorial's selection for CAPSI/CSHP/Merck National Poster Competition.

Dr. Rebecca Law presented a workshop entitled "Conventional and Alternative Medicine: Conventional drug treatment for common ailments of seniors: side effects and interactions; Over-the-counter medications and interactions with prescription drugs" as part of a 2-day workshop on "Use and Misuse of Drugs by Seniors: A Cross-Cultural Education Model", sponsored by the Canadian Ethnocultural Council, April 1-2, 2000.

## UNIVERSITY OF SASKATCHEWAN

### General Faculty News

The Systematic Program Review initiated by the University of Saskatchewan just completed the evaluation of both the College's undergraduate and graduate programs.

The Nutrition and Dietetics program review was held March 27 and 28 and the onsite reviewers were Dr. Katherine Gray-Donald from McGill University and Dr. Susan Barr from the University of British Columbia.

The Pharmacy program was reviewed March 29-31. The onsite review team included Dean Jordan Cohen, College of Pharmacy, Iowa University, Dr. Don Perrier from the University of Toronto and Dr. David Fielding from the University of British Columbia.

The Division of Nutrition and Dietetics also underwent an accreditation program review by the Dietitians of Canada on March 13 and 14. The review site surveyors were Dr. Kristine Koski from McGill University and Dr. Elizabeth Johnston from Acadia University.

### Awards and Grants

Dr. D.K.J. Gorecki has been awarded an Agriculture Development Fund grant, valued at \$50,000, to assist in the development of a Natural Health Products research and teaching initiative.

The poster presentation entitled "Synthesis and in vitro antitumour activity of some cyclic chalcones" by P. Perjesi and J.R. Dimmock won a special prize at the Congress Pharmaceuticus Hungarius XI meeting at Siofok, Hungary, October 6-10, 1999.

P.G. Paterson, J.L. Franklin, B.H.J. Juurlink and J.A. Thornhill presented a poster entitled, "Neural damage in global hemispheric hypoxic ischemia is increased by sulfur amino acid deficiency", at the 6th Annual Meeting of the Oxygen Society in New Orleans LA, November 1999.

Drs. Foldvari and M. Baca-Estrada were awarded an MRC Regional Partnership Program grant of \$242,721 for three years for a project on "Transdermal Vaccine Delivery Systems".



## UNIVERSITY OF MANITOBA

### General Faculty News

Dr. Frank Burczynski has been appointed the Associate Dean of Research for the Faculty of Pharmacy. Frank has extensive experience and a proven track record in pharmaceutical research, specifically in the area of fatty acid uptake mechanisms of hepatocytes.

Dr. Keith Simons has been re-elected to the CPhA Board of Directors, 2000-2002, to represent the Pharmacists in Academia.

The Manitoba Centre for Health Policy and Evaluation is releasing its Manitoba Health deliverable, "Pharmaceutical Use by Manitobans, 1996". Dr. Colleen Metge was the principal researcher for this project and the findings are published in the June 1999 Supplement of Medical Care.

Drs. Metge, Vercaigne and Zhanel are currently developing a CCOHTA report entitled "A Clinical and Economic Evaluation of the New Fluoroquinolones in Community Acquired Pneumonia".

Tom Janus, a second year pharmacy student, and Martin Pacak, his colleague from the Faculty of Management, won the 12<sup>th</sup> Annual National Queen's Entrepreneurs' Competition from the Queen's School of Business. Congratulations on this significant achievement.



## Awards and Grants

Dr. Metge is Co-Chairperson of a large prevalence and intervention study of osteoporosis in Manitoba. Sponsored by Merck, the project will be to determine the prevalence of women at high-risk of developing osteoporosis in Manitoba, and then to design and implement interventions to fill gaps of care in the treatment and prevention of osteoporosis.

Dr. Ruby Grymonpre was the recipient of a 2000-2001 Centre on Aging Research Fellowship.

In February 2000, Dr. Grymonpre received the Parke-Davis Award for her submission: "The Impact of a Pharmaceutical Care Model for Non-Institutionalized Elderly: Results of a Randomized Controlled Trial".

Dr. Sheryl Zelenitsky received funding from Bayer to study the "Pharmacodynamics of moxifloxacin, levofloxacin and clarithromycin against *Streptococcus pneumoniae* in a multiple dose in vitro model".

Dr. Keith Simons received a Research Grant from Pfizer Inc. U.S. to study the systemic absorption and peripheral antihistaminic activity of the H1-antagonist cetirizine when applied to the skin in a liposome formulation.

Drs. Keith and Estelle Simons received a Research Grant from Aventis to study the distribution of the antihistamines diphenhydramine and fexofenadine in skin after oral administration.

Dr. Xiaochen Gu received \$13,515 from Cangene Corporation for "Pharmacokinetics and Distribution of Two RHAMM Peptides in Animal Models".



## Presentations

Drs. Keith and Estelle Simons presented a series of research articles describing the safety and efficacy of epinephrine for the treatment of anaphylaxis at the American Academy of Asthma, Allergy and Immunology Annual Meeting in San Diego, CA, March 3-8, 2000.

Besides those spotlighted earlier, Meera Thadani has presented the following additional seminars:

1) *Not all Herbs are Remedies*, Heart to Heart Facilitator Workshop, Heart and Stroke Foundation of Manitoba, Winnipeg, MB, April 12, 2000. 2) *Not all Herbs are Remedies, Seniors for Seniors*, Health Spot, Westman Communications Group (Television), Brandon, MB, April 10, 2000. 3) *A Practical Approach to Herbal Remedies*, Nutrition Forum for Health Professionals, Winnipeg, MB, March 17, 2000.

## UNIVERSITÉ LAVAL

### **Appointment**

We are delighted to welcome Dr. Chantal Guillemette as a research professor to our Faculty. Chantal has joined the Faculty last January and her research interest is in the pharmacogenetics of glucuronosyltransferase.

### **Retirement**

Drs. Gilles Barbeau, Gaston Labrecque and Pierre-Paul LeBlanc will be retiring from the Faculty next fall.

### **General Faculty News**

The various events of the 75th Anniversary of the Faculty in 1999 generated a profit of 170,000 \$ for our Faculty Research and Teaching Fund.

Thirty-five awards and scholarships sponsored by the pharmaceutical industries were given to our undergraduate and master degree students last November.



### **New Grants**

Dr. Thérèse Di Paolo-Chênevert in collaboration with Dr. Paul Bédard (Medicine) were awarded a grant from MRC for a five-year period starting last January to the amount of 91,130\$ per year for a project entitled "Molecular correlates of levodopa-induced dyskinesia".

### **Hot Off The Press**

Our colleagues Gilles Barbeau and Céline Brunelle published a book entitled "Petit Guide des Médicaments à l'usage des personnes de 50

Dr. Marjolaine Tremblay, B.Pharm., M.D., M.Sc., was nominated Chief of the newly created Palliative Care Unit of the CHUQ (Centre hospitalier universitaire de Québec) in January 2000.

The Faculty initiated a new postgraduate microprogram of 11 credit-units in pharmaceutical product development last February. Seventy students have registered.

The Faculty organized the second annual Brunet Symposium last October 15. The theme of the Symposium was "Schizophrenia and Depression". Anne Lacasse, our Faculty External Affairs coordinator, organized the Symposium.

ans et plus" last November. The book was written in collaboration with Manon Dugas, nurse and Annie Roberge, B.Pharm., L.Ph.. More than ten thousands copies of the manuscripts have already been sold.

### **Major Visitors**

Professor Erick Beyssac from the Faculty of Pharmacy of the University of Clermont-Ferrand (France) visited our Faculty last March. He presented a conference entitled "Research in Biopharmacy" to the undergraduate students.



## UNIVERSITY OF BRITISH COLUMBIA

### Appointments and Promotions

Mary Ensom has been promoted to full Professor effective July 1, 2000.

Kishor Wasan has been promoted to Associate Professor with tenure effective July 1, 2000.

Derek Daws, Managing Director of the BC Drug and Poison Information Centre (DPIC),

appointed Ms. Suzanne Dion as the new Office Supervisor of the Centre.

Peter Jewesson has been invited, and has accepted, an appointment to become a member of the Clinical Trials Research Advisory Committee at Vancouver Hospital and Health Sciences Centre.



### Awards

Luciana Frighetto, Carlo Marra and Peter Jewesson were awarded the Roche/Canadian Society of Hospital Pharmacists National Research Competition Award for Specialties in Pharmacy Practice for their project entitled, "*Economic Impact of Standardized Orders for Antimicrobial Prophylaxis (S.O.A.P.) Program*".

Carlo Marra, Luciana Frighetto, Carlo Quaia, Dawn Warkentin, Fawziah Marra, Mario de Lemos and Peter Jewesson were awarded the Novartis / Canadian Society of Hospital Pharmacists National Research Competition Award for Pharmacoeconomics for their project entitled, "*A Novel Ciprofloxacin Stepdown Program in the Treatment of High-Risk Febrile Neutropenia: A clinical and Economic Analysis*".

Subodh Verma was the winner of the Bio-Mega / Boehringer Ingelheim Postdoctoral Award for 2000 from the Pharmacological Society of Canada.

Christine Allen, a recent Ph.D. graduate from the Department of Chemistry at McGill University and newest addition to the Helen Burt research group, was awarded the prestigious Izaak Walton Killam Postdoctoral Fellowship for 2000/2001.

Rola Khalil-Priatel, Derek Daws, David Hill, Dennis Wasylow, Menno Froese and Suzanne Solven, members of the BC SMILE Staff and the Management Committee, have recently changed the BC SMILE name from the "Seniors Medication Information Line" to "Service for Medication Information Learning & Education" to more completely reflect the range of activities of the program. BC SMILE recently received donations from Eli Lilly Canada Inc. and Schering Canada Inc. to support program operations.

Helen Burt was selected by the Pharmacy Undergraduate Society as this year's recipient for the "Just Desserts Award 2000". This award is given to a faculty member that goes "above and beyond the call of duty" to support student activities in the Faculty of Pharmaceutical Sciences.

## Student News

Graduate students Caly Chien (Ph.D.), Gigi Chiu (Ph.D.), Ted Lakowski (M.Sc.), Linda Liang (M.Sc.) and Scott Loucks (Ph.D.), Hin Hin Ko (M.Sc.), Vincent Fung (M.Sc.), Sam Au Yeung (Ph.D.), Jennifer Shabbits (Ph.D.), Jason Zastre (Ph.D.) and Arun Verma (Ph.D.) won University Graduate Fellowships for the 2000-2001 academic year.

Judith Soon successfully defended her Ph.D. thesis entitled, "*Depression In Long Term Care Patients: Evaluation of a Screening Protocol and Outcomes of Drug Therapy*" on February 22, 2000.

Elaine Chong, fourth year pharmacy student, was named Wesbrook Scholar at the 19<sup>th</sup> Annual Wesbrook Society Reception on March 28<sup>th</sup> held at The Leon and Thea Koerner University Centre. This honorary distinction, presented by Dr Martha Piper, President of UBC, is awarded to UBC students that stand in the top 10% of their class and have demonstrated ability to serve, work with and lead others. Each scholar receives a certificate and the Wesbrook Scholar designation on his or her permanent record.



## New Grants

Helen Burt was awarded funds from NCE/CAN, for the period, April 1<sup>st</sup>, 1999 to March 31<sup>st</sup>, 2000 for her project entitled "*CAN: Development of intra-articular drug-delivery systems*".

Helen Burt was awarded funds from ARC Pharmaceuticals Inc., for the period, January 1<sup>st</sup>, 2000 to December 31<sup>st</sup>, 2000 for her project entitled "*Novel drug delivery systems*".

Bob Miller was awarded funds from Colorcon for the period, February 1<sup>st</sup>, 2000 to January 31<sup>st</sup>, 2001 for his project entitled "*Effects of formulation variables and compression on drug release from beads coated using a pseudolatex dispersion of ethylcellulose*".

At a luncheon held in the Vancouver Trade and Convention Centre on March 26, 2000, Shoppers Drug Mart paid tribute to the recently retired Terry Morrison, former Executive Vice-President, Shoppers Drug Mart, BC Region. In honor of his outstanding career and services to Shoppers Drug Mart, two new "Terry Morrison Prizes" were established for undergraduate students enrolled in the Faculty of Pharmaceutical Sciences at The University of British Columbia. These prizes are to be awarded on an annual basis to two students with superior academic achievement and contributions to pharmacy, one entering the second and one entering the third year of studies.

Kiran Pohar (fourth year pharmacy student) and Suzanne Taylor (BC Cancer Agency) were selected for a podium presentation at the 7<sup>th</sup> Annual International Symposium of Oncology Pharmacy Practice in Prague, Czech Republic, April 4-9, 2000 for their Clinical Pharmacy Directed Studies Project entitled "Ambulatory patient satisfaction with cancer treatment education". Ms Pohar received a travel grant from the Canadian Association of Pharmacy in Oncology to attend the international meeting.

Haydn Pritchard and Kishor Wasan were awarded funds from The Science Council of British Columbia / Forbes Medi-Tech: Health Technology-Industry Grant Program, for the period, March 1<sup>st</sup>, 2000 to February 28<sup>th</sup>, 2001 for their project entitled "*Novel Biological activities of sterols: Structure function relationships for phytosterol analogues*".

Keith McErlane received funding from Merck Frosst for the period January 1<sup>st</sup>, 2000 to December 31<sup>st</sup>, 2000, for his project entitled "*Development of methods for the resolution of optical isomers*".

Keith McErlane was awarded funds from Knoll Pharmaceuticals for the period January 1<sup>st</sup>, 2000 to December 31<sup>st</sup>, 2000, for his project entitled "*Hydromorphone metabolism*".

Steve Shalansky was awarded funds from Merck Frosst Canada, for the period January 1<sup>st</sup> 2000 - Jan.1 2001, for his project entitled "*Predictors of compliance with lipid lowering therapy in three distice practice settings*".

Colleen Brady, Hilary Watson, Kishor Wasan and Marion Pearson received funding from Tilak Technologies, for the period January 1<sup>st</sup>, 2000 - August 31<sup>st</sup>, 2000, for their project entitled "*Team Approach to the Provision of Pharmaceutical Care*".

Bruce Carleton received funding from CHSRF, for the period January 1<sup>st</sup>, 2000 – November 30<sup>th</sup>, 2000, for his project entitled "*Randomized control trial of reference based pricing of bronchodilators*".

Stelvio Bandiera was awarded funds from HC: Toxic Substances Research Initiative, for the period May 1<sup>st</sup>, 1999 – March 31<sup>st</sup>, 2000 for his project entitled "*Effects of endocrine disrupting chemicals in polar bears*".

Mary Ensom, Bob Levy , Andy Ignaszewski and Nilu Partovi were awarded funds from the BC Health Research Foundation / BC Transplant Foundation Operating Grant Competition for their project entitled "*Pharmacokinetics and pharmacodynamics of mycophenolate in the early period following lung, heart, heart-lung transplants*".



### **Existing Grants**

Helen Burt received an increase from Angiotech Pharmaceuticals Inc., for the period August 1<sup>st</sup>, 1999 to July 31<sup>st</sup>, 2000 for her project entitled "*Development of parenteral polymeric drug delivery system for anti-invasive factor*".

Bob Miller received an increase from Colorcon for the period February 1<sup>st</sup>, 2000 to January 31<sup>st</sup>, 2001, for his project entitled "*Effects of formulation variables and compression on drug release from beads coated using a pseudolatex dispersion of ethylcellulose*".

TJ Grainger-Rousseau received an increase from Apotex Inc. for the period May 1<sup>st</sup>, 1999 to April 30<sup>th</sup>, 2000, for his project entitled "*Taxonomy of structural requirements in community pharmacy practice to improve patient outcomes in Canada*".

Frank Abbott received an increase from Abbott Laboratories for the period December 1<sup>st</sup>, 1999 to November 30<sup>th</sup> 2000, for his project entitled "*Quantitative structure activity relationships of unsaturated analogues of valproic acid*".



### **Grant Renewals**

Kishor Wasan was awarded funds from Tilak Technologies, for his project entitled "*The discovery and characterization of lipid transfer inhibitor protein*".

Thomas Chang was awarded funds from the British Columbia Health Research Foundation, for the period February 1<sup>st</sup>, 2000 to January 31<sup>st</sup>,

2001 for his project entitled "*Cytochrome P450 and p-glycoprotein*".

Keith McErlane was awarded funds from Various Foundations and Nonprofit Agencies, for the period April 1<sup>st</sup>, 1999 to March 31<sup>st</sup>, 2000 for his project entitled "*Optical isomer separations*".

Kishor Wasan was awarded funds from Forbes Medi Tech Inc., for the period January 1st 2000 to June 30th 2000, for his project entitled "Assessing cholesterol and lipid soluble vitamins bioavailability following oral administration of various plant sterols (phytosterols) to rats".

Simon Albon and Kishor Wasan were awarded funds from UBC's Teaching and Learning Enhancement Fund for the period March 1<sup>st</sup>, 2000 to February 28<sup>th</sup>, 2001, for their project entitled "Enhancement of Teaching and Learning in the Pharmaceutical Sciences through the Development of a WWW - based Educational Resource".

John McNeill was awarded funds from Kinetek Pharmaceutical Inc. for the period January 1<sup>st</sup>, 2000 to December 31<sup>st</sup>, 2000, for his project entitled "Comparison of the effects of BMOV and BEOV in experimental models of insulin-dependent and non-insulin dependent diabetes".

Frank Abbott and Kevin Farrell were awarded funds from MRC for the period April 1<sup>st</sup>, 1999 –

March 31<sup>st</sup>, 2000, for their project entitled "Valproic acid analogues; glutathione dependant metabolism and mechanisms of toxicity".

Helen Burt received funding from Angiotech Pharmaceuticals Inc., for the period August 1<sup>st</sup>, 1999 – July 31<sup>st</sup>, 2000, for her project entitled "Development of parenteral polymeric drug delivery system for anti-invasive factor".

Morten Kristensen received funding from National Sleep Foundation, for the period July 1<sup>st</sup>, 1999 – June 30<sup>th</sup>, 2000, for his Pickwick Postdoctoral Fellowship Research project.

Kathleen MacLeod received funding from the Heart & Stroke Foundation of BC, for the period July 1<sup>st</sup>, 1999 – June 30<sup>th</sup>, 2000, for her project entitled "Changes in vascular reactivity in experimental diabetes".

John McNeill received funding from the NIH, for the period October 1<sup>st</sup>, 1999 to September 30<sup>th</sup>, 2000, for his project entitled "Vanadium in humans".



## UNIVERSITÉ DE MONTREAL

### Grants and Awards

Dr. Sylvie Perreault received an FRSQ scholarship for the period 2000-2004 and a grant from the Fonds d'opération du programme de subventions à la recherche évaluative, épidémiologique et opérationnelle for her research project entitled " Ménopause: décision de traitements pharmacologiques préventifs et analyses économiques".

Dr. Jean-Christophe Leroux received an FRSQ scholarship for the period 2000-2004 for his work entitled " Système polymères sensibles au pH et à la température pour la libération contrôlée et le ciblage des médicaments".

Dr. Louise Mallet is the recipient of the "prix d'excellence APES" (Associations des

pharmaciens d'établissements de santé) in geriatrics and the "prix d'Excellence APES-SCPH" (société canadienne des pharmaciens d'hôpitaux)- les partenaires pharmaceutiques en continuité des soins.

Dr. Pierre Martineau is the recipient of the "prix APES-Merck" 2000 for his initiatives and excellence in the development of pharmaceutical care in the cardiovascular field.

Madame Diane Lamarre is the recipient of the "Prix d'excellence en enseignement de l'Université de Montréal pour l'année 1999-2000" in the category «chargé de cours».

## DALHOUSIE UNIVERSITY

### Appointments

New adjunct appointments include Dr. Rob MacLaren and Dr. Adil Virani. Adjunct reappointments include Dr. Roy Steeves.

Hoan Linh Banh, PharmD, will be joining the College in early May, 2000. Dr. Banh will be assuming a position in critical care with the Queen Elizabeth II Health Centre with a joint appointment to the College of Pharmacy as an Assistant Professor. Dr. Banh is leaving her Clinical Pharmacy Specialist position with Neurosensory and Orthopedics, Thomas Jefferson University Hospital, Philadelphia, PA to

assume these positions.

Neil MacKinnon has been appointed an Associate Editor of the Canadian Journal of Hospital Pharmacy and a member of the Journal of Managed Care Pharmacy Editorial Advisory Board.

### Retirements

Dr. David Yung will be "retiring" from his post-retirement position as Director of the Division of Continuing Education on June 30, 2000.



### Individual Faculty News - Funding Received

Robert Drobitch has received funding from the Dalhousie Pharmacy Endowment Fund for "Proposed Uses for A High-Performance Liquid Chromatography System for Dalhousie University College of Pharmacy".

Decision Making" This grant was provided by the Social Sciences and Humanities Research Council of Canada - Special Grants for New Investigators, and it is administered by the Dalhousie University Faculty of Health Professions.

Tannis Jurgens has received funding from the Dalhousie Pharmacy Endowment Fund for "Evaluation of the Immune Stimulating Constituents of Echinacea purpurea".

Neil MacKinnon has received funding for a research contract "A Case Study of the Red Bank First Nation Prescription Drug Misuse Project." The funding was provided by Health Canada - Health Transition Fund and it is administered by the Red Bank First Nation, New Brunswick.

Neil MacKinnon has received funding from the Dalhousie Pharmacy Endowment Fund for "Canadian Hospital Pharmacy Managers' Self-Assessment of Pharmacy Management Competencies".

Neil MacKinnon has received funding for "Use of Health-Related Quality of Life in Drug Formulary

Anne Marie Whelan, Susan Mansour and Pat Farmer have received funding from the Dalhousie Pharmacy Endowment Fund for "A Survey of Dalhousie Graduates and Their Supervisors".



### Opportunities

The Dalhousie University Conference on University Teaching and Learning will take place in Halifax on May 9 - 11, 2000. The Conference theme is Innovation in University Teaching and Learning.

### Major Visitors

Alan Hanson, PhD, Professor and Chairman, Extension Services in Pharmacy, Associate Dean, School of Pharmacy, University of Wisconsin Madison visited the College to complete a review of the Division of Continuing Pharmacy Education as part of the College's Strategic Plan.

The following visitors were hosted at the College this spring and presented various topics to faculty and students:

Dr. Larry Whitehouse (Health Canada, Ottawa)  
Dr. Terry Montague (Merck Canada & Co.,

Montreal)

Dr. Brian Fahie (Eli Lilly Canada, Toronto)

Dr. Michele Battle (Wyeth-Ayerst Research, Radnor, PA, USA) - AAPS visiting industrial scientist

## ***CPhA Report***

### **CPhA Board of Directors Meeting**

The CPhA Board of Directors met in Ottawa, February 19-20, 2000, to consider a number of important issues. The topics for discussion and decisions reached, at the Board meeting, are included in this report.

### **Internet Pharmacy**

For pharmacists who wish to provide internet pharmacy services and for consumers who wish to use these services, the Board approved a statement on internet pharmacy in Canada. The rapid growth of on-line pharmacies is causing increased concern that the existing public protection safety net could be bypassed by illegitimate operators or unaccredited pharmacies. This could expose the public to harmful or ineffective drugs, improper prescribing or dispensing of pharmaceuticals. However, we recognize that on-line pharmacy services from reputable pharmacies are a trend that may benefit consumers and provide innovative opportunities for pharmacies to serve their patients electronically.

### **CPhA's Position on Direct-to-Consumer Advertising**

For many years, CPhA has responded to government consultations on direct-to-consumer advertising (DCTA), although a formal position statement has never been developed. With the rewriting of federal health protection legislation, DCTA will be an area of focus. We expect that uniquely Canadian approaches to the issue will be proposed.

The Board approved the following position statement:

CPhA recognizes that:

- patients, governments, pharmaceutical manufacturers and health care providers have a vested interest in achieving optimal drug therapy for all Canadians
- pharmaceuticals should not be considered as a consumer good but rather as a social good as

A copy of the statement is posted on the CPhA website ([www.cdnpharm.ca](http://www.cdnpharm.ca)) or can be obtained from the CPhA office. The statement will be updated as e-commerce and the regulatory framework evolves.

### **Disease State Management and Credentialing**

In the United States, efforts to ensure pharmacists' competence to care for specific types of patients is now focused on credentialing to demonstrate that a pharmacist has a specific set of skills. There has been considerable debate on this subject in the United States and the debate has moved into Canada.

The Board discussed disease state management and has authorized further dialogue with members and interested pharmacy organizations on disease state management with a view to developing a strategy. The Board would appreciate any comments or recommendations regarding this issue.



- one of the most cost-effective therapeutic interventions that exists today
- patients have a right to receive information on all therapeutic interventions available to them in order to participate in decisions about their health
- the information available to patients must be objective, accurate and comprehensive, and
- the media used to disseminate information must not encourage patients to seek unnecessary or inappropriate treatments thus increasing the risk to their health and the costs of our health care system

Therefore, CPhA:

- opposes direct-to-consumer advertising of prescription medications, and
- supports joint efforts by patient groups, governments, pharmaceutical manufacturers and health care providers to develop objective information about pharmaceutical products and disseminate it broadly in plain language”.

### **Prescribing Authority**

A key result from CPhA’s strategic plan is to foster public recognition of the pharmacists’ drug expert role. A strategic objective to achieve this recognition is to ensure prescriptive authority for pharmacists. To further the objective, CPhA has prepared a discussion paper on prescriptive authority focussing on rationale, criteria and protocols. Members will have an opportunity to comment on this paper, which will be included with the next issue of *Impact*.

### **Herbs: An Everyday Reference for Health Professions**

We are eagerly awaiting the publication of *Herbs. Everyday Reference for Health Professionals*, a joint venture with the Canadian Medical Association, later this month. Watch for orders forms and our promotional brochure.

### **Bill C-6**

CPhA’s successful lobbying efforts on Bill C-6 (Personal Information Protection and Electronic Documents Act) has led to a two-year delay for this legislation to apply to personal health information. We are working with other health

care groups to develop a consensus position on the principles for the protection of privacy for personal health information.

### **Pharmacy Manpower**

A meeting was held February 15, 2000 with representatives from many national pharmacy organizations to discuss the current pharmacy manpower shortage. This group will produce a proposal for a major study on pharmacy human resources.

The first step in this process is to find out what information is available in our databases and build on that information. The ultimate goal will be to develop a model to accurately forecast pharmacy human resources in the future.

### **CPhA/CSHP National Pharmacy Forum**

Each year, the leaders of national and provincial pharmacy meet at the National Pharmacy Forum during the CPhA Conference. This year the two topics for discussion will be *Pharmacist Mobility/Reciprocity and Manpower*, and *Privacy and Confidentiality*.



### **Restructuring CPhA’s Committees**

As a result of an ongoing review of CPhA’s committees, the Board approved a new committee structure for implementation after the

Annual General Meeting. Now there will be three types of CPhA committees, Standing Board Committees that work on behalf of and report to the Board; CPhA Facilitated Task

Forces, Partnerships or Coalitions; and Advisory Committees to the various CPhA departments whose work is reported through the Executive Director to the Board.

We expect committee restructuring to help clarify the roles of committees, to enhance the involvement of the Board in establishing decisions and policies for the Association and to improve the contribution and sense of accomplishment of committee members.

The Board will approve new terms of reference for committees in June and committee appointments for 2000-2001 will follow. Please contact me if you have a particular area of interest or expertise and would like to become more involved.

**Other Items of Interest:**

**Saskatoon Conference – June 25-27, 2000**

By now you will have received the booklet and registration form for the Saskatoon Conference. We are planning another great program of continuing education and social events. AFPC will hold its Annual Meeting in Saskatoon in conjunction with the CPhA Conference. AFPC Members are encouraged to register for the joint conference in order to participate in the programs of both organizations.



***Nominations for President Elect***

In accordance with the AFPC Bylaws, I am directed to issue a Call for Nominations for the position as President Elect of the Association of Faculties of Pharmacy of Canada for the period of July 2000 to July 2001. Nominations for this position must be submitted to Dr. Ingrid Sketris, Chair of the Nominations Committee. College of Pharmacy, Dalhousie University, Halifax NS, B3H 3J5. Tel: (902) 494-3755 Fax: (902) 494-1396 e-mail: [ingrid.sketris@dal.ca](mailto:ingrid.sketris@dal.ca)

**CPhA New Editor-in-Chief**

The Canadian Pharmacists Association is pleased to announce the appointment of Ms. Carol Repchinsky as its new Editor-in-Chief. Ms. Repchinsky graduated from the University of Saskatchewan (1976), then undertook a residency (Ottawa) and specialty training in drug information (B.C. Drug and Poison Information Centre). Following 10 years' experience at the Ottawa Valley Regional DIS, Ms. Repchinsky joined CPhA in 1996 as a Drug Information Specialist. Ms. Repchinsky has been instrumental in contributing to the quality of the clinical content of the association's most reputable publications, *CPS* and *Therapeutic Choices*.

Please do not hesitate to contact me directly if more information is required about any of the above items. Also, if there are any issues of importance which should be brought to the attention of the Board, please let me know so that they can be considered for the Agenda of the next CPhA Board Meeting.

Respectfully submitted, Keith J. Simons, Ph.D.  
Board Member, Academia  
(204) 474-9630 FAX: (204) 474-7617 E-mail: [simons@ms.umanitoba.ca](mailto:simons@ms.umanitoba.ca)

The closing date for acceptance of nominations is May 23, 2000. All faculty members with a minimum of 0.2 FTE at their respective faculty are eligible for nomination. If you require any further information, please contact Dr. Sketris or Dr. Jim Blackburn.

**Jim Blackburn, Executive Director**

**Association of Faculties of  
Pharmacy of Canada**

**Association des Faculté  
de Pharmacie du Canada**

**AFPC CONFERENCE PROGRAM JUNE 24 - 26, 2000  
SASKATOON, SK**

***“Supporting Pharmacy Education of Tomorrow, Today”***

*(held in conjunction with the Canadian Pharmacists Association meeting)*

**Saturday, June 24 - Teachers Conference**

***“Supporting Pharmacy Education of Tomorrow Today: Towards an Ability-Based Outcomes Teaching Practice”***

**Sunday, June 25 -**

**AFPC Award Recipients Presentations**

**Research Symposium - *“Highlighting Canadian Pharmacy Practice Research”***

**Monday, June 26**

**Pharmacy Practice and Pharmaceutical Science Research Poster Presentations**

**AFPC Annual General Meeting**

***AFPC Annual Banquet***

# ***AFPC CONFERENCE PROGRAM***

**Friday, June 23, 2000**

**8:30 AM - 5 PM Executive and Council Meeting**  
*(Canadian Room, Sheraton Cavalier)*

**Saturday, June 24 AFPC SESSIONS - Salon Batoche, DELTA BESSBOROUGH**  
*(Continental Breakfast available at 8:15 AM)*

**9:00 AM WELCOME TO THE AFPC CONFERENCE**  
**(Morning Session Chair - Dr. Fred Remillard, Chair, AFPC Conference Planning Committee)**  
Dr. David Hill, President, AFPC  
Dr. Dennis Gorecki, Dean of Pharmacy & Nutrition, University of Saskatchewan

**9:15 AM - 5 PM TEACHERS' CONFERENCE - "Supporting Pharmacy Education of Tomorrow, Today: Towards an Ability-Based Outcomes Teaching Practice"**

## **Goals of the AFPC Teacher's Conference:**

- To provide an opportunity for conference attendees to develop an outcomes-based teaching practice in their courses or programs.
- To provide strategies or methodologies for measuring educational outcomes to try to answer the question, "How do we know if our students have learned?"
- To establish a national network of individuals and resources offered to Faculties through the AFPC web site for sharing ideas and progress on changing teaching practice.
- To model, through the teaching conference activities, those teaching practices that will be important for helping meet the abilities-based outcomes for pharmacy education in Canada.
- To identify key elements of teaching practice that will help meet the ability-based outcomes for our programs.

**9:15 AM Teachers' Conference Orientation - Simon Albon,**  
University of British Columbia

**9:30 AM Developing and Measuring Ability-Based Communication Skills - Marguerite Yee,**  
University of British Columbia

**10:15 AM Refreshment Break**

**10:30 AM Developing and Measuring Ability-Based Outcomes - Information Access and Evaluation -**  
David Gardner,  
Dalhousie University

**11:15 AM Developing and Measuring Ability-Based Outcomes - Critical Thinking Skills**  
Cleo Boyd, University of Toronto

**12:15 PM LUNCH**

**1:30 PM The OSCE as an Instrument for Measuring Ability-Based Outcomes**  
John Pugsley, Registrar-Treasurer, Pharmacy Examining Board of Canada

**2:30 PM Applying Knowledge Gained to Incorporate Ability-Based Outcomes - A Practical Group Session**  
Simon Albon and David Fielding will introduce the afternoon group discussion program, setting the goals and discussing the format for group accomplishment.

**3:15 PM Refreshment Break** *(discussion group members will pick up refreshments and return to their discussions)*

**4:00 PM Sharing Group Accomplishments and Issues**

**4:30 PM Adjournment**

## Sunday, June 25

**10:00 AM - 12 Noon**     ***Presentations by AFPC Award Recipients***  
*(Rehearsal Hall, Centennial Auditorium)*  
Janssen-Ortho Pharmaceutical Research Award  
Sidney Katz, University of British Columbia  
Bristol-Myers Squibb National Award for Excellence in Education  
Susan Mansour, Pat Farmer, Anne Marie Whelan, Dalhousie University  
AstraZeneca New Investigator Award  
Hu Liu, Memorial University of Newfoundland  
Roche Graduate Student Research Award  
Mark Lomaga, University of Toronto

**2:00 - 4:30 PM**     ***Highlighting Canadian Pharmacy Practice Research - sponsored by Merck Frosst Canada Inc.***

*(Rehearsal Hall, Centennial Auditorium)*

The symposium will highlight Canadian pharmacy practice research. Each speaker will describe how their research project findings may have impact on pharmacy practice.

Speakers:     Ruby Grymonpre, University of Manitoba  
Yvonne Shevchuk, University of Saskatchewan  
Ross Tsuyuki, University of Alberta  
Jean-Pierre Gregoire, Université Laval

The presentations will be followed by a panel discussion, chaired by Dr. Bruce Carleton, Chairman of the Canadian Pharmacy Practice Research Network. The session will feature the approaches to dealing with problems and issues pertaining to pharmacy practice research in the real world.

**5:45 PM**     **Opening Awards Reception (CPhA) Followed by Saskatchewan Night\***

## Monday, June 26

**9:00 AM - 4:00 PM**     ***AFPC Poster Sessions (presentations of pharmaceutical science and pharmacy practice research findings)*** *First Floor Lounge, Centennial Auditorium*  
Presenters will be available at posters from 10:30 to 11:00 and from 12 to 2:00 PM

**10:00 - 12 Noon**     **AFPC Annual General Meeting - Regal A, Centennial Auditorium**

**2:00 - 4:00 PM**     **New AFPC Council Meeting - Green Room, Centennial Auditorium**

**6:30 PM**     **AFPC Banquet - at the Willows Golf and Country Club**

**\* Tickets to the Opening Reception and Saskatchewan Night will be provided as part of the AFPC Conference Registration package. If you have not been to an “impromptu Saskatchewan Nite” you will not want to miss this evening! Get ready for a “good old country hoe-down” with great food and entertainment!!**

*AFPC members are encouraged to obtain joint registration to enable them to take in the full CPhA program that will continue on Tuesday. This is a great opportunity to participate in some excellent educational offerings that are provided by the CPhA Conference. Information on registration for both conferences is provided on the next page.*

**CONFERENCE REGISTRATION FEE**

**AFPC MEETING ONLY REGISTRATION** \_\_\_\_\_(please check here)

*This registration fee includes entire AFPC program, continental breakfast, and lunch, June 24; Opening reception & Sask. night June 25; lunch and AFPC Banquet on June 26. (Please make cheque payable to AFPC Conference 2000). Please note that the student fee (below) entitles students to attend both programs.*

	<u>Before April 30</u>	<u>After April 30</u>
<b>AFPC Members</b>	\$275 + \$13.75 GST = \$288.75	\$325 + \$16.25 GST \$341.25

**Name** \_\_\_\_\_

**Employer/Faculty** \_\_\_\_\_

**Address** \_\_\_\_\_

**City, Prov.** \_\_\_\_\_

**Postal Code** \_\_\_\_\_ **Tel** \_\_\_\_\_ **E-mail** \_\_\_\_\_

*Send form and cheque to AFPC Conference 2000*

**Association of Faculties of Pharmacy of Canada**  
2609 Eastview  
Saskatoon, SK S7J 3G7

**JOINT AFPC/CPhA REGISTRATION** \_\_\_\_\_(please check here)

*This registration fee includes educational programs for both organizations, continental breakfast & lunch, June 24; Opening reception & Sask. night - June 25; lunch & AFPC Banquet. June 26; lunch June 27. The CPhA has registration forms that will be available at your faculty and you may use VISA or Mastercard with that form. PLEASE INDICATE THAT YOU ARE AN AFPC MEMBER. However, if you wish to register for the joint program on this form, please make cheque payable to the Canadian Pharmacists Association and forward to the above address..*

	<u>Before April 30</u>	<u>After April 30</u>
<b>AFPC Member</b>	\$492.20	\$545.70
<b>Student</b>	\$165.85	\$219.35
<b>Companion/Guest</b>	\$299.60	\$353.10

*For further information, please contact*

*Jim Blackburn Tel (306) 374-6327*

*Fax (306) 374-0555*

*E-mail - jblackburn@sk.sympatico.ca*

**Hotel Accommodations:**

Hotel reservations may be made by calling the following hotels and mention that you are with the Canadian Pharmacists Association Conference:

**Sheraton Cavalier Hotel Saskatoon**

612 Spadina Cres. E.

Saskatoon, SK S7K 3G9

**(306) 652-6770****Central Reservations 1-800-325-3535**

rates - standard - \$99.00 per night

**Radisson Hotel Saskatoon**405 - 20<sup>th</sup> St. E.Saskatoon, SK S7K 6X6 **(306) 665-3322****Central Reservations 1-800-333-3333**

rates - single/double - \$89.00 per night

**Quality Inn Downtown\***90 - 22<sup>nd</sup> St. E.Saskatoon, SK S7K 3X6 **(306) 244-2311**

rates - standard single \$89; double \$96

**Delta Bessborough**

601 Spadina Cres. E.

Saskatoon, SK S7K 3G8

**Central Reservations - 1 - 800 -268-1133**

rates - standard (single/double) - \$99.00 per night

Signature service - \$ 114.00 per night

- Quality Inn Downtown is located across from the Centennial Auditorium, but there will be bus service provided between hotels and Centennial Auditorium beginning on Sunday, June 25. All hotels are within five blocks of the Auditorium for those who would prefer to get some exercise.

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**Contributors**

David Hill, President

AFPC Councillors:

Alfred Remillard, U of S

Pierre BJIanger, U Laval

Karen Farris, U of A

Simon Albon, UBC

Zubin Austin, U of T

Susan Mansour, Dalhousie U

Sylvie Marleau, U de MontrJal

Lavern Vercaigne, U of M

Lili Wang, Memorial U

Jim Blackburn, Executive Director

Keith Simons, AFPC Representative,

CPhA Board of Directors

**Editor**Rebecca M. Law, Memorial U of Newfoundland

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