



**AFPC**

Association of Faculties of Pharmacy of Canada  
Association des Facultés de Pharmacie du Canada

**PROCEEDINGS**

**COMPTE RENDUS**

**ASSOCIATION OF  
FACULTIES OF  
PHARMACY OF  
CANADA**

**ASSOCIATION DES  
FACULTÉS DE  
PHARMACIE DU  
CANADA**

**2010**

**INCLUDING THE**

**SIXTY-SEVENTH ANNUAL MEETING**

**JUNE 2 - 4, 2010**

**RICHMOND, BRITISH COLUMBIA**



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Association of Faculties of Pharmacy of Canada  
Association des Facultés de Pharmacie du Canada

# **PROCEEDINGS**

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**RICHMOND, BRITISH COLUMBIA**

# TABLE OF CONTENTS

	Page
AFPC Mission Statement .....	4
AFPC Constituent Faculties 2009-2010 .....	5
AFPC Officers 2009-2010.....	5
AFPC Representatives to Affiliate Organizations .....	6
AFPC Committee Chairs and Other Positions .....	6
Recipients of Major AFPC Awards.....	7
AFPC Honored Life Members.....	13
AFPC Annual Meetings and Officers .....	15
<b><u>PART 1.0 AFPC Annual Activities 2009 - 2010</u></b>	
Annual Conference .....	19
Welcome from Conference Chair.....	21
Welcome from AFPC President .....	22
Welcome from Dean Robert D Sindelar .....	23
AFPC - CPERC 2010 Conference Planning Committee.....	24
Looking Ahead to CPERC 2011 in Winnipeg.....	25
AFPC Executive and Council .....	26
AFPC - CPERC 2010 Conference Program.....	29
AFPC 2010 Award Winners .....	38
AFPC Speaker Profile and Abstracts .....	46
2010 Poster Abstracts, Titles and Authors .....	68
Conference Exhibitors.....	83
AFPC – CPERC Sponsors.....	84
<b><u>PART 2.0 Minutes of AFPC Meetings 2009 - 2010</u></b>	
Minutes, Mid Year Council Meeting, February 6-7, 2010 .....	86
Minutes, AFPC Annual Council Meeting, June 2, 2010.....	96
Minutes, Annual General Meeting, June 3, 2010 .....	107
List of AGM Attendees 2010.....	113
Minutes, AFPC New Council Meeting, June 5, 2010.....	115
<b><u>PART 3.0 Reports of AFPC Standing Committees, Representatives &amp; Delegates</u></b>	
President’s Report .....	124
AFPC Awards Committee Report.....	127
AFPC Bylaws Committee Report.....	132
AFPC Communications Committee Report .....	133
AFPC Communications Committee – Database Project .....	135
AFPC Education Committee Report .....	136
Educational Outcomes for First Professional Degree Programs in Pharmacy....	138
AFPC Nominating Committee Report.....	162
PEP Canada Report to AFPC.....	163

- Planning and Finance Committee Report .....	165
- - Report of the Auditor .....	167
- 2009 AFPC Financial Statement with 2008 Actual.....	177
- 2010 AFPC Budget.....	180
<b>AFPC Research Committee Report .....</b>	<b>183</b>
<b>Strategic Planning Committee Report .....</b>	<b>184</b>
<b>Blueprint for Pharmacy Report .....</b>	<b>185</b>
<b>CCAPP Report .....</b>	<b>187</b>
<b>Academic Board Member to CPhA Report.....</b>	<b>188</b>
<b>AFPC Representative to CPPRG .....</b>	<b>190</b>
<b>PEBC Annual Report .....</b>	<b>191</b>
<b>USP Representative Report .....</b>	<b>194</b>
<b>Executive Director’s Report.....</b>	<b>195</b>
<b>Executive Director Search Committee Report.....</b>	<b>203</b>

# ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA MISSION STATEMENT

*To advance the interests of academic pharmacy by supporting, promoting and recognizing innovation, excellence and leadership in pharmacy education, research and scholarly activity.*

## Goals and Objectives:

### **(a) Foster advancement of academic pharmacy in Canada**

- To promote excellence in pharmacy education, research and scholarly activity.
- To support members, Deans and Faculties in advancing knowledge, skills and expertise critical to pharmacy education, research and scholarly activity.
- To encourage high standards by assuming an advisory role for the development of policies, guidelines and standards used for the accreditation of pharmaceutical education programs.

### **(b) Stimulate and provide opportunity for the development and exchange of ideas among pharmacy educators with a view to improving curricula, teaching and learning.**

- To showcase and promote innovations in pharmacy teaching and research.
- To provide members and external organizations with the ability to easily identify and access AFPC members with expertise and skills in teaching and research.

### **(c) Establish and maintain liaison with pharmacy and relevant educational associations, other health professions, governmental agencies, and members of the pharmaceutical industry to further the development, support, and improvement of pharmacy education, practice, and research.**

- To be recognized by external organizations as the leading representative on academic pharmacy affairs in Canada.
- To be seen as “the voice” of academic pharmacy in Canada.

### **(d) Support and advance the interests of AFPC members.**

- To secure independence through consistent, long term funding for the ongoing operations of AFPC and for special projects.
- To be valued by faculty members so as to increase their involvement in AFPC.
- To be valued by the Deans so that they look to AFPC for assistance on relevant projects and support faculty member involvement in AFPC.

## ***Glossary For Mission Statement***

For the purpose of this Mission Statement:

**Education** - is interpreted to include: curricular design, teaching methods, student assessment, program evaluation and continuing education

**Scholarly Activities** - includes: graduate education; publication/dissemination, discovery/new information; discovery/creation of new knowledge and innovations; acquisition of resources for research; develop interdisciplinary collaboration; adherence to ethical standards of scholarship

# AFPC CONSTITUENT FACULTIES 2009 - 2010

Memorial University of Newfoundland, School of Pharmacy, St. John's NF  
Linda Hensman, Director (709) 777-6571

Dalhousie University, College of Pharmacy, Halifax, NS  
Rita Caldwell, Director (902) 494-2457

Université Laval, Faculté de Pharmacie, Québec, QC  
Jean-Pierre Gregoire, Doyen (418) 656-5639

Université de Montréal, Faculté de Pharmacie, Montréal, QC  
Pierre Moreau, Doyen (514) 343-6440

University of Toronto, Leslie Dan Faculty of Pharmacy, Toronto, ON  
Henry Mann, Dean (416) 978-2880

University of Waterloo School of Pharmacy, Waterloo, ON  
Jake Thiessen, Hallman Director, (519)-888-4567

University of Manitoba, Faculty of Pharmacy, Winnipeg, MB  
David Collins, Dean (204) 474-8794

University of Saskatchewan, College of Pharmacy & Nutrition, Saskatoon, SK  
David Hill, Dean (306) 966-6328

University of Alberta, Faculty of Pharmacy & Pharmaceutical Sciences, Edmonton, AB  
James Kehrer, Dean (780) 492-0204

University of British Columbia, Faculty of Pharmaceutical Sciences, Vancouver, BC  
Robert Sindelar, Dean (604) 822-2343

## AFPC OFFICERS 2009 - 2010

### Executive

President	Mike Namaka (Manitoba)
President Elect	Lalitha Raman-Wilms (Toronto)
Past President	Roy Dobson (Saskatchewan)
ADPC Representative	David Collins (Manitoba)
Executive Director	Frank Abbott

### Council

Ingrid Price (British Columbia)	Andrea Cameron (Toronto)
Nése Yuksel (Alberta)	Sylvie Marleau (pro tem, Montréal)
Bev Allen (Saskatchewan)	Frédéric Calon (Laval)
Silvia Alessi-Severini (Manitoba)	Mary MacCara (Dalhousie)
Nancy Waite (Waterloo)	John Hawboldt (Memorial)

# **AFPC REPRESENTATIVES TO AFFILIATE ORGANIZATIONS**

Association of Deans of Pharmacy of Canada – David Collins (Manitoba)  
Academic Board Member, Canadian Pharmacists Assoc. – Rita Caldwell (Dalhousie)  
Canadian Council for the Accreditation of Pharmacy Programs  
– Susan Mansour (Dalhousie) & Carmen Vézina (Laval)  
Canadian Council for Continuing Education in Pharmacy – Yvonne Shevchuk (Saskatchewan)  
Canadian Patient Safety Institute – Andrea Cameron (Toronto) Pharmacy Examining Board of  
Canada – Anne Marie Whelan (Dalhousie) & Lavern Vercaigne (Manitoba)  
Representative to the Blueprint Steering Committee – Zubin Austin and Lalitha Raman-Wilms  
(Toronto)  
Representative to Canadian Pharmacy Practice Research Group – Nése Yuksel (Alberta)  
Representative to United States Pharmacopeia Convention – Raimar Löbenberg (Alberta)

## **Committee Chairs and Other Positions**

Awards Committee – Mary MacCara (Dalhousie)  
Bylaws Committee – Roy Dobson (Saskatchewan)  
Communications Committee – Silvia Alessi-Severini (Manitoba) and Sylvie Marleau (Montreal)  
Conference Planning Committee – Simon Albon (British Columbia)  
Editor, AFPC Communications – Rebecca Law (Memorial)  
Education Committee – Nese Yuksel (Alberta)  
Executive Committee – Mike Namaka (Manitoba)  
Finances – Bev Allen (Saskatchewan)  
Nominations Committee – Roy Dobson (Saskatchewan)  
Pharmacy Experiential Programs Canada (PEPC) – Representative: Bev Allen (Saskatchewan)  
and/or Andrea Cameron (Toronto), Nancy Waite (Waterloo),  
Program Evaluation Task Force – Ingrid Price (British Columbia)  
Research Committee – John Hawboldt (Memorial)  
Strategic Planning – Roy Dobson (Saskatchewan)

# RECIPIENTS OF MAJOR AFPC AWARDS

## RECIPIENTS OF THE AFPC AWARD FOR EXCELLENCE IN RESEARCH

### McNEIL AWARD

1982	Ron Coutts, University of Alberta
1983	John McNeill, University of British Columbia
1984	Kam Midha, University of Saskatchewan
1985	Basil Roufogalis, University of British Columbia
1986	Ed Knaus, University of Alberta
1987	Tony Noujaim, University of Alberta
1988	Len Wiebe, University of Alberta
1989	Mike Mezei*, Dalhousie University
1990	Mike Wolowyk*, University of Alberta
1991	James Axelson, University of British Columbia
1992	Ted Hawes, University of Saskatchewan
1993	Frank Abbott, University of British Columbia
1994	Fakhreddin Jamali, University of Alberta
1995	Sandy Pang, University of Toronto
1996	Peter O' Brien, University of Toronto

### JANSSEN-ORTHO AWARD

1997	Gail Bellward, University of British Columbia
1998	Len Wiebe, University of Alberta
1999	Jack Diamond, University of British Columbia
2000	Sid Katz, University of British Columbia
2001	Jack Uetrech, University of Toronto
2002	Thérèse Di Paolo-Chenevert, Université Laval
2003	Ed Knaus, University of Alberta
2004	John McNeill, University of British Columbia

### PFIZER RESEARCH CAREER AWARD

2005	Raymond Reilly, University of Toronto
2006	Helen Burt, University of British Columbia
2007	Thomas Einarson, University of Toronto
2008	Kishor Wasan, University of British Columbia
2009	Murray Krahn, University of Toronto
2010	Ingrid Sketris, Dalhousie University



## **RECIPIENTS OF THE AFPC BRISTOL-MYERS SQUIBB NATIONAL AWARD FOR EXCELLENCE IN EDUCATION**

1995	Cheryl Cox, University of Alberta
1996	David Fielding, University of British Columbia
1997	Kristin Janke, Dalhousie University
1998	not awarded
1999	not awarded
2000	Pat Farmer, Susan Mansour, Anne Marie Whelan, Dalhousie
2001	Zubin Austin, University of Toronto
2002	Claude Mailhot, Université de Montréal
2003	Simon Albon, University of British Columbia
2004	Jean-Louis Brazier, Université de Montréal
2005	Andrea Cameron and Lesley Lavack, University of Toronto
2006	Steve McQuarrie and John Mercer, University of Alberta
2007	Louise Mallet, Université de Montréal
2008	Not Awarded
2009	David Gardner, Dalhousie University
2010	Marie-Claude Vanier, Université de Montréal

## **RECIPIENTS OF THE AFPC NEW INVESTIGATOR AWARD**

### **UPJOHN-AFPC New Investigator Award**

1993	Jacques Turgeon, Université Laval
1994	Robert Foster, University of Alberta
1995	Wendy Duncan-Hewitt, University of Toronto
1996	D. Hampson, University of Toronto

### **ASTRA PHARMA - AFPC New Investigator Award**

1997	Frank Burczynski, University of Manitoba
1998	R. Macgregor, University of Toronto
1999	S. Wu, University of Toronto

### **ASTRAZENECA – AFPC New Investigator Award**

2000	Hu Liu, Memorial University of Newfoundland
2001	David Wishart, University of Alberta
2002	Kishor Wasan, University of British Columbia
2003	Jean-Christophe Leroux, Université de Montréal
2004	Pierre Moreau, Université de Montréal
2005	Heather Boon, University of Toronto
2006	Christine Allen, University of Toronto
2007	Zubin Austin, University of Toronto

2008 Frédéric Calon, Université Laval  
**sanofi-aventis – AFPC New Investigator Award**

2009 Afsaneh Lavasanifar, University of Alberta  
2010 Olivier Barbier, Université Laval

### **ROCHE GRADUATE STUDENT RESEARCH AWARD**

1997 Diane Jette, University of Alberta  
1998 Rajesh Krishna, University of British Columbia  
1999 Jean François Bouchard, Université de Montréal  
2000 Mark Lomaga, University of Toronto  
2001 Amgad Habeeb, University of Alberta

### **GLAXOSMITHKLINE GRADUATE STUDENT RESEARCH AWARD**

2002 Erica Rosemond, University of Toronto  
2003 Huy H. Dao, Université de Montréal  
2004 Thomas Chacko Pulinilkunnil, University of British Columbia  
2005 Shirley Teng, University of Toronto  
2006 Lichuan Liu, University of Toronto  
2007 Patrick Ronaldson, University of Toronto  
2008 Marie Lordkipanidzé, Université de Montréal  
2009 Carl Julien, Université Laval  
2010 Melissa Cheung, University of Toronto

### **CANADIAN FOUNDATION FOR PHARMACY GRADUATE STUDENT AWARD FOR PHARMACY PRACTICE RESEARCH**

2009 Marie Lordkipanidzé, Université de Montréal  
2010 Ani Byrne, University of Toronto

## **WAL MART CANADA FUTURE ACADEMIC LEADER AWARDS**

- 2008 Jennifer Beales (Toronto), Kelly Anne Grindrod (British Columbia),  
Stephanie Lucas (Dalhousie), Cynthia Lui (Manitoba), Véronique Michaud  
(Montréal)
- 2009 Nina Boucher (Laval), Judith Fisher (Toronto), Diala Harb (Montréal),  
Jason Kielly (Memorial), Marie Lordkipanidzé (Montréal), Shanna  
Trenaman (Dalhousie).

## **AFPC NATIONAL PHARMACY STUDENT RESEARCH POSTER AWARDS**

- 2008 Mélanie Bousquet (Laval), Danny Costantini (Toronto), JR Colin Enman  
(Dalhousie), Daryl Fediuk (Manitoba), Sherif Hanafy Mahmoud (Alberta),  
Vincent Nichols (Montréal), Manhar Powar (British Columbia), Mohamed A.  
Shaker (Memorial), Tara Smith (Saskatchewan).
- 2009 Abeer Ahmed (Memorial), Aws Alshamsan (Alberta), Charles Au (British  
Columbia), Étienne Audet-Walsh (Laval), Graham Brown (Saskatchewan),  
Mark Chambers (Dalhousie), Kelvin KW Hui (Toronto), Maud Pinier  
(Montréal), Ousama M Rachid (Manitoba).
- 2010 Ahmed S. Abdelmoneim (Manitoba), Marie-Ève Bédard-Dufresne (Montréal),  
Niladri Chattopadhyay (Toronto), Dalia Amr Hamdy El Sayed (Alberta),  
Melissa Hawkins (Dalhousie), Sandy YH Lu (British Columbia), Nicolas Morin  
(Laval), Nafiseh Nafissi (Waterloo), Ravi Shankar Prasad Singh  
(Saskatchewan), Meghan Wall (Memorial).

## **MERCK FROSST CANADA LTD POSTGRADUATE PHARMACY FELLOWSHIP AWARD**

- 2008 Antonia Tsallas (British Columbia)
- 2009 Antonia Tsallas (British Columbia)
- 2010 Erin Yakiwchuk, University of Saskatchewan

## **RECIPIENTS OF THE AFPC AWARD OF RECOGNITION FOR OUTSTANDING SUPPORT OF AFPC**

1991	Fares Attalla
1992	Canadian Foundation for Pharmacy
1993	Jean-Guy Cyr
1994	Carl Trinca
1995	Yves Chicoine
1996	Pierre Bois
1997	Jeff Poston
1998	Gerald Duncan
1999	not awarded
2000	Ginette Bernier
2001	Richard Penna
2002	not awarded
2003	not awarded
2004	not awarded
2005	Walter Masanic
2006	Not awarded
2007	Not awarded
2008	Not awarded
2009	Not awarded
2010	Not awarded

## RECIPIENTS OF THE AFPC SPECIAL SERVICE AWARD

1992	Keith McErlane
1993	Helen Burt
1994	UBC Host Committee, 1993 AFPC Biotechnology Conference
1995	Ernst Stieb
1996	Pauline Beaulac
1997	not awarded
1998	not awarded
1999	not awarded
2000	not awarded
2001	Bernard Riedel, Ernst Stieb
2002	Wayne Hindmarsh, Jim Blackburn
2003	David Hill
2004	not awarded
2005	not awarded
2006	not awarded
2007	not awarded
2008	not awarded
2009	not awarded
2010	Simon Albon, Susan Mansour, Sylvie Marleau

## AFPC HONOURED LIFE MEMBERS

*A.W. Matthews, Toronto, Ont., 1946-52, 1967	* G. Myers	Edmonton, AB 1989
*G.T. Cunningham Vancouver, B.C. 1947	*J. Ryan	Halifax, NS 1989
J.G. Richard Montréal, Quebec 1957	*F. Teare	Toronto, Ontario 1990
*J.R. Kennedy Toronto, Ontario 1959	K. James	Halifax, NS 1990
*A.F. Larose Montréal, Quebec 1960	G. Duff	Halifax, NS 1991
*J.I. MacKnight Halifax, NS 1964	*A. Noujaim	Edmonton, AB 1993
*J.E. Cooke Halifax, NS 1965	*M. Mezei	Halifax, NS 1994
*R. Larose Montréal, Quebec 1965	B. Schnell	Saskatoon, Sask. 1995
*R.C. Cary Toronto, Ontario 1966	G. Nairn	Toronto, Ontario 1995
*G.L. Webster Chicago, Illinois 1969	E. Stieb	Toronto, Ontario 1995
*J. Antonin Marquis Quebec, Quebec 1969	R. Coutts	Edmonton, AB 1996
*F.N. Hughes Toronto, Ontario 1973	A. Shysh	Edmonton, AB 1996
*Mrs. I. Stauffer Toronto, Ontario 1974	J. Steele	Winnipeg, MB 1996
*H.J. Fuller Toronto, Ontario 1974	I. Abraham	Halifax, NS 1998
*L.G. Elliott Montréal, Quebec 1974	P. Beaulac	Montréal, Quebec 1998
A. Archambault Montréal, Quebec 1975	F. Chandler	Halifax, NS 1998
*J.E. Halliday Vancouver, B.C. 1978	P. Farmer	Halifax, NS 1998
*G.C. Walker Toronto, Ontario 1979	R. Tawashi	Montréal, Quebec 1998
*M.J. Huston Edmonton, AB 1979	Gilles Barbeau	Québec City, QC, 2000
*A.J. Anderson Edmonton, AB 1980	Robert Goyer	Montréal, QC, 2000
*G.R. Paterson Toronto, Ontario 1980	Ted Hawes	Saskatoon, SK, 2000
*J.R. Murray Winnipeg, MB 1981	Gaston Labrecque	Québec City, QC, 2000
*J.J. O'Mara St. John's, NF 1981	Pierre-Paul LeBlanc	Québec City, QC, 2000
J.A. Wood Saskatoon, SK 1982	Dick Moskalyk	Edmonton, AB, 2000
L.G. Chatten Edmonton, AB 1983	James Orr	Vancouver, BC, 2000
F. Morrison Vancouver, B.C. 1983	Jacques Dumas	Québec QC 2001
*S.K. Sim Toronto, Ontario 1984	John Bachynsky,	Edmonton, AB, 2002
*J.G. Jeffrey Saskatoon, SK 1984	Don Lyster,	Vancouver, BC 2002
*D.J. Stewart Toronto, Ontario 1984	John Sinclair,	Vancouver, BC 2002
*R.M. Baxter Toronto, Ontario 1985	John Templeton,	Winnipeg MB 2002
B.E. Riedel Vancouver, B.C. 1985	Frank Abbott,	Vancouver, BC 2003
P. Claveau Laval, Quebec, QC 1986	Jacques Gagne	Montréal, QC 2004
*D. Zuck Saskatoon, SK 1986	John McNeill	Vancouver, BC 2004
*G.E. Hartnett Saskatoon, SK 1986	Gail Bellward	Vancouver, BC 2004
*J.L. Summers Saskatoon, SK 1986	Peter O'Brien	Toronto, ON 2004
R. Bilous Winnipeg, MB 1987	Leonard Wiebe	Edmonton, AB 2005
L. Stephens-Newsham Edmonton, AB 1987	Colin Briggs	Winnipeg, MB 2005
T.H. Brown Vancouver, B.C. 1987	Joan Marshman	Toronto, ON 2005
*A.M. Goodeve Vancouver, B.C. 1987	Jim Blackburn	Saskatoon, SK 2006
*J.O. Runikis Vancouver, B.C. 1987	Keith McErlane	Vancouver, BC 2006
R. Plourde Montréal, Quebec 1987	Ed Knaus	Edmonton, AB 2008
*J.G. Moir Vancouver, B.C. 1988	Thomas Einarson	Toronto, ON 2008

## AFPC HONOURED LIFE MEMBERS - continued

Pierre Belanger	Quebec, QC, 2009	
Marguerite Yee	Vancouver, BC, 2010	

\* Deceased

## ANNUAL MEETINGS AND OFFICERS

### C.C.P.F (1944-1969) A.F.P.C. (1970- 2006)

<b>YEAR</b>	<b>PLACE</b>	<b>PAST CHAIRMAN</b>	<b>CHAIRMAN</b>	<b>VICE CHAIRMAN</b>	<b>SEC/TRES*</b>	<b>Assist.SEC</b>
1944(1)	Toronto		E.L. Woods		F.N. Hughes	
1945(2)	Bigwin Inn		E.L. Woods	R.O. Hurst	F.N. Hughes	
1946(3)	Toronto		E.L. Woods	R.O. Hurst	F.N. Hughes	
1947(4)	Vancouver	E.L. Woods	R.O. Hurst	D. McDougall	F.N. Hughes	
1948(5)	Windsor	E.L. Woods	R.O. Hurst	D. McDougall	F.N. Hughes	J.G. Jeffrey
1949(6)	Saskatoon	R.O. Hurst	M.J. Huston	J.A. Marquis	F.N. Hughes	J.G. Jeffrey
1950((7)	Montreal	M.J. Huston	J.A. Marquis	W.C. MacAulay	F.N. Hughes	J.G. Jeffrey
1951(8)	Calgary	J.A. Marquis	W.C. MacAulay	F.N. Hughes	D.H. Murray	
1952(9)	Toronto	W.C. MacAulay	F.N. Hughes	D. McDougall	D.H. Murray	
1953(10)	Winnipeg	F.N. Hughes	D. McDougall	A.F. Larose	D.H. Murray	
1954(11)	Halifax	D. McDougall	A.F. Larose	A.W. Matthews	G.C. Walker	
1955(12)	Vancouver	A.F. Larose	A.W. Matthews	J.E. Cooke	G.C. Walker	
1956(13)	Ottawa	A.W. Matthews	J.E. Cooke	R. Larose	G.C. Walker	
1957(14)	Montreal	J.E. Cooke	R. Larose	G.C. Walker	R.M. Baxter	
1958(15)	Edmonton	R. Larose	G.C. Walker	B.E. Riedel	R.M. Baxter	
1959(16)	Saint John	G.C. Walker	B.E. Riedel	J.G. Jeffrey	R.M. Baxter	
1960(17)	Saskatoon	B.E. Riedel	J.G. Jeffrey	F.A. Morrison	G.R. Paterson	
1961(18)	Hamilton	J.G. Jeffrey	F.A. Morrison	J.R. Murray	G.R. Paterson	
1962(19)	Vancouver	F.A. Morrison	J.R. Murray	R.M. Baxter	G.R. Paterson	
1963(20)	Winnipeg	J.R. Murray	R.M. Baxter	A. Archambault	A.J. Anderson	
1964(21)	Halifax	R.M. Baxter	A. Archambault	J.G. Duff	A.J. Anderson	
1965 (22)	Calgary	A. Archambault	J.G. Duff	G.R. Paterson	A.J. Anderson	
1966(23)	Saint John	J.G. Duff	G.R. Paterson	J.E. Halliday	W.R. Wensley	
1967(24)	Toronto	G.R. Paterson	J.E. Halliday	J.A. Wood	James/Goodeve**	Goodeve/Wood
1968(25)	Regina	J.E. Halliday	J.A. Wood	B.E. Riedel	J.G. Nairn	A.M. Goodeve
1969(26)	St. John's	J.A. Wood	B.E. Riedel	J.A. Mockle	J.G. Nairn	A.M. Goodeve
1970(27)***	Vancouver	B.E. Riedel	F.N. Hughes	J. Tremblay	J.G. Nairn	A.M. Goodeve
1971(28)	Winnipeg	F.N. Hughes	J.G. Nairn	P. Claveau	R.E. Moskalyk	A.M. Goodeve
1972(29)	Edmonton	J.G. Nairn	P. Claveau	A.M. Goodeve	R.A. Locock	O'Reilly/H.J. Segal
1973(30)	Halifax	P. Claveau	A.M. Goodeve	E.W. Stieb	R.F. Chandler	H.J. Segal



<b>YEAR</b>	<b>PLACE</b>	<b>PAST CHAIRMAN</b>	<b>CHAIRMAN</b>	<b>VICE CHAIRMAN</b>	<b>SEC/TRES*</b>	<b>RECORDING SEC.</b>
1974(31)	Ottawa	A.M. Goodeve	E.W. Stieb	G.E. Hartnett	R.F. Chandler	H.J. Segal/IL.I. Wiebe
1975(32)	Montréal	E.W. Stieb	G.E. Hartnett	J.W. Steele	K.W. Hindmarsh	R.M. Gentles/L. Goodeve
1976(33)	Saskatoon	G.E. Hartnett	J.W. Steele	W.E. Alexander	K.W. Hindmarsh	C.J.Briggs
		<b>PAST PRESIDENT</b>	<b>PRESIDENT</b>	<b>PRESIDENT ELECT</b>		
1977(34)	Charlottetown	J.W. Steele	W.F. Alexander	K.W. Hindmarsh	F.W. Teare	C.J.Briggs
1978(35)	Victoria	W.E. Alexander	K.W. Hindmarsh	F.W. Teare	W.A. Parker	C.J.Briggs
					<b>EXECUTIVE DIRECTOR</b>	
1979(36)	Sarnia	K.W. Hindmarsh	F.W. Teare	R.E. Moskalyk	J.A. Wood****	E.M. Hawes
1980(37)	Calgary	F.W. Teare	R.E. Moskalyk	C.J.Briggs	J.A. Wood	E.M. Hawes
1981(38)	Winnipeg	R.E. Moskalyk	C.J.Briggs	M. Mezei	J.A. Wood	E.M. Hawes
1982(39)	Ottawa	C.J. Briggs	M. Mezei	J.L. Summers	J.A. Wood	K.M. McLane
1983(40)	Montréal	M. Mezei	J.L. Summers	R. Tawashi	A.M. Goodeve	K.M. McLane
1984(41)	Vancouver	J.L. Summers	R. Tawashi	J. Gagné	A.M. Goodeve	K.M. McLane
1985(42)	Halifax	R. Tawashi	J. Gagné	J.Bachynsky	A.M. Goodeve	K.M. McLane
1986(43)	Québec	J. Gagné	J.Bachynsky	K. Simons	K.M. McLane	H.M.Burt
1987(44)	Jasper	J.Bachynsky	K. Simons	F. Chandler	K.M. McLane	H.M.Burt
1988(45)	Saint John	K. Simons	F. Chandler	S.M. Wallace	K.M. McLane	H.M.Burt
1989(46)	Portland	F. Chandler	S.M. Wallace	P.Beaulac	K.M. McLane	H.M.Burt
1990(47)	Regina	S.M. Wallace	P.Beaulac	H.M.Burt	K.M. McLane	M. Greer
1991(48)	St. John's	P.Beaulac	H.M.Burt	M. Spino	K.M. McLane	M. Greer
1992(49)	Winnipeg	P. Beaulac	H.M. Burt	M. Greer	K. Moody	J. Louvelle
1993(50)	Vancouver	H.M. Burt	M. Greer	R. Coutts	K. Moody	J. Louvelle
1994(51)	Charlottetown	H.M. Burt	M. Greer	R. Coutts	K. Moody	J.L. Glennie
1995(52)	Montréal	M. Greer	R. Coutts	J.L Blackburn	K. Moody	J.L. Glennie
1996(53)	Calgary	M. Greer	R. Coutts	J.L Blackburn	K.A. Ready	C.J. Turner
1997(54)	Vancouver	R. Coutts	J.L Blackburn	D. Perrier	K.A. Ready	C.J. Turner/K.A. Ready
1998( 55)	St. John's	J. L. Blackburn	D. Perrier	C.J. Turner/I. Sketris	K.A. Ready	K.A. Ready
1999 (56)	Québec City	D. Perrier	I. Sketris	D. Hill	K. Ready/J. Blackburn	
2000 (57)	Saskatoon	I. Sketris	D. Hill	D. Fielding	J.L. Blackburn	
2001 (58)	Ottawa	D. Hill	D. Fielding	A.J. Rémillard	J.L. Blackburn	
2002 (59)	Winnipeg	D. Fielding	A.J. Rémillard	L. Vercaigne	J.L. Blackburn	
2003 (60)	Montréal	A. J. Rémillard	L. Vercaigne	S. Mansour	J.L. Blackburn	
2004 (61)	Vancouver	L. Vercaigne	S. Mansour	S. Marleau	F. Abbott	
2005 (62)	Saskatoon	S. Mansour	S. Marleau	Z. Austin	F. Abbott	
2006 (63)	Edmonton	S. Marleau	Z. Austin	A. M. Whelan	F. Abbott	
2007 (64)	Montreal	Z. Austin	A. M. Whelan	S. Albon	F. Abbott	
2008 (65)	Chicago	A. M. Whelan	S. Albon	R. Dobson	F. Abbott	
2009 (66)	Halifax	S. Albon	R. Dobson	M. Namaka	F. Abbott	
2010 (67)	Richmond	R. Dobson	M. Namaka	L. Raman-Wilms	F. Abbott	

\* This office ceased to exist after the 1978 meeting.

\*\*This office was assumed by A.M. Goodeve in the Spring of 1967 due to the sudden illness of K.M. James. \*\*\*Officers of the new organization, AFPC, assumed their offices on January 1, 1970, after a mail ballot.

The officers of 1968-69 served in the interim after the 1969 meeting. \*\*\*\* J.A. Wood was Executive Director from 1977-1982.

**The following pages contain an overview of**

**The Activities of the**

**Association of Faculties of Pharmacy of Canada**

**During the Period**

**July 1, 2009 to June 30, 2010**

# **PART 1.0**

**67<sup>TH</sup> AFPC ANNUAL CONFERENCE**

**HELD**

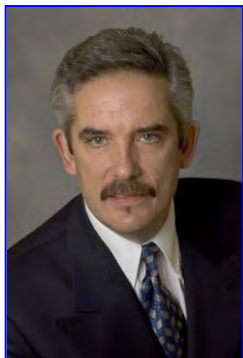
**RICHMOND, BRITISH COLUMBIA**

**June 2-4, 2010**

## Table of Contents

	Page
Welcome from Simon Albon, Conference Chair .....	21
Welcome from Mike Namaka, AFPC President .....	22
Welcome from Dr. Robert Sindelar, Dean, UBC Faculty of Pharmaceutical Sciences .....	23
AFPC CPERC 2010 Planning Committee.....	24
AFPC Executive and Council .....	26
Dinner Cruise Information .....	28
Conference Program .....	29
River Rock Casino Resort Facility Map .....	36
Award Winners .....	38
Conference Sessions and Speaker Information .....	46
Posters.....	68
Exhibitors.....	83
Sponsors .....	84

## Welcome from Simon Albon Chair, AFPC CPERC 2010 Planning Committee



Dear AFPC Members, Conference Delegates and Visitors:

On behalf of the AFPC Conference Planning Committee it is my pleasure to welcome you to Vancouver and the River Rock Casino Resort in Richmond for the 67<sup>th</sup> Annual General Meeting and Conference of AFPC and the inaugural Canadian Pharmacy Education and Research Conference (CPERC). I would also like to welcome colleagues, conference delegates and visitors attending the concurrent Canadian Society for Pharmaceutical Sciences (CSPS) meeting. Since the last joint AFPC/CSPS meeting in Montreal in 2007, the Canadian health care landscape has presented an almost unprecedented spectrum of challenges and opportunities for pharmaceutical research, education and professional practice. The University of British Columbia, Faculty of Pharmaceutical Sciences is honoured to host this joint meeting and to provide an exciting array of programming opportunities to explore, discuss and debate the emergent and important issues that impact us today.

The theme of AFPC's CPERC 2010, "Bringing the Blueprint to Life" is a particularly important and timely one. The "Blueprint for Pharmacy," the national initiative of the Canadian Pharmacists Association and endorsed by all sectors of pharmacy in Canada, sets out a long-term vision and implementation plan intended to strengthen and realign the profession's social responsibility and scope of practice with the health care needs of Canadians. The Blueprint's goals emphasize "optimal drug therapy outcomes for Canadians through patient-centred care" and that "the *status quo* is not an option." What should practice models look like in the Blueprint era? What does this mean for pharmacy programs? What knowledge, skills and values are appropriate for Blueprint graduates? Will Blueprint faculty members require new knowledge and skill sets? Academic pharmacy, through AFPC and ADPC, has been identified as a lead organization for implementing educational change in the Blueprint era. The inaugural CPERC program, through carefully selected plenary talks, workshops, break-out sessions, poster presentations and our research symposium, is intended to explore many of these questions as well as open up others for discussion and critical analysis. The intent is to initiate new and share existing Blueprint conversations relevant to home institutions as well as support the AFPC/ADPC mandate for leadership in educational change. I hope you will enjoy this experience, and take full advantage of what the CPERC 2010 has to offer: the opening reception and awards dinner, conference programming, the annual general meeting, exhibits, the closing banquet cruise around Vancouver harbour and Skytrain access to downtown Vancouver and surrounding area. Take the time to meet old and new friends from across Canada, celebrate our successes and accomplishments, and explore our "Olympic" city.

In closing, I must thank the incredible group of colleagues and volunteers on the local conference planning committee. It has been a pleasure working with you and I thank you for your commitment to the success of this conference. I would also like to thank our numerous sponsors who have made this event possible. On behalf of the CPERC 2010 Planning Committee, we are thrilled to have you here and hope you leave reenergized!!

Sincerely,

A handwritten signature in blue ink that reads "Simon Albon". The signature is fluid and cursive, written in a professional style.

Simon P. Albon, BSc, MSc  
Chair, AFPC CPERC 2010 Planning Committee

## Welcome from Mike Namaka AFPC President



Dear AFPC members, Conference Delegates and Visitors.

Welcome to Vancouver for the AFPC- First Annual Canadian Pharmacy Education and Research Conference (CPERC) held jointly with the Canadian Society for Pharmaceutical Sciences (CSPS) meeting. The theme for the 2010 conference is “Bringing the Blue Print to Life.” The “Blueprint for Pharmacy,” a national initiative endorsed by all sectors of pharmacy in Canada emphasizing “optimal drug therapy outcomes for Canadians through patient-centred care,” will redefine and create new pharmacy practice models based on key changes to undergraduate educational programs. Academic pharmacy, through AFPC and ADPC, has been identified as a lead organization for implementing educational change in the Blueprint era and for providing Blueprint graduates with the advanced knowledge, skills and values that are appropriate to their new scope of practice. The inaugural CPERC program, through its plenary talks, workshops, break-out sessions, poster presentations and research symposium, is intended to explore many of the critical questions and issues raised in the Blueprint vision and implementation plan. Although pharmacists are recognized drug experts, the drug is merely a vehicle which pharmacists use to deliver the desired health care outcomes with the primary focus being the patients. The recent advancements in inter- and intra-professional education solidify the importance that the profession of pharmacy has in the complete delivery of health care that is well aligned with the Blueprint. CPERC 2010 will allow us the opportunity to reflect on the previous advancements of the profession and identify current priorities that will form the foundation for change in pharmacy education and scholarship that will redefine pharmacy practice in accordance to the concepts outlined in the Blueprint.

On behalf of the entire Association, I would like to thank the Vancouver organizing committee, and in particular Simon Albon, for their hard work in organizing this meeting. We are privileged to be able to share our conference with CPERC & CSPS and I look forward to the dialogue that such joint meetings foster.

On a personal note, this meeting marks the end of my term as President of your Association. It has been a privilege to have worked with the council on a variety of key issues involved in pharmacy education that will advance our profession to a whole new era of pharmacy practice. AFPC's leadership in finalizing a new set of educational outcomes and competencies will add new dimensional depth to pharmacy practice resulting in a new standard of patient centered care.

The incoming President Dr Lalitha Raman-Wilms will continue this momentum, and I look forward to working with her in the future. I would also like to thank Dr Frank Abbott, our Executive Director. Dr Abbott's tireless efforts on behalf of the organization, his organizational skills and above all his sense of humour have been invaluable to our organization. I would also like to express my warmest wishes to Dr Abbott on his retirement from AFPC. On behalf of the Association, I would also like to extend a warm welcome to the incoming Executive Director Harold Lopatka from the University of Alberta whose motivation and leadership will ensure the future success of AFPC. Enjoy your time in Vancouver and all the opportunities this wonderful city has to offer. Take time to reconnect with friends, colleagues, new and old acquaintances to celebrate the pharmacy profession.

Mike Namaka, President, AFPC

## Welcome from Dr. Robert Sindelar Dean of the Faculty of Pharmaceutical Sciences



Dear colleagues and friends:  
Chers collègues et amis:

On behalf of The University of British Columbia Faculty of Pharmaceutical Sciences, I welcome you to the 67<sup>th</sup> Annual Meeting of the Association of Faculties of Pharmacy of Canada (AFPC). I would also like to welcome the members of the Canadian Society for Pharmaceutical Sciences attending the concurrent symposium here in beautiful Richmond, British Columbia. The conference focus is “Bringing the Blueprint to Life” which reflects emerging and important issues in pharmacy education, experiential learning and pharmacy practice research that will make a profound difference for the continuing development of the profession. The meeting also offers you a good opportunity to build and enhance interactions among your academic and professional colleagues.

We hope that while you are here, you reenergize with the excellent and comprehensive educational program as well as get a chance to tour some of the spectacular natural wonders that are a part of Vancouver and the Lower Mainland. We’re very excited about this year’s speaker line-up, the information packed education program and an outstanding social agenda. It is truly an exciting time of unprecedented changes to practice and significant technological advances within the profession that will shape the future of pharmacy practice, pharmaceutical care and pharmaceutical discovery.

I wish to extend thanks to the Conference Organizing Committee, all the members of the sub-committees, and the many who contributed to assure the success of this conference. We are looking forward to the next few days of learning, networking, playing and growing.

Should you require any assistance during your stay in Vancouver, please do not hesitate to contact any of the UBC contingent. Again a warm welcome and best wishes for a highly successful conference.

Sincerely,

A handwritten signature in black ink that reads "Robert D. Sindelar". The signature is written in a cursive, flowing style.

Robert D. Sindelar, Ph.D.  
Professor and Dean



# AFPC CPERC 2010 Planning Committee



## **Conference Organizing Committee**

Chair: Simon Albon  
Frank Abbott

## **Conference Budget**

Robert Sindelar  
Frank Abbott

## **Program Planning Committee**

Chair: Simon Albon  
Marion Pearson  
David Fielding  
Ingrid Price  
Frank Abbott

## **Poster Session**

Chair: Wayne Riggs  
Stelvio Bandiera  
Adam Frankel

## **Social Events Committee**

Chair: Suzana Topic  
Linda Eccott  
Tessa Nicholl

## **Registration Desk and Conference Bags**

Co-Chairs: Colleen Brady & Tamiz Kanji

## **Conference Program**

Suzana Topic

## Looking Ahead to the 2011 CPERC in Winnipeg

**Conference Title:** “The Dynamic Nature of the Pharmacy Curriculum.”

### **Conference Description:**

The Faculty of Pharmacy at the University of Manitoba in Winnipeg will be hosting the Second Canadian Pharmacy Education and Research Conference (CPERC) on June 5-8, 2011. Arrangements are being made with The Fort Garry Hotel, Spa and Conference Centre, a national historic site in the heart of Winnipeg. The theme for the conference will be “The Dynamic Nature of the Pharmacy Curriculum.” Plenary sessions and workshops will focus on current initiatives across the country in curriculum evaluation and reform, interprofessional education and alternative opportunities for experiential and elective programs. Details will follow in an upcoming AFPC newsletter and will be posted on the AFPC website as they become available. Stay tuned and mark your calendars!

### **Hotel Information:**



### **The Fort Garry Hotel - A Winnipeg Hotel with Grand Style**

The Fort Garry Hotel is situated in the heart of downtown Winnipeg and is just minutes away from all major attractions. This historic Winnipeg hotel icon since 1913, designated as a national historic site, has set the standard for grandeur, elegance and fine cuisine unmatched anywhere in the city. As the former Grand Trunk Railway hotel and now in its ninth decade, the Fort Garry Hotel has survived two world wars, two city floods and the Winnipeg General Strike. Relax in one of the 246 spacious suites and guest rooms and rejuvenate in the

luxurious health spa, TenSpa, which offers a full complement of therapeutic treatments. The Fort Garry Hotel is the premier choice of knowledgeable travelers and conference goers. We look forward to seeing you in 2011!!

The Fort Garry Hotel - A Castle to Call Home  
Luxury Winnipeg Hotel and Bed and Breakfast in Manitoba

222 Broadway Ave.

Winnipeg, Manitoba

Canada R3C 0R3

Phone: 1 (204) 942-8251

Toll Free: 1 (800) 665-8088

FAX: 1 (204) 956-2351

E-Mail: [ftgarry@fortgarryhotel.com](mailto:ftgarry@fortgarryhotel.com)

Web: [www.fortgarryhotel.com](http://www.fortgarryhotel.com)

## **AFPC Executive and Council**

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# Harbour Cruises

**Dinner Cruise and AFPC Awards Banquet  
(tickets must be purchased separately)**

**DRESS: Business Casual. Please bring a jacket.**

**Friday June 4, 2010  
6:30-9:30pm**

17:15	Meet in River Rock Casino Resort Lobby
17:30	Bus Leaves River Rock Casino Resort
18:00	Begin boarding Paddlewheeler
18:30	Paddlewheeler leaves dock
19:00	Dinner
21:30	Return to Harbour Cruises dock
22:00	Bus leaves to return to River Rock Casino Resort

## Vancouver's Only Authentic Paddlewheeler



- Comfortable dinner seating for up to 115 passengers
- Two interior decks and one spacious exterior deck
- Hardwood dance floor on second deck
- Fully stocked “cash bar” on boarding deck
- Exterior sideseating

### Location:

Harbour Cruises Marina-  
501 Denman Street,  
Vancouver, BC, V6G 2W9



# AFPC – CPERC 2010 CONFERENCE

## Program

# First Annual Canadian Pharmacy Education and Research Conference (CPERC)

June 2-5, 2010  
River Rock Casino Resort (RRCR)  
Vancouver (Richmond), BC

The 2010 CPERC conference is being held in conjunction with the 13<sup>th</sup> Canadian Society for Pharmaceutical Sciences (CSPS) Annual Meeting.

## “Bringing the Blueprint to Life”

### CPERC PROGRAM

<b>Wednesday, June 2, 2010</b>		
8:00 – 17:00	<b>AFPC, PEP CANADA, CSPS AND CCCP BUSINESS MEETINGS</b> (joint coffee breaks & lunch)	Conference Centre
12:00 – 18:00	<b>EXHIBITOR SET-UP</b>	Theatre – Upper Floor Foyer
15:30 – 19:00	<b>REGISTRATION</b> (CPERC & CSPS Registration Desks)	Theatre – Lower Floor Foyer
17:30 – 19:00	<b>JOINT CPERC/CSPS WELCOME WINE &amp; CHEESE RECEPTION</b> Sponsored by Controlled Release Society	Theatre – Upper Floor Foyer
7:00 – 22:00	<b>CPERC OPENING DINNER &amp; AWARDS PRESENTATIONS BY FACULTY AWARD WINNERS</b>	Conference Centre – Fraser Room
<b>Thursday, June 3, 2010</b>		
7:30 – 17:00	<b>REGISTRATION</b> (CPERC & CSPS Registration Desks)	Theatre – Lower Floor Foyer
7:30 – 17:00	<b>EXHIBITORS</b>	Theatre – Upper Floor Foyer
7:30 – 8:30	<b>JOINT CPERC/CSPS CONTINENTAL BREAKFAST</b>	Theatre – Upper Floor Foyer in Exhibitor Area
8:00 – 18:30	<b>JOINT CPERC/CSPS POSTER PRESENTATIONS</b>	Theatre – Upper & Lower Floor Foyers
8:30 – 9:30	<b>JOINT CPERC/CSPS PLENARY SESSION</b> Sponsored by FMC Biopolymer	Whistler Ballrooms
<p><b>Keynote Speaker:</b> <b>Dr. Pieter Cullis</b>, University of British Columbia/CDRD, Vancouver, BC <b>“Lipid-Based Nanomedicines: Applications to Conventional Drugs and Genetic Drugs”</b></p>		

9:30 – 10:00	<b>BREAK AND POSTER VIEWING</b> <i>(following Break, CPERC Delegates Move to Conference Centre – Fraser Room/CSPS Delegates Continue in Whistler Ballrooms)</i>	Theatre – Upper & Lower Floor Foyers
10:00 – 12:00	<b>CPERC OPENING SESSION</b> <b>“Framework for the Future – Critical Perspectives on Pharmacy Education &amp; Practice”</b>  <b>Chair:</b> <b>Simon Albon</b> , BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Sciences  <b>Speakers:</b> <b>Robert A. Blouin</b> , PharmD, Professor and Dean, UNC Eshelman School of Pharmacy <b>“Patient Centered Care: Educating the Next Generation of Pharmacists”</b>  <b>Patricia (Paddy) Rodney</b> , RN, MSN, PhD, UBC School of Nursing <b>“Carrying the Blueprint Forward: Promoting Caring and Social Responsibility”</b>	Conference Centre – Fraser Room
12:00 – 14:00	<b>AFPC ANNUAL GENERAL MEETING &amp; LUNCHEON</b>	Conference Centre – Thompson Room
12:30 – 14:00	<b>AFPC/CSPS FIRST ANNUAL GRADUATE STUDENT TRAINEE LUNCHEON SESSION</b> <b>“Wayfinding in the Pharmaceutical Sciences – Challenges &amp; Rewards of an Academic”</b>  <b>Chairs:</b> <b>Sam Gilchrist</b> , PhD Candidate, UBC Faculty of Pharmaceutical Sciences, <b>Linda Tran</b> , PhD, UBC Faculty of Pharmaceutical Sciences	Whistler B
14:00 – 17:00	<b>CPERC WORKSHOP</b> <b>“Bringing the Blueprint to Life in Pharmacy Education”</b>  <b>Chair:</b> <b>Marion Pearson</b> , BSc(Pharm), MA, RPh, Senior Instructor, Director Entry-to-Practice Program, UBC Faculty of Pharmaceutical Sciences  <b>Workshop Facilitator:</b> <b>Barbara Gobis Ogle</b> , BSc(Pharm), ACPR, MScPhm, Director, Drug Use Optimization Branch, BC Ministry of Health Services	Conference Centre – Fraser Room
15:00 – 15:30	<b>AFTERNOON WORKING BREAK</b>	Theatre – Upper & Lower Floor Foyers



17:00 – 18:00	<b>JOINT AFPC/CSPS RECEPTION AND POSTER VIEWING</b> Sponsored by Merck Frosst Ltd.	Theatre – Upper & Lower Floor Foyers
Free Evening	<b>An Opportunity to Enjoy Vancouver! Jump on the Skytrain!</b>	

### Friday, June 4, 2010

7:00 – 8:20	<b>JOINT CSPS/AFPC GRADUATE STUDENT TRAINEE BREAKFAST SESSION – CAREER MENTORING</b>	Chairman’s Room
8:00 – 8:20	<b>JOINT CPERC/CSPS CONTINENTAL BREAKFAST</b>	Theatre – Upper Floor Foyer
8:00 – 16:00	<b>REGISTRATION</b> (CPERC & CSPS Registration Desks)	Theatre – Lower Floor Foyer
8:00 – 16:00	<b>EXHIBITORS</b>	Theatre – Upper Floor Foyer
8:00 – 16:00	<b>JOINT CPERC/CSPS POSTER PRESENTATIONS</b>	Theatre – Upper & Lower Floor Foyers
8:30 – 10:00	<b>CPERC OPENING SESSION</b> <b>“Supporting Intra-Professional Education &amp; Experiential Learning – Perspectives from CPTEA and PEPC”</b>	Conference Centre – Fraser Room
	<b>Chair:</b> <b>Lynda Eccott</b> , BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Sciences, Director of Interprofessional Programs, UBC College of Health Disciplines	
	<b>Speaker from the Canadian Pharmacy Technicians Educators Association (CPTEA):</b> <b>Beverley Stotz</b> , BSP, Nova Scotia Community College <b>“Pharmacy and Pharmacy Technician Students Working Together”</b>	
	<b>Speakers from Pharmacy Experiential Programs of Canada (PEP Canada):</b> <b>Cheryl Cox</b> , BSP, MBA, Experiential Education Coordinator, Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta <b>Adrienne J. Lindblad</b> , BSP, BSc, ACPR, PharmD, Clinical Practice Leader, Alberta Health Services <b>“Five Students: One Preceptor – Collaboration to Support Experiential Education”</b>	
10:00 – 10:30	<b>BREAK AND POSTER VIEWING</b>	Theatre – Upper & Lower Floor Foyers
10:30 – 12:00	<b>CPERC BREAKOUT SESSIONS</b> <b>“Blueprint Pedagogies : Educating Medication Experts for a Changing Profession”</b> (4 Concurrent Sessions)	Conference Centre

**BREAKOUT SESSION 1:**

**"Faculty Recruitment: Preparing for the Blueprint and Ensuring the Right Knowledge, Skills, and Values Mix"**

Conference Centre  
– Thompson Room

**Mary H.H. Ensom**, Pharm.D., FASHP, FCCP, FCSHP, FCAHS, Professor and Director, Doctor of Pharmacy Program, UBC Faculty of Pharmaceutical Sciences

**Simon P. Albon**, BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Sciences

**James P. Kehrer**, Ph.D., Professor and Dean, University of Alberta, Faculty of Pharmacy and Pharmaceutical Sciences

**BREAKOUT SESSION 2:**

**"Identifying and Mapping Pharmacy-related Interprofessional Learning Activities onto a Curriculum Framework using a world café discourse"**

Conference Centre  
– Fraser Room

**Lynda Eccott**, BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Sciences, Director of Interprofessional Curriculum, UBC College of Health Disciplines

**Donna Drynan**, M.Ed., OT(C), Clinical Associate Professor & Academic Fieldwork Coordinator, UBC Department of Occupational Sciences and Occupational Therapy, Director of Practice Education, UBC College of Health Disciplines

**Lesley Bainbridge**, BRS (PT), MEd, PhD, Associate Principal of the College of Health Discipline, Director of Interprofessional Education in the Faculty of Medicine

**Victoria Wood**, MA, Project Coordinator, UBC College of Health Disciplines

**BREAKOUT SESSION 3:**

**"Enhancing Learning and Assessment in Pharmacy Programs through Peer Teaching"**

Conference Centre  
– Capilano & Birkenhead Rooms

**Marion Pearson**, BSc(Pharm), MA, RPh, Senior Instructor, Director, Entry-to-Practice Program, UBC Faculty of Pharmaceutical Sciences

**Colleen Brady**, BSc(Pharm), RPh, Lecturer, UBC Faculty of Pharmaceutical Sciences

**Tessa Nichol**, BSc, BSc(Pharm), MSc, RPh, ACPR, Lecturer, UBC Faculty of Pharmaceutical Sciences

**BREAKOUT SESSION 4:**

**"Developing a Program Evaluation for Canadian Faculties of Pharmacy"**

Conference Centre  
– Lillooet Room

**Ingrid Price**, PhD, Senior Instructor, UBC Faculty of Pharmaceutical Sciences

12:00 – 13:30

**BOX LUNCH: CPERC/CSPS POSTER VIEWING AND JUDGING**

Theatre – Upper & Lower Floor Foyers

13:30 – 14:00	<p><b>AFPC STUDENT AWARD WINNER PRESENTATIONS</b>  <b>Chair:</b> Lalitha Raman-Wilms, BSc(Pharm), PharmD, FCSHP, Associate Professor and Director, Division of Pharmacy Practice, University of Toronto Leslie Dan Faculty of Pharmacy</p> <p><b>Award:</b> Canadian Foundation for Pharmacy-AFPC Graduate Student Award for Pharmacy Practice Research  <b>Student Winner &amp; Speaker: Ani Byrne</b>, BAS (hons), MSc, University of Toronto, Leslie Dan Faculty of Pharmacy</p> <p><b>Award:</b> GlaxoSmithKline-AFPC Graduate Student Research Award  <b>Student Winner &amp; Speaker: Melissa Carmen Cheung</b>, BSc, PhD Candidate, University of Toronto, Leslie Dan Faculty of Pharmacy</p>	Conference Centre – Fraser Room
14:00 – 17:00	<p><b>CPERC RESEARCH SYMPOSIUM</b>  <b>“Foundations for the Future – Shaping Practice through Research”</b></p> <p><b>Chair:</b> David Fielding, EdD, Professor and Associate Dean, Academic Affairs, UBC Faculty of Pharmaceutical Sciences</p> <p><b>Speakers:</b>  <b>Ross T. Tsuyuki</b>, BSc(Pharm), PharmD, MSc, FCSHP, FACC, University of Alberta  <b>“The Blueprint is Nice, But Are Pharmacists Ready For It?”</b></p> <p><b>Kelly Grindrod</b>, BScPharm, ACPR, PharmD, MSc, Post-Doctoral Fellow, UBC Faculty of Pharmaceutical Sciences  <b>“Pharmacists’ Preferences for Providing New Services”</b></p> <p><b>Carlo Marra</b>, BSc(Pharm), PharmD, Ph.D., FCSHP, Associate Professor and Director, CORE, UBC Faculty of Pharmaceutical Sciences  <b>“Adaptation in B.C. – How Did Pharmacists Do and Did Physicians Like It?”</b></p> <p><b>Suzanne C. Malfair Taylor</b>, BSc(Pharm), ACPR, PharmD, BCPS, FCSHP, Executive Director, Drug Use Optimization Branch, BC Ministry of Health Services  <b>“Government Perspective on Pharmacy Practice: The Scoop on Scope”</b></p>	Conference Centre – Fraser Room
15:00 – 15:30	<b>AFTERNOON BREAK</b>	Theatre – Upper & Lower Floor Foyer
17:30	<b>BUS LEAVES FOR DOWNTOWN VANCOUVER &amp; DINNER CRUISE</b>	River Rock Casino Resort Front Lobby

18:30 – 21:30 **DINNER CRUISE AND CPERC-AFPC AWARDS BANQUET**  
Cruising Coal Harbour, Stanley Park and False Creek  
(transport back to RRCR by bus or Skytrain)

**Saturday, June 5, 2010**

9:00 – 12:00 **CSPS CLOSING SESSION**

Whistler B

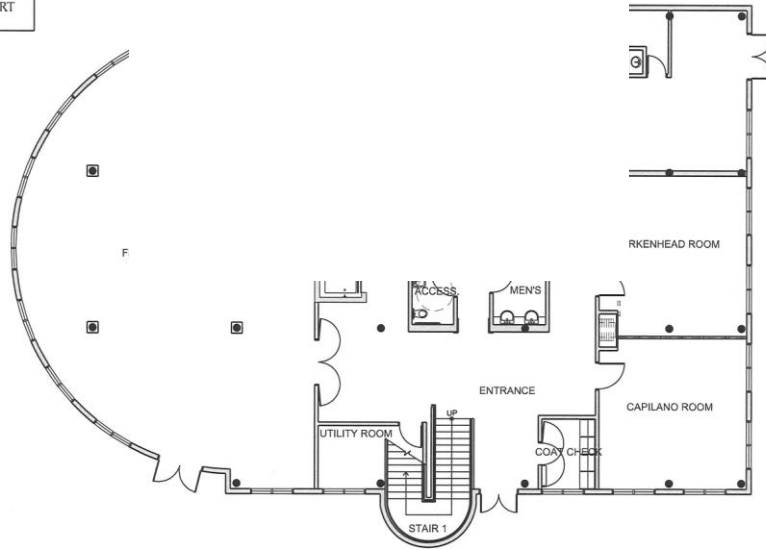
9:00 – 12:00 **AFPC NEW COUNCIL MEETING**

Conference Centre –  
Lillooet Room

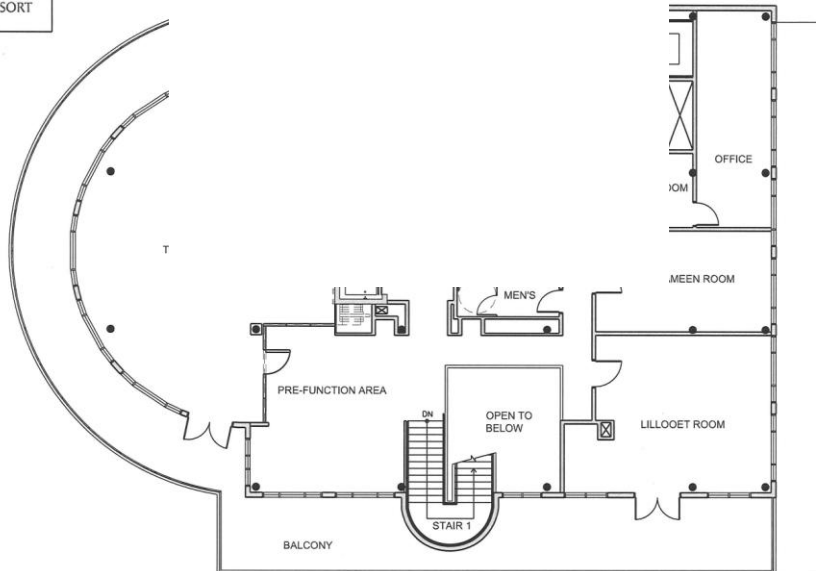
# River Rock Convention Centre



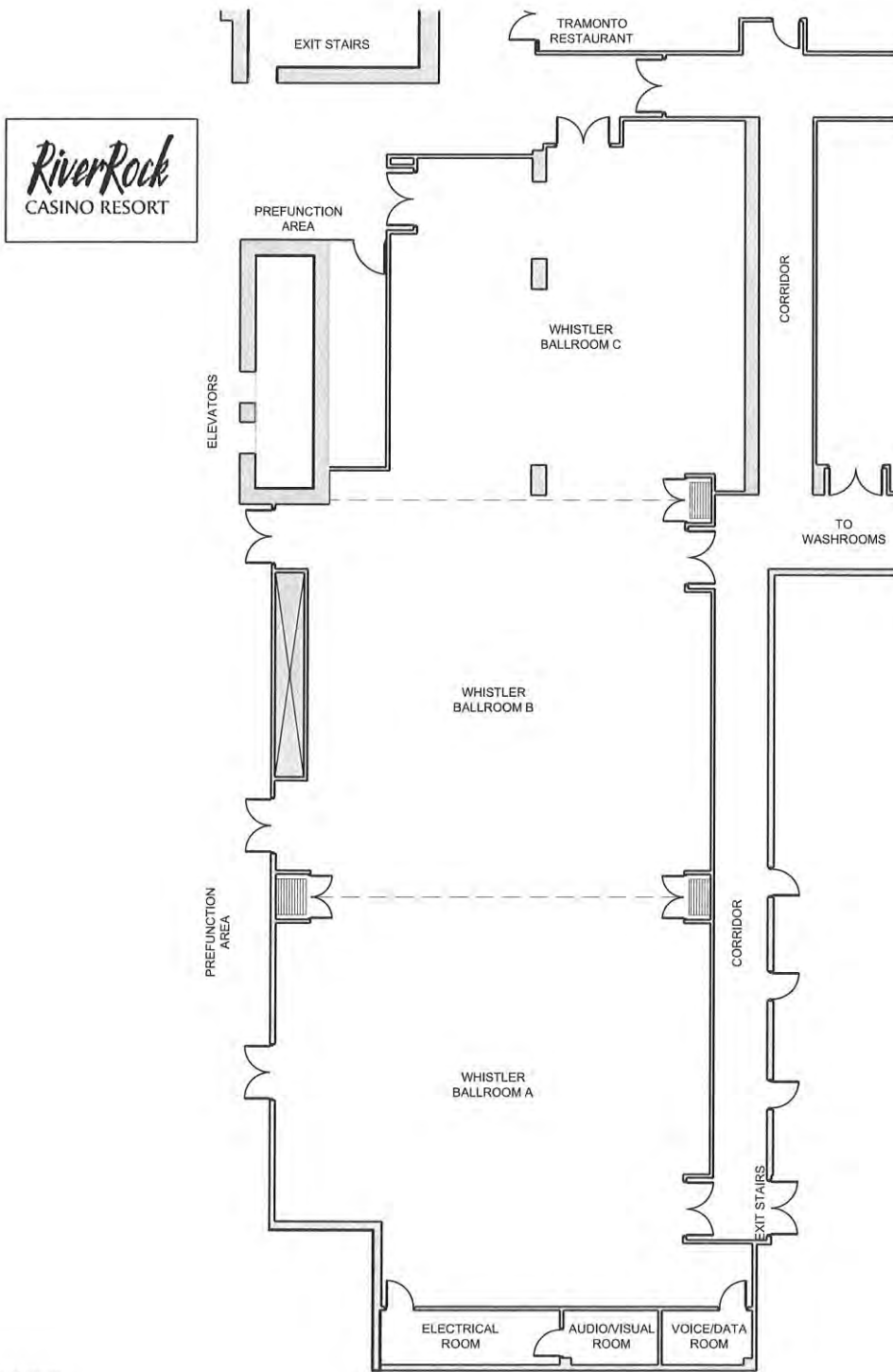
## Lower Level



## Upper Level



# River Rock Whistler Ballrooms



4/7/2009 4:13:33 PM

**2010 AFPC  
Award Winners**

## PFIZER-AFPC RESEARCH CAREER AWARD

**Ingrid Sketris**, PharmD, MPA (HSA), Professor, College of Pharmacy, Dalhousie University



Ingrid Sketris, PharmD, MPA(HSA) is a Professor in Pharmacy, and cross appointed to Nursing, Health Services Administration, Computer Science, and Community Health and Epidemiology at Dalhousie University. She has been a licensed pharmacist since 1977 and has been a hospital pharmacist practicing in such areas as the kidney transplantation service. In June 2000, Dr. Sketris received a 10 year Chair in health services research focusing on pharmaceutical policy and utilization management from the Canadian Health Services Research Foundation (CHSRF) and the Canadian Institutes of Health Research (CIHR) cosponsored by the Nova Scotia Health Research Foundation. She and her colleagues at IMPART (Initiative for Medication Management, Policy Analysis, Research and Training) [www.dal.ca/~impart](http://www.dal.ca/~impart) conduct research related to medication management. Her research involves examining approaches to increase the uptake of evidence-informed drug therapies by prescribers and the effectiveness of policy levers used by pharmacare programs to provide safe, effective and affordable drugs. It has involved examining the impact of pharmacare benefit design, educational interventions to change prescriber behavior, and changes in legal, regulatory, and health system organization factors which influence appropriate drug use. She has over 100 peer reviewed articles. She was elected to the Canadian Academy of Health Sciences in 2005 and the American National Academies of Practice in 2010.

### AN APPLICATION OF A COMMUNITY ENGAGED SCHOLARSHIP MODEL TO STUDY PHARMACEUTICAL PROGRAMS AND POLICIES IN NOVA SCOTIA

This presentation will describe a graduate level Drug Use Management and Policy Residency Program using a reciprocity and service learning approach<sup>1</sup>. In this program, students have a 17 week placement in government or in a health delivery organization and, guided by faculty, tackle real world problems in the health care system. Approaches may include conducting individual research, knowledge synthesis, or development of tools to improve prescribing practices and medication use. Students carry out research in the context of application<sup>2</sup>. Students may prepare briefing notes or questions and answers for the Health Ministry or contribute to government media releases. If warranted, they may also disseminate their process approaches or findings through peer reviewed channels. I will use a case study to illustrate challenges in implementing and evaluating interventions to change therapeutic approaches and in replacing an entrenched practice with a superior approach. The case describes how the Nova Scotia government's Drug Evaluation Alliance of Nova Scotia (DEANS) accelerated the adoption of a superior method of drug delivery. I will conclude by discussing the opportunities and challenges experienced when using a community engaged scholarship model to study pharmaceutical programs and policies.

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<sup>1</sup>Conrad P, Murphy J, Sketris IS. 2005. Instructional Design and Assessment. Drug Use Management and Policy Residency: A Service-Learning Application. *Amer J Pharmaceutical Education*; 69(5):1-10. Reprinted in Partnership Matters (Member newsletter of Community-Campus Partnerships for Health - June 2006).

<sup>2</sup>Gibbons M, Limoges C, Nowotny H, Schwartzmann S, Scott P, Trow M. The new production of knowledge: The dynamics of science and research in contemporary societies. London: Sage; 1994.



## Sanofi-aventis-AFPC New Investigator Research Award

**Olivier Barbier**, Associate Professor, Faculty of Pharmacy, Université Laval, & Director, Laboratory of Molecular Pharmacology, CHUQ Research Center, Québec, Canada. Director, Bioanalytical Services, CHUQ Research Center, Québec, Canada



As a Ph.D. student at Laval University-CHUQ Research Center (sup. Prs. A. Bélanger and D. W. Hum) Olivier Barbier investigated the role of glucuronidation in the local inactivation of androgens within the prostate tissue. After his Ph.D., Dr. Barbier moved to the Lille Pasteur Institute (France) for a PDF in the laboratory of Prs. J.-C. Fruchart and B. Staels, (division of nuclear receptor and atherosclerosis). He investigated the molecular mechanisms at the basis of the UDP-glucuronosyltransferase (UGT) genes regulation by nuclear receptors. As a principal investigator (Feb. 2004-present; Laval University), he joined these two experimental expertises to investigate the therapeutic value of glucuronidation as a pharmacological target in the treatment of endocrine and metabolic diseases. His primary interests are on the regulation of bile acids and androgens glucuronidation, in the respective contexts of cholestasis and prostate cancer treatment. However, more recently Dr. Barbier's team (including 5 M.Sc, 2 Ph.D. and 4 research assistants), has extended its field of investigation to analyze how the anti-oxidative properties of bilirubin could enrich the pharmacopeia for the treatment of cardiovascular diseases. Beyond glucuronidation, Olivier's group has also made the exciting discovery that therapeutic bile acids exert beneficial roles in blocking prostate cancer cells proliferation. Dr. Barbier has 55 peer-reviewed articles, several abstracts and numerous conference presentations and invited lectures. Since 2004, he has attracted over \$ 2,850,000 in external funding from the Canadian sources such as CIHR, CFI, the Health and Stroke Foundation of Québec and the "Fonds pour la Recherche en Santé du Québec." In addition, he has received funding from the very competitive Pfizer Cardiovascular Research Awards Program. Since February 2004, Dr. Barbier has directed 8 M.Sc. and 4 Ph.D. students and co-directed 3 M.Sc., 2 Ph.D. and 5 M. Pharm students. He is also actively involved in teaching pharmacology at both the undergraduate and graduate levels.

Endobiotics glucuronidation: a novel therapeutic avenue for metabolic and endocrine diseases. Until now, glucuronidation, a phase II metabolic reaction catalyzed by the UDP-glucuronosyltransferase (UGT) enzymes, has been thoroughly investigated in terms of drug metabolism. However, the contribution of UGTs in the detoxification and inactivation of the huge variety of endobiotics that they conjugate has received only limited attention. The causal relationship between homeostatic disequilibrium of endogenous UGT substrates and frequent hormone-related cancers and metabolic pathologies suggests that targeting these enzymes may be helpful for the correction of such pathological situations. Therefore, the long-term objective of our work is to investigate whether pharmacological modulation of endobiotics glucuronidation would be of therapeutic value. To reach this objective we currently developed 3 complementary projects in which we investigated how pharmacologically active molecules affect the glucuronidation of three classes of endobiotics: i.e. the *androgens* (prostate cancer), *bile acids* (cholestasis) and *bilirubin* (cardiovascular diseases). Beyond these UGT-focused projects, we also investigated the therapeutic interests of synthetic bile acids in the treatment of advanced hormone-resistant prostate cancer. The most recent observations of our ongoing projects will be discussed.

## Bristol Myers Squibb – AFPC National Award for Excellence in Education

**Marie-Claude Vanier**, B.Pharm., M.Sc. Associate Clinical Professor, Faculté de pharmacie, Université de Montréal



Marie-Claude obtained her Bachelor's degree in pharmacy from Université Laval in 1989 and completed her Masters in clinical pharmacology at Université Laval and Hôpital du Saint-Sacrement in Quebec city in 1992. She has worked as a clinical pharmacist in different areas and was involved in teaching and continuing education at the Faculty of Pharmacy of Université Laval and l'Ordre des pharmaciens du Québec. In 1998, Marie-Claude completed 9 months of professional training in patient adherence to treatment and anticoagulation at Guy's Hospital in London UK and at the School of Pharmacy, University of London. Following her return from London, she completed a 2-month clerkship in anticoagulation and evidence based practice at University of Texas Health Science Center in San Antonio. Since November 1998 Marie-Claude has held a joint position as Associate clinical professor at the Faculty of Pharmacy and as a clinician in the Sanofi-Aventis Endowment Chair in Ambulatory Pharmaceutical Care at La Cité de la Santé Hospital in Laval. She practices as a clinical pharmacist at the teaching family medicine clinic of Cité de la Santé de Laval. Her role as an Associate clinical professor includes teaching inter-professional collaboration and the co-development of a joint curriculum on inter-professional collaboration in healthcare. She was appointed in January 2010 President of the Interfaculty Operational Committee for Implementation of Interfaculty Educational Activities in Collaborative Healthcare. Marie-Claude was also recognized in Quebec as a role model in inter-professional collaborative practice by the Pharmacy magazine *l'Actualité Pharmaceutique* and awarded the 2009 *Pharmacien de Coeur et d'action* prize in the interdisciplinary collaboration category.

### **Abstract:**

Marie-Claude will share with us the experience gained at Université de Montréal in implementing an interfaculty pre licensure curriculum on interprofessional collaboration involving programs in health sciences and psycho-social sciences. A pilot project of 2 activities reaching close to 800 students of 2<sup>nd</sup> or 3<sup>rd</sup> year from 5 programs (medicine, nursing, nutrition, occupational therapy and pharmacy) was initiated in 2008-2009. **First activity (Professional roles discovery)** was divided into 4 blocks: i) e-learning preparatory modules; ii) small group case discussion; iii) testimony of a patient and sibling; and iv) panel of professionals. **Second activity (Simulation of an interprofessional meeting)** was divided into 3 blocks: i) e-learning preparatory modules; ii) intra-disciplinary workshop (Disciplinary Intervention Plan preparation); and iii) production of an Interdisciplinary Intervention Plan during a simulated inter-professional meeting. In 2009-2010, 5 new programs were added to the process (audiology, physiotherapy, psychology, social work and speech therapy) increasing the potential cohort to 1100 students. A new activity was also created for the 1<sup>st</sup> year students (April 2010) in the format of a rally of discovery and exchange about training (curriculum) of the 10 professions. Over 990 students participated in each of the 2 activities offered in Spring 2010. An interfaculty committee is presently working with the support of their Deans on formalizing these activities in 3 common 1 credit courses titled "*collaboration in health care*". These courses will soon become mandatory to all students of the 10 programs.

## GlaxoSmithKline-AFPC Graduate Student Research Award

**Melissa Carmen Cheung**, PhD Candidate, University of Toronto



### Biography:

MELISSA IS A NATIVE TORONTONIAN AND IN-LINE WITH THIS THEME, THE UNIVERSITY OF TORONTO HAS PLAYED A BIG ROLE IN HER ENTRY INTO RESEARCH. WHILE SHE EARNED HER HONOURS B.SC. IN GENETICS AND BIOTECHNOLOGY, MELISSA WAS GIVEN THE OPPORTUNITY TO WORK IN DIFFERENT RESEARCH FIELDS. SHE EXAMINED THE ROLE OF CHX10 IN RETINAL DEVELOPMENT, RESEARCHED THE EFFECTS OF MEKK3 MUTATIONS ON THE PI3KINASE SIGNALLING PATHWAY, AND INVESTIGATED THE UP-REGULATION PATHWAY OF CXCR4 RECEPTORS IN LEUKOCYTES THROUGH L-SELECTIN STIMULATION. CURRENTLY, MELISSA IS COMPLETING HER FOURTH YEAR AS A PH.D. STUDENT IN THE LABORATORY OF DR. JEAN GARIEPY AT THE ONTARIO CANCER INSTITUTE.

### Award Winning Publication:

"An evolved ribosome-inactivating protein targets and kills human melanoma cells in vitro and in vivo", Melissa C Cheung, Leigh Revers, Subodini Perampalam, Xin Wei, Reza Kiarash, David E Green, Aws Abdul-Wahid, Jean Garipy, *Molecular Cancer*, 2010, 9:28

<http://www.molecular-cancer.com/content/9/1/28>

### Abstract of Presentation:

Few treatment options exist for patients with metastatic melanoma. The development of targeted therapeutics with novel mechanisms of action may improve patient outcome. Ribosome-inactivating proteins (RIPs) such as Shiga-like Toxin 1 (SLT-1) represent powerful scaffolds for developing selective anticancer agents. This presentation will provide an overview of a novel toxin variant discovered through the screening of such a combinatorial SLT-1-based library. The *in vitro* and *in vivo* melanoma-targeted properties of this toxin variant will also be discussed.

## Canadian Foundation for Pharmacy-AFPC Graduate Student Award for Pharmacy Practice Research

**Ani Byrne**, BAS (Hons), MSc (Pharmaceutical Sciences, University of Toronto)



### **Biography:**

Ani Byrne completed her Masters of Science – Pharmaceutical Sciences at the University of Toronto in 2009, under the supervisor of Dr. Heather Boon and committee members, Zubin Austin, Lalitha Raman-Wilms, and Tannis Jurgens. Prior to this she completed her Bachelor of Arts and Sciences in 2006 at the University of Guelph. She currently works for Jamieson Laboratories in Windsor, ON as the Regulatory Affairs Supervisor.

### **Award Winning Publication:**

Byrne A, Boon H, Austin Z, Jurgens T, Raman-Wilms L. Core Competencies in Natural Health Products for Canadian Pharmacy Students. *Am J Pharm Educ.* 2010; 74 (3) Article 45. <http://ajpe.org/aj7403/aj740345/aj740345.pdf>

### **Abstract:**

#### **Core Competencies in Natural Health Products for Canadian Pharmacy Students.**

**Objective.** To reach consensus on core competency statements for natural health products (NHPs) for Canadian pharmacy students. **Methods.** Four rounds of a modified Delphi method were used to achieve consensus on core competency statements for NHPs. Pharmacy educators from Canada and the United States, and representatives from Canadian pharmacy organizations ranked their agreement using a 5-point Likert scale. **Results.** Consensus was achieved on 3 NHP-related core competency statements: (1) to incorporate NHP knowledge when providing pharmaceutical care; (2) to access and critically appraise NHP-related information sources; and (3) to provide appropriate education to patients and other health care providers on the effectiveness, potential adverse effects, and drug interactions of NHPs. **Conclusions.** Consensus was reached among leaders in NHP education on 3 NHP-related core competency statements. Implementation of these competencies would ensure that graduating Canadian pharmacists would be able to fulfill their professional responsibilities related to NHPs.

## **Merck Frosst Canada - AFPC Post Graduate Pharmacy Fellowship Award 2010**



**ERIN YAKIWCHUK, MSC STUDENT  
COLLEGE OF PHARMACY & NUTRITION  
UNIVERSITY OF SASKATCHEWAN**

**TITLE OF RESEARCH:** COLLABORATIVE CARDIOVASCULAR RISK REDUCTION  
IN PRIMARY CARE. SUPERVISOR, DR. DAVID BLACKBURN.

### **AFPC-PHARMACY RESEARCH POSTER AWARDS 2010 / 2010 PRIX DE LA AFPC POUR LA RECHERCHE EN PHARMACIE (AFPC PHARMACY STUDENT NATIONAL POSTER AWARDS)**

#### **Dalhousie University:**

**Melissa Hawkins**

Supervisor: David Gardner

"Oculogyric Crisis with Atypical Antipsychotics: A Case Series"

#### **Memorial University of Newfoundland:**

**Meghan Wall**

Supervisor: Scott Edwards

"The Impact of a Multidisciplinary Toxicity Assessment Monitoring Program within an Ambulatory Capecitabine-Radiation Oncology Clinic"

#### **University of Alberta:**

**Ms. Dalia Amr Hamdy El Sayed**

Supervisor: Dion Brocks

"High Performance Liquid Chromatographic Assay for the Simultaneous Determination of Midazolam and Ketoconazole in Rat Plasma and Its Application in a Drug Interaction Study"

#### **University of British Columbia:**

**Sandy YH Lu**

Supervisor: Kathleen M MacLeod

"Mechanism of High Glucose-Induced Activation of the RhoA/Rho-Kinase Pathway in Primary Cardiomyocytes"

**Université Laval:****Nicolas Morin**

Supervisor: Thérèse Di Paolo

“Effect of the metabotropic glutamate receptor type 5 antagonists MPEP and MTEP in parkinsonian monkeys”.

**University of Manitoba:****Ahmed S. Abdelmoneim**

Supervisor: Lavern Vercaigne

“Optimizing the management of hemodialysis catheter occlusion”

**Université de Montréal:****Marie-Ève Bédard-Dufresne**

Supervisor: David Williamson

“Drug-Induced Hepatic Cholestasis in the ICU: A Case Control Study”

**University of Saskatchewan:****Ravi Shankar Prasad Singh**

Supervisor: Jane Alcorn

“Suitability of MDCK Cell Line as a Tool for Intestinal Permeability Screening of Antineoplastic Compounds”

**University of Toronto:****Niladri Chattopadhyay**

Supervisor: Ray Reilly

“Design, construction and characterization of trastuzumab-conjugated gold nanoparticles (AuNPs) for enhanced X-radiation treatment of locally advanced breast cancer (LABC)”

**University of Waterloo:****Nafiseh Nafissi**

Supervisor: Roderick A. Slavcev

“Construction of an improved gene delivery platform”

# Conference Sessions and Speaker Information

## Joint CPERC/CSPS Plenary Session

Sponsored by FMC Biopolymer



### Dr. Pieter Cullis

Department of Biochemistry and Molecular Biology  
University of British Columbia



a place of mind

Dr. Cullis (PhD, Physics) is Founding Scientific Director, Centre for Drug Research and Development; Professor, Department of Biochemistry and Molecular Biology, University of British Columbia. Dr. Cullis' laboratory has been responsible for fundamental advances in the generation, loading and targeting of liposomal nanoparticulate systems for intravenous delivery of conventional and genetic drugs. This work has led to two products that have been approved by regulatory agencies in the U.S. and Europe for the treatment of cancer and its complications, another that is in late stage clinical trials for the treatment of acute lymphocytic leukemia and four more that are in Phase I studies. From 1987 to 1991, Dr. Cullis was co-founder and President of The Canadian Liposome Company Inc., a subsidiary of The Liposome Company Inc. (Princeton, NJ). Dr. Cullis was also a co-founder of Inex Pharmaceuticals Corp. (now Tekmira Pharmaceuticals), Lipex Biomembranes Inc., Northern Lipids Inc. and Protiva Biotherapeutics Ltd. He has published over 280 scientific articles and is an inventor on over 35 patents. Dr. Cullis has received many awards, including the B.C. Science Council Gold Medal for Health Sciences in 1991, the Alec D. Bangham Award for contributions to liposome science and technology in 2000, the B.C. Biotechnology Association award for Innovation and Achievement in 2002. He was elected a Fellow of the Royal Society of Canada in 2004.

### **Lipid-Based Nanomedicines: Applications to Conventional Drugs and Genetic Drugs**

Lipid-based nanoparticles (LNP) are by far the most advanced delivery systems for the systemic (intravenous) delivery of biologically active agents, with over seven clinically approved products and many others in advanced clinical trials. Two major areas of activity involve LNP delivery of small molecule "conventional" drugs and delivery of "genetic" drugs such as plasmid DNA and siRNA oligonucleotides. Advances in these areas will be reviewed and shown to support three general conclusions. First, the application of LNP technology to conventional drugs, such as anticancer drugs, can give rise to dramatic improvements in therapeutic index by improving efficacy and reducing toxicity of the encapsulated drug. Second, LNP delivery of genetic drugs such as plasmids can result in preferential delivery to disease sites such as tumour sites and tumour-specific gene expression. Finally, increasingly sophisticated LNP systems for i.v. delivery of siRNA oligonucleotides are resulting in remarkably potent systems for silencing target genes in vivo, particularly in the liver. Lipid-based nanomedicines that enhance the properties of conventional drugs and that enable macromolecules such as siRNA to be used as therapeutics will have an increasingly important clinical role.



## “Framework for the Future – Critical Perspectives on Pharmacy Education & Practice”

**Chair:** Simon Albon, BSc, MSc, Senior Instructor,  
UBC Faculty of Pharmaceutical Sciences



**Robert A. Blouin, PharmD**  
Professor and Dean  
UNC Eshelman School of Pharmacy



Robert A. “Bob” Blouin, PharmD, is the Dean of the UNC Eshelman School of Pharmacy at the University of North Carolina at Chapel Hill and the Vaughn and Nancy Bryson Distinguished Professor. Prior to his July 1, 2003, appointment as Dean, he was a long-time faculty member and administrator at the University of Kentucky (UK) College of Pharmacy. During his tenure, the UNC Eshelman School has seen an explosion of activity in research and teaching, having established three new research centers exploring pharmacogenomics, chemical biology, and drug discovery and establishing satellite PharmD programs at other North Carolina universities. The School is currently second among U.S. pharmacy schools in federal funding received for research. Its PharmD program was ranked second in the United States in 2009 by *U.S. News & World Report*, and enrollment in the PharmD program has increased by 20 percent while graduate enrollment is up 56 percent since 2004.

Dean Blouin began his career as a faculty member at the UK College of Pharmacy in 1978. Before accepting the appointment at Carolina, he was a Professor and Associate Dean for research and graduate education since 1997. His research interests include studying the effect of disease, trauma, and altered physiologic states (i.e., aging and obesity) on the expression and regulation of drug-metabolizing enzymes.

Dean Blouin is actively involved in national and local organizations, including the American Cancer Society, American Society of Health System Pharmacists, American Association of College of Pharmacy, American College of Clinical Pharmacy and the American Association of Pharmaceutical Scientists. During the 2003 American Society of Health-System Pharmacists Mid-Year Meeting in New Orleans, Dean Blouin was awarded the 2003 Paul F. Parker Award from the University of Kentucky, a prestigious award recognizing an individual who has displayed sustained contributions to the profession in practice, teaching or research.

### **Patient Centered Care: Educating the Next Generation of Pharmacists**

This presentation will review contemporary trends in higher education with particular emphasis on the current learning environments in the pharmacy academy and the need for a significant change in the pedagogy associated with our curriculum. The case for change will focus on the unique occurrence of a rapid change in the expectations of a new generation of learners, a rapid change in the society's expectation of an educated workforce possessing sophisticated critical-thinking and problem-solving skills, and a rapid change in education technology. A strategy will be presented that incorporates blended-learning techniques (asynchronous and synchronous) with optimum utilization of technology to consistently deliver teaching-learning opportunities from the top of the Bloom's taxonomy pyramid.

Research-intensive universities must compete in an arena that is focused on attracting the best student and faculty talent in the world. The challenge of creating a progressive teaching-learning environment in a research-intensive university will be discussed with particular emphasis on student- and faculty-recruiting strategies, faculty appointment and promotion issues and the recognition of alternative forms of scholarship. In addition, the opportunity of creating an environment that optimizes the availability of a world-class faculty in the classroom as the pinnacle of the value-added learning proposition for the student will be introduced. Creating the infrastructure to support excellence in both teaching and learning and in research will be discussed.



## **Dr. Patricia Rodney**

Associate Professor  
School of Nursing, UBC



**a place of mind**

Patricia (Paddy) Rodney, RN, MSN, PhD, is an Associate Professor and former Undergraduate Program Coordinator with the University of British Columbia (UBC) School of Nursing. She is also a Faculty Associate with the Mary and Maurice Young Centre for Applied Ethics at UBC, a Research Associate with Providence Health Care Ethics Services, and Past President of the Canadian Bioethics Society. Paddy is currently a member of the ethics committee at BC Women's Hospital in Vancouver and an ethics consultant on the BC Provincial Advisory Panel on Cardiac Health.

Paddy's research and publications focus on end-of-life decision-making and the moral climate of health care delivery. She has a particular interest in moral agency and the difficulties that nurses and other health care professionals experience in the current moral climate of health care delivery. She is engaged in a program of research with academic and practice-based colleagues (using participatory action and qualitative methodologies) aimed at improving the moral climate of health care delivery. Further, Paddy has written about and taught critical perspectives on ethical theory for a variety of nursing and interprofessional audiences.

### **Carrying the Blueprint Forward: Promoting Caring and Social Responsibility**

In this session Dr. Paddy Rodney will start by providing a synopsis of issues of caring and social responsibility for all health care professions. This will include a discussion of the place of values and ethics in professional practice, and a brief overview of critical theoretical perspectives on caring and social responsibility. She will then reflect on the implications for *teaching* caring and social responsibility in terms of curriculum content and processes, including both preparatory and continuing education within and between professions. As she does this she will point to areas of particular relevance for the Blueprint for Pharmacy.

Following her discussion of professional education Dr. Rodney will note some professional *practice* implications. Drawing on her interprofessional program of action research she will note how all professions can collaborate to create a moral climate that fosters caring and social responsibility in today's complex practice environments. She will close by suggesting future directions for the pharmacy profession to consider in terms of leadership, research and policy work.

## **AFPC/CSPS First Annual Graduate Student Trainee Luncheon Session**

**Chairs:** Sam Gilchrist, PhD Candidate, UBC Faculty of Pharmaceutical Sciences,  
Linda Tran, PhD, UBC Faculty of Pharmaceutical Sciences

### **Wayfinding in the Pharmaceutical Sciences – Challenges & Rewards of an Academic Career**

This session is geared towards graduate students who are considering a career in academia. Perspectives of established academics from a variety of pharmaceutical backgrounds will help prepare students to face the challenges and opportunities of pursuing an academic career. This session will feature an open-forum panel of faculty members from across academic ranks to provide insight on potential academic careers, advice on landing an academic position, and how to they forged their own academic careers.

*This session has been designed by graduate students for graduate students and is open to all graduate and undergraduate students attending the CSPS and CPERC conferences. Lunch and lively conversation will be provided.*

**Keynote speaker & panelists to be determined**

## **CPERC WORKSHOP**

### **“Bringing the Blueprint to Life in Pharmacy Education”**

**Chair:** Marion Pearson, BSc(Pharm), MA, RPh, Senior Instructor, Director,  
Entry-to-Practice Program, UBC Faculty of Pharmaceutical Sciences



**Barbara Gobis Ogle**, BSc(Pharm), ACPR, MScPhm  
Director, Drug Use Optimization Branch  
BC Ministry of Health Services

Barbara is a pharmacist with a passion for front-line patient care. She has spent most of her career being an agent of change within pharmacy and healthcare, as VP Pharmacy Innovation for Pharmasave National, as the clinical service lead for Network Healthcare, as a consultant to various pharmacy organizations across Canada and in her current role as a Director within the Drug Use Optimization Branch of the BC Ministry of Health Services.

An experienced communicator, Barbara has authored over 200 publications and given over 550 presentations to a variety of audiences in Canada, the US, Great Britain and Australia. Barbara and her teams have been recognized over the years for their innovative work in pharmacy. Locally, Barbara was named one of the top 40 business people under the age of 40 in BC. Barbara’s health care perspective has been influenced by her experiences as a cancer survivor, mother of 2 boys and stand-up comedienne.

Barbara is a graduate in pharmacy from both the University of British Columbia and the University of Toronto.

### **Bringing the Blueprint to Life in Pharmacy Education**

The Blueprint for Pharmacy provides a vision for the future of pharmacy practice in Canada. The Blueprint Implementation Plan identifies education as one of five key areas where action is needed to achieve this vision. AFPC has been named as a lead organization to assist Canadian schools of pharmacy in ensuring “that core pharmacy curricula address the knowledge, skills and values to ensure new graduates are prepared to develop and practice in emerging roles.” This participatory workshop, one of several AFPC initiatives related to the Blueprint Implementation Plan, will engage pharmacy faculty in large and small-group discussions to share existing and consider new strategies to address the following questions: 1) What are the pre-requisite attributes of students who will practice in the manner envisioned and how can these be identified in the admission process? 2) What curricular content is required to produce graduates with the necessary knowledge, skills and values? 3) What instructional and assessment strategies could be used to facilitate the development of the graduate of the future? 4) How can technology be used to facilitate the educational process? The intention for this workshop is that participants will leave with some resources, ideas, and energy for continuing the Blueprint conversation at their home schools. A summary of the discussions from this workshop will be posted on the AFPC website.

# “Supporting Intra-Professional Education & Experiential Learning – Perspectives from CPTEA and PEPC”

**Chair:** Lynda Eccott, BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Sciences;  
Director, Interprofessional Programs, UBC College of Health Disciplines

## **Canadian Pharmacy Technicians Educators Association (CPTEA) “Pharmacy and Pharmacy Technician Students Working Together”**



**Beverley Stotz, BSP**  
Nova Scotia Community College



Beverly Stotz received her BSc. Pharmacy from Dalhousie University in 1983 and completed a Residency in Hospital Pharmacy Practice in 1985. Bev began her career working in hospital pharmacy and has practiced as a staff pharmacist, clinical coordinator and director of pharmacy, and served as secretary on the provincial branch of the Canadian Society of Hospital Pharmacists. In 1993 Bev began to practice part-time in community pharmacy and was hired as a faculty member of the Nova Scotia Community College (NSCC) in 1996, to develop and institute the Pharmacy Technology Program and then continued as a pharmacy technician instructor. Bev has continued to practice in community pharmacy while working full time at NSCC. She is a member of the Nova Scotia College of Pharmacists Task Force for Regulation of Pharmacy Technicians and serves as the Membership Coordinator for the Canadian Pharmacy Technician Educators Association (CPTEA). Bev was recently appointed to the Pharmacy Examining Board of Canada representing CPTEA as a board member. Bev is completing her Masters in Adult Education through Saint Francis Xavier University and plans to research intra-professional experiential learning between pharmacy and pharmacy technician students to facilitate the development of curriculum in parallel with the ongoing restructuring of pharmacy practice.

### **Pharmacy and Pharmacy Technician Students Working Together**

We are in a period of exciting change ushered in by the Blueprint for Pharmacy which promises a new clinical and practical approach to the pharmacy profession. As educators we want to prepare our graduates to work together as pharmacists and pharmacy technicians. To best serve the profession and our students we must have a clear picture of this new collaborative model while stepping back and critically assessing the issues that we face in practice.

For the past 10 years the Dalhousie College of Pharmacy and the Nova Scotia Community College Pharmacy Technology Program have been providing opportunities for students to practice collaboratively in a community pharmacy lab setting. The goals set forth by these labs are to promote communication, awareness and appreciation for the scope of practice and interfaces between pharmacy and pharmacy technician students. With this in mind, the Blueprint for Pharmacy offers an exciting challenge. In this monumental moment in pharmacy what can we do as educators to institute intra-professional working relationships that enhance collaboration and thus equip our students with the necessary knowledge and skills before graduation and licensure?

## Pharmacy Experiential Programs of Canada (PEP Canada): “Five Students: One Preceptor – Collaboration to Support Experiential Education”



**Cheryl Cox, BSP, MBA**  
Experiential Education Coordinator  
University of Alberta



Cheryl Cox is the Coordinator of the fourth year student placements at the Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta. Cheryl's undergraduate degree in pharmacy is from the University of Saskatchewan and her interest in the process of change for professions led her to complete an MBA at the University of Alberta. Currently engaged in doctoral studies in curriculum studies, her research explores the transition of pharmacy students from the classroom to the practice setting. Her findings challenge the traditional understandings of curriculum and reinforce the importance of attending to the discourse of curriculum and how it influences the culture of practice and the ability to advance patient centred care. Cheryl is currently participating in three Capacity Grants from Alberta Health and Advanced Education focusing on innovations in experiential education.



**Adrienne J Lindblad, BSP, BSc, ACPR,  
PharmD**  
Clinical Practice Leader  
Alberta Health Services



Dr. Adrienne Lindblad graduated from the University of Saskatchewan with a Bachelor of Science in Pharmacy and in Biochemistry in 2002. She completed a hospital pharmacy residency in Halifax in 2003 and a Doctor of Pharmacy from the University of Toronto in 2008. Adrienne is currently a Clinical Practice Leader with Alberta Health Services in Red Deer, Alberta. Besides maintaining a practice in medicine, neurology, and the Stroke Prevention Clinic, Adrienne is the hospital's pharmacy residency coordinator and she has recently assisted with the implementation of a therapeutics curriculum for medical residents at her institution. Adrienne has a strong interest in teaching and experiential education and has precepted numerous pharmacy students and residents. In 2007, she was part of the team that initiated the Clinical Teaching Unit, and was heavily involved with its design, funding, application and evaluation, acting on both its steering committee and as a preceptor. Adrienne has received the CSHP New Practitioner Award in 2008 and the CSHP/Eli Lilly Teaching, Learning and Education Award for the Clinical Teaching Unit in 2010.

### **Five Students: One Preceptor – Collaboration to Support Experiential Education**

A primary focus for each of the provincial members of PEP Canada is the quantity and quality of student placements to meet the expectations of the pharmacy profession and the Blueprint for Pharmacy. Picture this situation for experiential education in pharmacy: a demand for students for quality placements that is greater than the supply, students accountable for direct patient care, students supporting the learning of other students, students bringing five times the value to patient care, preceptors with new time available in their day. This is an account of a partnership between the hospital pharmacy department of the Red Deer Regional Hospital and the experiential education program at the Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta. Collaboration is a key thread of this project from the pharmacy department's initiation of the idea, to implementation and evaluation. It is also a key thread that links multiple participants including hospital staff, preceptors, experiential education faculty and importantly, students. A Clinical Teaching Unit (CTU) was established on a 38-bed stroke ward at the Red Deer Regional Hospital. Five students were placed for 9-week placements, with 2 of the five students joining on week five of the project. Pharmacist and student workload statistics were tracked and compared to the same time period in the previous year, and demonstrated a significant increase in patient interventions without an increase in preceptor overtime. Given the value added results for patient care, the positive implications for the preceptor and student outcomes, this CTU model is advocated for rethinking the way experiential education is delivered in the future.



**CPERC BREAKOUT SESSIONS**  
**“Blueprint Pedagogies: Educating Medication Experts for a  
Changing Profession”**

(4 Concurrent Sessions)

**BREAKOUT SESSION 1:**  
**Faculty Recruitment: Preparing for the Blueprint and Ensuring the Right  
Knowledge, Skills, and Values Mix**

Faculty recruitment for Faculties across Canada is an important issue and focus of the Blueprint for Pharmacy Implementation Plan. Across Faculties in Canada, as we move our curricula ahead in the Blueprint era, some imperative questions include: (1) Given the anticipated curriculum changes to support each element of the Blueprint and the new educational outcomes from AFPC, what are the logical implications for new faculty members (e.g., knowledge, skills, values, etc.); (2) Considering the implications identified in #1, what set of qualifications would be priorities for recruiting new faculty members?; (3) If the qualifications are not generally available, how should faculties prepare new hires and graduate students to be effective faculty members?; and (4) What are some innovative ways to recruit new faculty members?

This session will consist of a facilitated, but largely unscripted, dialogue between attendees. We ask the attendees to give some thought to the 4 discussion points *before* the session so as to generate the richest discussion. The session is expected to lead to some concrete take-home tips when all the "great minds" gather in the same room. Specifically, having faculty members engage in a session that not only raises the issues, but where they come away with specific suggestions for how to move forward on this issue, would be ideal.

This break-out session will begin with open discussion of the 4 questions, followed by small-group discussion of recommendations and insights that we can take home to our individual faculties. This session will begin to address Action 1.3 of the Blueprint Implementation Plan and be an important first step forward regarding faculty recruitment with early recommendations.

**Recommended Pre-readings:**

- (1) Kehrer JP et al. New pharmacy faculty enculturation to facilitate the integration of pharmacy disciplines and faculty retention. AJPE 2008; 72(1):18.  
[www.ajpe.org/view.asp?art=aj720118&pdf=yes](http://www.ajpe.org/view.asp?art=aj720118&pdf=yes)
- (2) Beardsley R et al. Factors influencing the pharmacy faculty workforce. AJPE 2008; 72(2):34.  
[www.ajpe.org/view.asp?art=aj720234&pdf=yes](http://www.ajpe.org/view.asp?art=aj720234&pdf=yes)

## Facilitators:



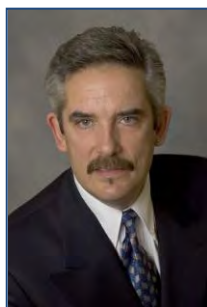
**Mary H.H. Ensom**, Pharm.D., FASHP, FCCP,  
FCSHP, FCAHS  
Professor and Director, Doctor of Pharmacy Program  
Distinguished University Scholar  
Faculty of Pharmaceutical Sciences  
University of British Columbia;  
Clinical Pharmacy Specialist  
Children's and Women's Health Centre of British Columbia



a place of mind

Dr. Ensom (formerly *Chandler*) earned her B.S. (Pharm.) degree in 1977 and Pharm.D. in 1985, both from the University of Kentucky College of Pharmacy. In between degrees, she was a hospital pharmacist and developed clinical services in South Carolina, Washington, and Kentucky. She completed a 2-year postdoctoral fellowship in Clinical Pharmacokinetics at the University of Kentucky in 1987, served on the faculty at the UK College of Pharmacy and also as Director of the Clinical Pharmacokinetics Service at the University of Kentucky Chandler Medical Center for 10 years (1987-97) before joining the faculty at UBC in 1997.

Mary's long-term research interests have been in clinical pharmacokinetics and pharmacodynamics with more recent interests in pharmacogenetics and pharmaceutical outcomes evaluations. Mary has authored/co-authored >400 publications (including ~165 articles in peer-reviewed journals). In addition to 7 outstanding teacher awards, Mary has received more than 50 other awards for scholarship, research, and service. Recognition for her research has taken the form of numerous national and international awards from ACCP, AACP, ASHP, CSHP, and CCCP as well as the 1990 Astra Clinical Pharmacy Research Award. She was also the recipient of the 2006 ACCP Russell R Miller Publication Award in recognition of "substantial contributions to the literature of clinical pharmacy." In 2008, she was one of 5 faculty members campus-wide to receive the UBC Killam Research Prize in Science. Mary is Editor for the *Canadian Journal of Hospital Pharmacy* and serves on the Editorial Boards of 5 other international journals. She is a fellow of ASHP, ACCP, CSHP, and the Canadian Academy of Health Sciences (CAHS).



**Simon P. Albon**, BSc(Pharm), M.Sc.

Senior Instructor  
Faculty of Pharmaceutical Science  
University of British Columbia



**a place of mind**

Simon Albon has been a Senior Instructor in the UBC Faculty of Pharmaceutical Sciences since 1994. He currently teaches physicochemical properties of drugs and pharmaceutical analysis in the UBC pharmacy program and has research interests in the scholarship of teaching and learning with a focus on learning-centered education in the basic pharmaceutical sciences. Since 1999 Simon has published several peer-reviewed manuscripts including one book, presented his work extensively at local, national and international meetings and received over 1.3 million dollars of grant funding to support his teaching innovation projects. Simon is an award-winning teacher and is currently pursuing a PhD degree in Curriculum Studies, with a research focus on the role and status of the basic pharmaceutical sciences in contemporary pharmacy education.



**James P. Kehrer**, Ph.D.

Professor and Dean  
Faculty of Pharmacy and Pharmaceutical Sciences  
University of Alberta



**UNIVERSITY OF  
ALBERTA**

James P. Kehrer received a B.S. in pharmacy from Purdue University in 1974 and a Ph.D. in pharmacology/toxicology from the University of Iowa College of Medicine in 1978. He did postdoctoral work from 1978-1980 in Biology Division of Oak Ridge National Laboratory. In 1980, Dr. Kehrer accepted a position as Assistant Professor at the University of Texas at Austin College of Pharmacy. He was promoted to Associate Professor in 1985 and to Professor in 1990. From 1991-2004 he was Head of the Division of Pharmacology and Toxicology in the College of Pharmacy. From 2004-2005, he was Director of the Center for Molecular and Cellular Toxicology. In September 2005 he became Dean of the College of Pharmacy at Washington State University and in August 2009 he became Dean of the Faculty of Pharmacy and Pharmaceutical Science at the University of Alberta. He recently served on the American Association of Colleges of Pharmacy (AACP) Task Force on Pharmacy Faculty Workforce. Dr. Kehrer has also served on numerous National Institutes of Health grant review panels, and as a member of the US-EPA Science Advisory Board Exposure and Human Health Committee. He is currently a member of the US-FDA Nonprescription Drug Advisory Committee. He has been the Editor for the Americas and Japan *Toxicology Letters* since 1993, and served as a Deputy Chairman for *The Biochemical Journal* from 2000-2008. Dr. Kehrer's research interests involve free radicals, antioxidants and cell signaling pathways associated with cell death. He has published 141 scientific papers and one book.

## BREAKOUT SESSION 2:

### Identifying and Mapping Pharmacy-related Interprofessional Learning Activities onto a Curriculum Framework using a world café discourse

Using the CAIPE (2002) definition of Interprofessional Education (IPE), a taxonomy was proposed for organizing each dimension of learning “with, from and about” each other into stages of exposure, immersion and mastery, providing examples of learning activities along a continuum of simple to complex. (*Bainbridge, L., 2009*) IPE researchers at the University of British Columbia have used this proposed taxonomy in conjunction with the *Canadian National Competency Framework for Interprofessional Collaboration* (2010) to build a curriculum scaffolding for IPE.

The goal of this breakout session will be to share ideas about possible, or existing IPE learning activities (in the classroom and the practice setting) that are taking place in our pharmacy schools, and to map them onto a curriculum framework to determine the ‘extent’ of their Interprofessional nature. This session will begin with a discussion about the proposed taxonomy for IPE as well as the competency framework. The draft curriculum scaffolding will then be used to guide a World Café discourse on elements of the taxonomy such as learning activities and objectives.

World Café is a style of discourse offering a safe and comfortable atmosphere for exploration and innovation. World Café questions will stimulate new ideas and innovations that are unconventional as they relate to pharmacy curriculum development of IPE. All participants will have the opportunity to discuss 3 out of 6 questions all of which will relate to a different aspect of the taxonomy. For example, learning activities that could be used to facilitate learning “about each other” at the immersion level of learning will be captured in one question. Table hosts will facilitate discussion at each table and will report back a summary of the discussions related to “their” question. The results of the discussion will be shared so that the curriculum framework can be applied by participants on their return to their own educational institution.

#### Facilitators:



**Lynda Eccott**, BSc, MSc, Senior Instructor, UBC Faculty of Pharmaceutical Science, Director of Interprofessional Curriculum, UBC College of Health Disciplines

**Victoria Wood**, MA, Project Coordinator, UBC College of Health Disciplines.

**Donna Drynan**, M.Ed., OT(C), Clinical Associate Professor & Academic Fieldwork Coordinator, UBC Department of Occupational Sciences and Occupational Therapy, Director of Practice Education, UBC College of Health Disciplines

**Lesley Bainbridge**, BRS (PT), MEd, PhD, Associate Principal of the College of Health Discipline, Director of Interprofessional Education in the Faculty of Medicine

The College of Health Disciplines (CHD) at UBC is leading the way in interprofessional health education and research. Through its three divisions, Interprofessional Curriculum, Practice

Education, and Professional Development, the College is working towards advancing interprofessional education (IPE) and collaboration (IPC) both on and off campus. Each division is headed up by a Director, and is led by the Associate-Principal of the College. Referred to as the *Interprofessional Action Team (IPAT)* at the College, this team also consists of project researchers and coordinators. The IPAT team has worked together on multiple education and research initiatives over the past 2 years. This breakout session will be conducted by members of IPAT.

### **BREAKOUT SESSION 3: Enhancing Learning and Assessment in Pharmacy Programs through Peer Teaching**

The communication, problem-solving, and other complex skills required of pharmacy graduates require substantial time, practice, and feedback to acquire, which strains the human resources of Faculties. At the University of British Columbia (UBC), voluntary and elective-credit opportunities for undergraduate peer teaching have been created in several courses to facilitate learning and assessment activities that could not otherwise be provided. The examples that will be described in this session include the use of near-peers as teaching assistants in first and second year pharmacy skills laboratory courses and senior peers as facilitators in a first year case-based tutorial course. This session will include a presentation of findings from the literature on the value of peer teaching, descriptions of the ways peer teachers are currently being trained, utilized, and assessed in the Faculty of Pharmaceutical Sciences at UBC, and observations about the advantages and disadvantages of using peer teachers. As part of this session, there will be an opportunity for participants to share their own experiences with peer teachers and to consider ways peer teaching might be incorporated into their programs to enhance learning and assessment activities for their entry-to-practice students.

#### **Presenters:**



**Colleen Brady**, HBS(cBio), BSc(Pharm), RPh  
Lecturer and Pharmacist, and 2<sup>nd</sup> Year Undergraduate Program  
Coordinator  
UBC Faculty of Pharmaceutical Sciences

Colleen Brady graduated in pharmacy from the University of Alberta in 1990 and then moved to beautiful BC where she accepted a position as Lecturer in the UBC Faculty of Pharmaceutical Sciences. Colleen continues to practice part-time as a pharmacist for Pharmasave. The focus of Colleen's teaching is in community pharmacy. Within the UBC pharmacy program she teaches in the Pharmacy Skills lab, in the non-prescription medication stream of courses, and in a first year course which focuses on pharmacy practice and the healthcare system. One of the challenges with large classes of students is the lack of one-on-one opportunities for students to develop their patient counselling and problem-solving skills. Peer teachers have been the solution to this challenge. Colleen's use of peer teachers has been a nine year journey now and has been a very rewarding experience.



**Tessa Nicholl**, BSc, BSc(Pharm), MSc, RPh, ACPR  
Lecturer and 4<sup>th</sup> Year Undergraduate Program Coordinator  
UBC Faculty of Pharmaceutical Sciences

Tessa is a UBC graduate who comes from a hospital pharmacy background and then moved onto various projects focusing on the development of drug information and other cognitive services. Tessa enjoys teaching in a team-based, interactive environment where participation through group work and class discussions makes for a really positive, fun and stimulating learning environment.

As we strive to move the profession of pharmacy forward, Tessa is taking an active role in re-examination of the current curriculum at UBC. Her passion for moving the profession of pharmacy forward has also led to her participate in interprofessional opportunities, as well as work toward creating a teaching, learning and education environment through the development of a Pharmaceutical Care Clinic in the Faculty of Pharmaceutical Sciences at UBC.



**Marion Pearson**, BSc(Pharm), MA, RPh  
Director, Entry-to-Practice Program  
UBC Faculty of Pharmaceutical Sciences

Marion received her BSc(Pharm) degree from the University of British Columbia (UBC) in 1982 and completed a residency in community pharmacy practice in 1983. She completed her MA degree in Higher Education at UBC in 2008, and is currently pursuing a PhD degree in Curriculum Studies, with a research focus on the scholarship of curriculum practice in higher education. In January 2010, Marion was appointed as the first Director of the Entry-to-Practice Program of the Faculty of Pharmaceutical Sciences at UBC. For 27 years prior to accepting this appointment, she was an instructor of pharmacy practice. Marion is an award-winning teacher, with interests in teaching and assessing for outcomes, peer- and self-assessment, portfolio assessment, and curriculum evaluation. She has been using peer teachers in a first year pharmacy skills laboratory course since 1999.



## **BREAKOUT SESSION 4: Developing a Program Evaluation for Canadian Faculties of Pharmacy**

In order to ensure appropriate training of our students, quality and excellence in professional pharmacy education is essential. Pharmacy programs are accountable to their students/student's families, accreditation bodies, universities, governments and society. Indeed, the "Blueprint for Pharmacy" states that schools must "ensure core pharmacy curricula address the knowledge, skills and values required for future pharmacy practice". Therefore, program evaluation is a vital part of the delivery of professional pharmacy programs. Effective evaluation provides program faculty with the ability to monitor and enhance the learning opportunities of their students. Program evaluation is an emerging area in Canadian Faculties of Pharmacy. While most Faculties have course/faculty specific evaluations in place, more comprehensive program evaluation plans are not as well developed. A committee has been struck through AFPC with representation from all pharmacy schools in Canada to develop a Program Evaluation Guide. The guide provides those charged with program evaluation the tools and processes needed to develop and implement an effective and sustainable evaluation of an entry-to-practice pharmacy program.

Through reviewing the AFPC Program Evaluation Guide, this session will familiarize participants with the elements of planning and implementing an effective and sustainable program evaluation. As with many things, one size does not fit all, and the same is true with program evaluation, therefore, participants will be engaged in activities to link the elements of program evaluation with the culture and needs of their individual pharmacy program.

### **Facilitator:**



**Ingrid Price, PhD**  
Senior Instructor  
Faculty of Pharmaceutical Sciences  
University of British Columbia

Ingrid is interested in designing learning environments that encourage students to think critically and solve problems effectively and efficiently. She is also very interested in designing assessment strategies that are appropriate for these learning experiences.

Ingrid's interest in program evaluation began many years ago when her Faculty began developing tools to ensure that learning outcomes were being met in the undergraduate curriculum. Recently, Ingrid became the chair of a National Program Evaluation Task Force through AFPC. The mandate of this group is to develop "An AFPC Guide for Program Evaluation for Canadian Faculties of Pharmacy" that includes program evaluation procedures and tools so Faculties across Canada can engage in prospective, continuous program evaluation. Ingrid feels that program evaluation is both a challenging and valuable aspect of any undergraduate curriculum. As chair of this task force, her goal is to support all schools of Pharmacy in Canada to implement an effective and sustainable program evaluation.



**CPERC RESEARCH SYMPOSIUM**  
**“Foundations for the Future – Shaping Practice through Research”**

**Chair:** David Fielding, EdD, Professor and Associate Dean of Academic Programs,  
UBC Faculty of Pharmaceutical Sciences



**Ross T. Tsuyuki**, BSc(Pharm), PharmD,  
MSc, FCSHP, FACC  
University of Alberta Alberta



Dr. Tsuyuki is currently a Professor of Medicine (Cardiology) and the Director of the Epidemiology Coordinating and Research (EPICORE) Centre, a health research coordinating centre, and the Centre for Community Pharmacy Research and Interdisciplinary Strategies (COMPRIS). He is also a Professor in the Faculty of Pharmacy and Pharmaceutical Sciences and an Adjunct Professor in the School of Public Health at the University of Alberta and an Honorary Professor in the School of Pharmacy at the University of Auckland. Dr. Tsuyuki has received several awards for teaching, as well as appointment as a Fellow of the Canadian Society of Hospital Pharmacists and the American College of Cardiology. In 2005 he was recognized as the Canadian Pharmacist of the Year by the Canadian Pharmacists Association. His interests include: improving the care of patients with heart failure and hypertension, prevention of cardiovascular disease, pharmacy practice research, provision of support for other researchers and training the next generation of health researchers.

### **The Blueprint is Nice, But Are Pharmacists Ready For It?**

A clear vision for Canadian pharmacists has been articulated in the Blueprint for Pharmacy: “Optimal drug therapy outcomes for Canadians through patient-centered care.” Yet, the consistent and widespread provision of patient-centered care has not been adopted in pharmacy practice. This may be due to current pharmacy culture not aligning with the desired practice changes: “Culture eats strategy for lunch”, as the saying goes.

In this presentation, I will present some work on pharmacists’ self perception of their professional role. The overall objective of these studies was to gain some insight into pharmacy culture by examining how pharmacists in different settings (community, hospital, and faculty members) describe what they do.

Our work to date suggests that pharmacists of all kinds view themselves primarily as dispensers of medications. This makes it difficult for them to conceptualize patient-centered care and could be an important barrier to practice change and current implementation strategies for the Blueprint.



**Carlo Marra**, BSc(Pharm), PharmD, Ph.D., FCSHP  
Collaboration for Outcomes Research and Evaluation  
Faculty of Pharmaceutical Sciences  
University of British Columbia



Carlo Marra's research and teaching interests are in the measurement of health-related quality of life, economic evaluations, and formulary decision making. His projects include studies of the measurement of health-related quality of life, pharmacoepidemiologic evaluations, and economic analyses in musculoskeletal diseases, respiratory conditions and genetic diseases. Carlo is also interested in evaluating the potential impact of the pharmacist on health outcomes and satisfaction of patients with chronic medical conditions and the provision of health services."

### **Adaptation in B.C. – How did pharmacists do and did physicians like it?**

In 2008, the BC provincial government passed legislation to expand the role of healthcare professionals in the province that enabled pharmacists to adapt prescriptions. The legislation led to the development of the Professional Practice Policy 58 (PPP-58) by the College of Pharmacists of BC to provide a framework for safe and effective adaptations. As of January 1, 2009, BC pharmacists could renew existing prescriptions, change the dose, formulation or regimen of existing prescriptions and perform therapeutic drug substitutions with the goal of enhancing public health, ensuring continuity of care, and providing the public a choice in healthcare (College of Pharmacists of BC, 2008a). We completed an evaluation of pharmacy adaptation services is underway focusing on determining the associated costs, barriers and facilitators of adaptation services among pharmacies and the impacts of adaptation services on patient populations. In addition, we conducted focus groups with pharmacists and physicians to determine their perceptions on the initiative.



**Kelly Grindrod**, BScPharm, ACPR, PharmD, MSc  
Post-doctoral Fellow  
Collaboration for Outcomes Research and Evaluation  
Faculty of Pharmaceutical Sciences  
University of British Columbia



As a Post-Doctoral Fellow at UBC's Collaboration for Outcomes Research and Evaluation (CORE), Dr. Grindrod spends her time pondering the pharmacists' role in chronic disease management. Many pharmacists are blazing trails away from medication-centred roles to patient-centred ones. This, however, is not the norm. Instead, the status quo has pharmacists spending most of their time filling prescriptions and shelling out cough syrup.

With this in mind, Dr. Grindrod's fellowship, which is funded by the Michael Smith Foundation for Health Research and the Canadian Institutes for Health Research, has focused on pharmacists' preferences for providing new patient-centred services. With the goal of informing health policy and practice change, she has presented her work to several pharmacy stakeholder organizations

and to pharmacists themselves. In addition, she is involved in several practice-based studies of pharmacists' roles in arthritis, prescription adaptations and drug use in pregnancy and lactation. Prior to joining CORE, Dr. Grindrod completed her Bachelor of Science in Pharmacy at the University of Alberta (2003) and an Accredited Hospital Pharmacy Residency at the University Hospital at the London Health Sciences Centre in Ontario (2004). Following this, she moved to Vancouver and completed a PharmD in 2007 and a MSc in 2009, both at UBC's Faculty of Pharmaceutical Sciences. She joined CORE under the supervision of Drs. Carlo Marra and Larry Lynd in 2007.

#### **PHARMACISTS' PREFERENCES FOR PROVIDING NEW SERVICES**

In the fall of 2008 we examined pharmacists' preferences for providing patient-centred services. We recruited senior pharmacy students and pharmacists in British Columbia and Alberta to complete a discrete choice experiment. Using 18 different choice-sets, we asked respondents if they preferred to provide one of two hypothetical patient-centred services or to continue with the status quo. Of 539 respondents, 49% were dispensary pharmacists or managers, 12% were dispensary owners or regional managers, 21% were clinical pharmacists and 16% were students. Overall, we found that respondents were very averse any decrease in income or job satisfaction. They also preferred to have access to a weeklong course or a paid preceptorship before embarking on patient-centred services. Compared to traditional pharmacy services, we also found that respondents preferred medication or disease management services and were not interested in screening services. Preferences differed according to several factors including respondents' place of work and experience.

Overall, it is apparent that pharmacists prefer to offer patient-centred services over the status quo. Before providing these new services, however, most will need to be assured of their income and job satisfaction and be given access to suitable advanced education. Considering that most Canadian pharmacists are not paid to provide patient-centred services, decision-makers and pharmacy leaders should carefully consider these preferences to improve the success of future programs.



#### **Suzanne C. Malfair Taylor,**

BSc(Pharm), ACPR, PharmD, BCPS, FCSHP  
Executive Director, Drug Use Optimization  
BC Ministry of Health, Pharmaceutical Services Division  
Clinical Professor, Faculty of Pharmaceutical Sciences, UBC

Suzanne Malfair Taylor is a Doctor of Pharmacy with Board Certification in Pharmacotherapy, who did her BSc in Pharmacy and her PharmD at UBC. She also completed a hospital pharmacy residency at Vancouver General Hospital; a BCIT Healthcare Management certificate; and several pharmacoeconomics and outcomes research programs. She spent 12 years at the BC Cancer Agency working in clinical, educational, and research capacities. Currently, she is Executive Director of the Drug Use Optimization Branch within the Pharmaceutical Services Division at the BC Ministry of Health Services as well as a Clinical Professor with the UBC Faculty of Pharmaceutical Sciences. Her branch at the Ministry helps educate the province about the responsible use of medications and helps facilitate pharmacists to work to their full scope of practice. She is working collaboratively

with the BC Pharmacy Association on the medication management demonstration project and with the UBC Faculty of Pharmaceutical Sciences on their current curriculum review. Other than drugs, she enjoys curling, aerobics, boating, and spending as much time as possible with her husband Cliff and her 2 young daughters (Jensen 7.5yrs and Chelsea 5.5yrs).

### **Government perspective on pharmacy practice: the scoop on scope**

The practice of pharmacy, especially community pharmacy, is in the midst of a transformation. Driving forces of change include legislation and professional practice policies around pharmacist scope; the Conversation on Health; the Interim Agreement between the Ministry of Health Services and the BC Pharmacy Association; the Blueprint for Pharmacy; technician regulation; evolving funding models; population demographics; and national and international trends in curriculum and practice. How can government facilitate, enable, and empower a patient-centred pharmacy practice that optimizes health outcomes for our citizens? Value and sustainability are the required endpoints. This presentation will define implications of the driving forces, describe the medication management demonstration project, and explore educational, professional development, and research aspects that must be considered for success.

# Posters

AFPC Poster Abstracts for 2010 have been published in the CSPA online journal. - <http://ejournals.library.ualberta.ca/index.php/JPPS/> The citation is:  
Journal of Pharmacy & Pharmaceutical Sciences, Vol 13 No 3 (2010) 1s-154s.

AFPC Abstracts can be found as follows: Day 1, Thursday June 3, 2010 pages 92-105;  
Day 2, Friday June 4, 2010 pages 130-145.

# CSPS POSTER PRESENTATIONS DAY 1

## THURSDAY, JUNE 3, 2010

**NOTE: Number at left indicates assigned poster board number.**

### BIOMEDICAL SCIENCES

1. Effects of Docosahexaenoic Acid in Ischemia-Reperfusion Injury  
Rawabi S Qadhi<sup>1</sup>, Shahir Mishriki<sup>1</sup>, Sri Nagarjun Batchu<sup>1</sup>, Ketul R Chaudhary<sup>1</sup>, John M Seubert<sup>1</sup>.  
<sup>1</sup>Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, CA
2. A Novel Anti-angiogenesis Mechanism of Angiostatin: Inhibition of Endothelial Cell MMP-2 Production  
Corey Ramer and Paul Jurasz. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
3. Amphotericin B Concentrations in Target Organs of a Mouse Model of Visceral Leishmaniasis Following Successful Treatment Course by an Oral Lipid-based Formulation: Correlation to the Effect  
Pavel Gershkovich<sup>1</sup>, Xiaohua Zhu<sup>2</sup>, Karl A. Werbovetz<sup>2</sup>, Ellen K. Wasan<sup>1,3</sup>, Olena Sivak<sup>1</sup>, Richard R. Tidwell<sup>4</sup>, John G. Clement<sup>5</sup>, and Kishor M. Wasan<sup>1</sup>. <sup>1</sup>Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, Canada; <sup>2</sup>Division of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, The Ohio State University, Columbus, Ohio; <sup>3</sup>School of Health Sciences, British Columbia Institute of Technology, Burnaby, BC Canada; <sup>4</sup>Department of Pathology and Laboratory Medicine, Consortium for Parasitic Drug Development, University of North Carolina at Chapel Hill, Chapel Hill, NC; <sup>5</sup>Co Therapeutics Inc., Vancouver, Canada.
4. Protonated Nanoscale Aluminosilicate (NSAS) Reduces Plasma Cholesterol Concentrations and Atherosclerotic Lesion Formation in Apolipoprotein E(ApoE)-Deficient Mice  
Kishor M. Wasan, Olena Sivak, Jerry Darlington, Pavel Gershkovich, Panayiotis P. Constantinides. University of British Columbia and AMCOL International, Vancouver, BC
5. Ex vivo Studies Suggest Doxorubicin and Daunorubicin are More Toxic than their Major Metabolites, Doxorubicinol and Daunorubicinol  
Onkar S. Bains, Andras Szeitz, Joanna M. Lubieniecka, Thomas A. Grigliatti, Ronald E. Reid, and K. Wayne Riggs. Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, British Columbia, Canada (O.S.B., A.S., J.M.L., K.W.R.); Life Sciences Institute, Department of Zoology, Faculty of Science, The University of British Columbia, Vancouver, British Columbia, Canada (T.A.G.); Division of Biomolecular and Pharmaceutical Chemistry, Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, British Columbia, Canada (R.E.R.).
6. Epoxyeicosatrienoic Acids Delay Mitochondrial Failure and Maintain their Morphology During in vitro Cellular Stress  
Haitham El-Sikhry, Sri Nagarjun Batchu, Yunfang Zhang, John M. Seubert. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB, Canada
7. Synthesis and Characterization of Carboxylic Acid and Amine Surface-conjugated, Hydrophobically Derivatized Hyperbranched Polyglycerols for Use as Potential Nanoparticulate Drug Carriers  
L. Ye,\* C. Mugabe,\* R.T. Liggins,† D. Guan,† M. Heller,† L. Heller,† J.N. Kizhahakkedathu‡, D.E. Brooks‡, J.K. Jackson\*, H.M. Burt\*. \* Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, Vancouver, BC, Canada; † Centre for Drug Research and Development, University of British Columbia, Vancouver, BC, Canada; ‡ Centre for Blood Research and Department

of Pathology and Lab Medicine, , Life Science Centre, University of British Columbia, Vancouver, BC, Canada.

8. Non-ulcerogenic Effective Non-steroidal Anti-inflammatory Prodrugs of Aspirin, Ibuprofen, and Indomethacin: Is Nitric Oxide-release Required?  
Sarthak Jain and Carlos A. Velázquez\*. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada
9. Mercury Modulates the CYP1A1 at Transcriptional and Posttranslational Levels in Human Hepatoma HepG2 Cells  
Issa E.A. Amara and Ayman O.S. El-Kadi\*. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
10. Modulation of NAD(P)H:Quinone Oxidoreductase by Vanadium in Human Hepatoma HepG2 Cells  
Ghada Abdelhamid, Anwar Anwar-Mohamed and Ayman El-Kadi. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada
11. Effects of Growth Hormone and Therapeutic Ultrasound on Male Sprague Dawley Rats' Mandible  
Imran Khan<sup>1</sup>, Ayman OS El-Kadi<sup>2</sup>, and Tarek El Bialy<sup>3</sup>. <sup>1&2</sup>Pharmacy & Pharmaceutical Sciences, <sup>3</sup> Department of Dentistry, University of Alberta, Edmonton, AB, Canada.
12. Inflammation Downregulates Angiotensin Converting Enzyme 2 in Rat Heart  
Sherif Hanafy, Mahtab Tavasoli, Fakhreddin Jamali. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada

#### **DRUG DELIVERY AND PHARMACEUTICAL TECHNOLOGY**

13. Contramid® Microcapsules: A Versatile Platform for Drug Delivery  
Vinayak Sant, Miloud Rahmouni, Damon Smith. Labopharm Inc., Laval, Québec, Canada.
14. Ciprofloxacin Loaded Alginate/Chitosan and Solid Lipid Nanoparticles, Preparation and Characterization  
Solmaz Ghaffari<sup>1,2</sup>, Taraneh Gazori<sup>2,3</sup>, Jaleh Varshosaz<sup>1</sup>, Mohammad Reza Khoshayand<sup>3</sup>, Ismaeil Haririan<sup>3</sup>, Fatemeh Atyabi<sup>3</sup>, Shirzad Azarmi<sup>4,5</sup>, Ebrahim Azizi<sup>3,6</sup>. <sup>1</sup>Faculty of Pharmacy, Isfahan University of Medical Sciences, Isfahan, Iran; <sup>2</sup>Razak Pharmaceutical Industry Co. Tehran, Iran; <sup>3</sup>Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran; <sup>4</sup>Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB, Canada; <sup>5</sup>Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran; <sup>6</sup>School of Advanced Medical Technologies, Tehran University of Medical Sciences, Tehran, Iran.
15. Preparation and Optimization of Estradiol Loaded PEGylated Nanoliposome as a Potential Vascular Delivery System for the Treatment of Restenosis  
Haeri, S. Rabbani, S. Sadeghian, S. Dadashzadeh. <sup>1</sup>School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran; <sup>2</sup>Tehran Heart center, Tehran University of Medical Sciences, Tehran, Iran.
16. Magnetic Drug Targeting to the Eye  
Peter Christiaan Soema<sup>1\*</sup>, Mirko Dengler<sup>1</sup>, Sonia Yeung<sup>2</sup>, Steve Levasseur<sup>2</sup>, Urs Hafeli<sup>1</sup>. <sup>1</sup>Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, Canada; <sup>2</sup>Department of Ophthalmology and Visual Sciences, University of British Columbia, Vancouver, Canada;  
\*Corresponding author: P. C. Soema.
17. Synthesis and in vitro Evaluation of Peptide Decorated Polymeric Micelles for Paclitaxel Delivery to Human Cancer Cells  
Mostafa Shahin, Sahar Ahmed, Kamaljit Kaur, Afsaneh Lavasanifar. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Canada.

18. Developing a Microemulsion with Potential for Pharmaceutical Applications: Formulation, Characterization, Sterilization, and In Vitro Cell Culture Studies  
Carrie Zachar, Division of Industrial Pharmacy, Department of Pharmacy Practice, College of Pharmacy, University of Toledo, Toledo, OH; Jerry Nesamony, Assistant Professor of Pharmaceutics, Department of Pharmacy Practice, College of Pharmacy, University of Toledo, Toledo, OH; Rose Jung, Assistant Professor of Pharmacy Practice, Department of Pharmacy Practice, College of Pharmacy, University of Toledo, Toledo, OH; Fred Williams, Associate Professor of Pharmacology, College of Pharmacy, University of Toledo, Toledo, OH.
19. Development and Evaluation of Dual Loaded Nanoparticles for Periodontal Infections  
Jasjeet Kaur Sahni, Mohammad Tariq, Zeenat Iqbal and Farhan.J.Ahmad. Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, Hamdard Nagar, New Delhi, India.
20. Effect of Polymer Blend on Diltiazem HCl Matrix Tablets Prepared by Direct Compression  
Ibrahim M. El-Bagory<sup>1</sup>, Nahla S. Brakat<sup>2</sup>, Mahmoud El-Badry, Mohamed A. Ibrahim<sup>1</sup> and Fouza El-Enazi<sup>3</sup>. <sup>1</sup>Kayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, Faculty of Pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia; <sup>2</sup>Department of Pharmaceutics, Faculty of Pharmacy (Girls), King Saud University, Riyadh, Kingdom of Saudi Arabia; <sup>3</sup>Department of Pharmaceutics, Faculty of Pharmacy (Girls), King Saud University, Riyadh, Kingdom of Saudi Arabia.
21. Preparation and Quality Evaluation of an Extemporaneous Enteric-release Liquid Formulation of Lansoprazole for Oral Administration  
J.M. Forest<sup>1</sup>, I. Elkin<sup>2</sup>, A.C. Poinas<sup>2</sup>, A. Soukrati<sup>2</sup>, A. Melkoumov<sup>2</sup>, P. Hildgen<sup>2</sup> and G. Leclair<sup>2</sup>. <sup>1</sup>CHU Sainte-Justine, Central Pharmacy, Montreal, QC; <sup>2</sup>Université de Montréal, Faculty of Pharmacy, Montreal, QC.
22. Nanoformulation Development and Pharmacometrics of the Histone Deacetylase Inhibitor, Vorinostat  
Connie M. Remsberg<sup>1,2</sup>, Jody K. Takemoto<sup>1,2</sup>, M. Laird Forrest<sup>3</sup>, and Neal M. Davies<sup>1,2</sup>. <sup>1</sup>Department of Pharmaceutical Sciences, <sup>2</sup>Pharmaceutical Science Graduate Program, Washington State University, Pullman, Washington, USA, <sup>3</sup>Department of Pharmaceutical Chemistry, University of Kansas, Lawrence, KS, USA
23. Mechanistic Action and Disposition and Crystalline Polymorphisms of Oxyresveratrol  
Jody K. Takemoto<sup>1,2</sup>, Rebecca M. Bertram<sup>1</sup>, Connie M. Remsberg<sup>1,2</sup>, Shyam S. Sablani<sup>3</sup>, and Neal M. Davies<sup>1,2</sup>. <sup>1</sup>Department of Pharmaceutical Sciences, <sup>2</sup>Pharmaceutical Science Graduate Program, Washington State University, Pullman, Washington, USA, <sup>3</sup>Department of Biological Systems Engineering, Washington State University, Pullman, Washington, USA.
24. In vitro Diffusion of Epinephrine Nanoparticles Using a Flow-Through Diffusion System  
M. M. Rawas-Qalaji<sup>1</sup>, E. Nieves<sup>2</sup>, K. Desai<sup>1</sup>, J. Stubblefield<sup>1</sup>, O. Rachid<sup>3</sup>, K. J. Simons<sup>3</sup>. <sup>1</sup>College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL; <sup>2</sup>College of Pharmacy, Nova Southeastern University, Ponce, Port Rico; <sup>3</sup>Faculty of Pharmacy, University of Manitoba, Winnipeg, MB, Canada
25. Antibody-mediated Osteoclast Targeting System using Calcitonin as a Model Drug  
Madhuri Newa, Krishna Hari Bhandari, Lili Tang, Mavanur Suresh, Michael R. Doschak. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Canada.
26. Design and Development of a New Family of Self-assembling Gene Delivery Nanoparticles using Cationic Amino Acid Substituted Gemini Surfactants  
Jagbir Singh<sup>1</sup>, Peng Yang<sup>2</sup>, Ronald Verrall<sup>2</sup>, Ildiko Badea<sup>1</sup>. <sup>1</sup>Drug Design and Discovery Research Group, College of Pharmacy and Nutrition, University of Saskatchewan; <sup>2</sup>Department of Chemistry, University of Saskatchewan, Saskatoon, SK
27. Micellar Paclitaxel and Docetaxel for Intravesical Bladder Cancer Therapy  
Elissa S. Aeng<sup>1</sup>, Antonia T. Tsallas<sup>1</sup>, John Jackson<sup>1</sup>, Helen M. Burt<sup>1</sup>. <sup>1</sup>Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada.



28. Enhancement of Docetaxel Solubility via Conjugation of Formulation-Compatible moieties  
Loan Huynh,<sup>a</sup> Jean-Christophe Leroux <sup>b</sup> and Christine Allena. <sup>a</sup>. Faculty of Pharmacy, University of Toronto, Toronto, ON, Canada, <sup>b</sup>. Institute of Pharmaceutical Sciences, Wolfgang-Pauli-Str., Zürich, Switzerland
29. Preparation and Performance of Spray Dried Propofol Formulation using pH-sensitive Polymeric Micelles  
David Lessard, Piotr Kujawa, Wilms Baille, Dana Palusova, Vinayak Sant, Miloud Rahmouni, Corinne Benquet, Dorothée Le Garrec and Damon Smith. Labopharm Inc, Laval, QC, Canada

#### **CLINICAL SCIENCES AND PHARMACY PRACTICE**

30. New US-FDA Bioequivalence Approaches for Generic Drug Products  
Paramjeet Kaur<sup>1</sup>, Chandra S. Chaurasia<sup>1</sup>, Sam H. Haider<sup>2</sup>, Robert Lionberger<sup>2</sup>, Lawrence X. Yu<sup>2</sup>, Dale P. Conner<sup>1</sup>, and Barbara M. Davit<sup>1</sup>. <sup>1</sup>Division of Bioequivalence, Office of Generic Drugs, FDA, Rockville, MD; <sup>2</sup>Office of Generic Drugs, FDA, Rockville, MD.
31. Confounding in Pharmacoepidemiologic Studies of Fracture Risk  
Lindsay Wong, and Suzanne M. Cadarette. Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON

#### **PHARMACEUTICAL AND ANALYTICAL CHEMISTRY**

32. Simultaneous Determination of Etoposide and its Cis Isomer in Rat Plasma by a Sensitive HPLC Method Using Monolithic Column  
R. Saadati, S. Dadashzadeh. Department of Pharmaceutics, School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran.

#### **NATURAL PRODUCTS**

33. Analyzing the Potential Neuroprotective Effects of Native Newfoundland and Labrador Berries  
Sarai Hamodat, Robert Trask, Mohammad Z. Hossain and John T. Weber. School of Pharmacy, Memorial University of Newfoundland.
34. Inhibitory Effect of Camel Urine on the Expression of TCDD-Induced Cyp1a1 Gene in Murine Hepatoma Cell Lines  
Hesham M. Korashy<sup>1</sup>, Abdulqader Alhaider<sup>2</sup>, Mohammed El-Gendy<sup>3</sup>, and Ayman O.S. El-Kadi<sup>3</sup>. <sup>1</sup>Department of Pharmacology & Toxicology, College of Pharmacy and <sup>2</sup>Department of Pharmacology, College of Medicine, King Saud University, Riyadh, Saudi Arabia; <sup>3</sup>Faculty of Pharmacy & Pharmaceutical sciences, University of Alberta, Edmonton, Alberta, Canada.
35. Natural Health Product and Traditional Medicine Effect on the Activity of Human Hepatic Microsomal-mediated Metabolism of Oseltamivir  
Rui Liu<sup>1,2</sup>, Teresa W. Tam<sup>1,2</sup>, Jingqin Mao<sup>2</sup>, Ammar Saleem<sup>2</sup>, Anthony Krantis<sup>1,2</sup>, John T. Arnason<sup>2</sup>, Brian C. Foster<sup>1,2,3</sup>. <sup>1</sup>Department of Cellular and Molecular Medicine, University of Ottawa, Ottawa, ON; <sup>2</sup>Centre for Research in Biopharmaceuticals and Biotechnology, University of Ottawa, Ottawa, ON; <sup>3</sup>Therapeutic Products Directorate, Health Canada, Ottawa, ON, Canada.

#### **PHARMACOKINETICS AND PHARMACODYNAMICS**

36. Effect of Diltiazem on RBC Concentrations of Adenine Nucleotides in Zebrafish and Restraining Rat Model in vivo  
Pollen K.F. Yeunga, Lauren Klein-Rygierb, Julie Dauphinee, and Jason N. Bermanb.  
<sup>a</sup>Pharmacokinetics and Metabolism Laboratory, College of Pharmacy and Department of Medicine,

Dalhousie University, Halifax, NS, Canada, bDepartments of Pediatric Oncology, Microbiology and Immunology, IWK Health Centre and Dalhousie University, Halifax, NS.

37. Pharmacokinetics, Pharmacodynamics and Assay Development of 3'-hydroxypterostilbene  
Jody K. Takemoto<sup>1</sup>, Karina R. Vega-Villa<sup>1</sup>, Connie M. Remsberg<sup>1</sup>, Rebecca Bertram<sup>2</sup>, and Neal M. Davies<sup>1</sup>. <sup>1</sup>Department of Pharmaceutical Sciences and Pharmacology and Toxicology Graduate Program, <sup>2</sup>Summer Undergraduate Research Fellowship Program, Washington State University, Pullman, Washington, USA
38. The Effect of Increased Lipoprotein Levels on the Pharmacokinetics of Ketoconazole Enantiomers in Rat  
Dalia A. Hamdy and Dion R. Brocks. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Canada
39. Glucosamine Prevents Adjuvant Arthritis and Restores Diminished Response to Verapamil Caused by Inflammation  
Mohammadhossein Gilzad Kohan, Fakhreddin Jamali. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Canada
40. Metabolite Disposition of the Repellent DEET and the Sunscreen Oxybenzone in Rats 95  
Daryl Fediuk, Xiaochen Gu. Faculty of Pharmacy, University of Manitoba, Winnipeg, MB, Canada.

## **AFPC POSTER PRESENTATIONS DAY 1 THURSDAY, JUNE 3, 2010**

### **BASIC SCIENCE**

41. Optimization of Nasal Tissue Culture Conditions for SLC Transporters Gene Expression  
Di Shao<sup>1</sup>, Elizabeth Cowley<sup>2</sup>, Emad Massoud<sup>3</sup>, Ken Renton<sup>4</sup>, Remigius U. Agu<sup>1</sup>. <sup>1</sup>Biopharmaceutics and Drug Delivery Laboratory, <sup>2</sup>Department of Physiology, <sup>3</sup>Department of Surgery, <sup>4</sup>Department of Pharmacology, Dalhousie University, Halifax, NS, Canada.
42. Local Anesthetic-like and N-Methyl-D-Aspartate (NMDA) Receptor Blocking Effects of Intramuscularly Injected Ketorolac  
Xu-Dong Dong, BDS, PhD, and Brian E. Cairns, RPh, ACPR, PhD. Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC
43. Protein Arginine N-Methyltransferase Inhibitors Bearing an NG-modified L-Arginine Residue  
Ted M. Lakowski<sup>1</sup>, Peter 't Hart<sup>2</sup>, Christopher A. Ahern<sup>3</sup>, Nathaniel I. Martin<sup>2</sup>, Adam Frankel<sup>1</sup>. <sup>1</sup>Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, B.C., Canada. <sup>2</sup>Department of Medicinal Chemistry & Chemical Biology, University of Utrecht, Utrecht, The Netherlands. <sup>3</sup>Department of Anesthesiology, University of British Columbia, Vancouver, British Columbia, Canada.
44. Characterization of organic cation transporters in human bronchial cell line (Calu 3)  
MacDonald Christopher<sup>1</sup>, Di Shao<sup>1</sup>, Elizabeth Cowley<sup>2</sup>, Emad Massoud<sup>3</sup>, Ken Renton<sup>4</sup>, Remigius U. Agu<sup>1</sup>. <sup>1</sup>Biopharmaceutics and Drug Delivery Laboratory, <sup>2</sup>Department of Physiology, <sup>3</sup>Department of Surgery, <sup>4</sup>Department of Pharmacology, Dalhousie University, Halifax, NS, Canada.
45. GPR103b, a New G Protein-coupled Receptor, Mediates the RFamide Peptides QRFPs Regulation of Peripheral Adipogenesis  
M. Mulumba<sup>1</sup>, C. Jossart<sup>1</sup>, M. Servant<sup>1</sup>, S. Marleau<sup>1\*</sup> and H. Ong<sup>1,2</sup>. <sup>1</sup>Faculty of Pharmacy and <sup>2</sup>Department of Pharmacology, University of Montreal, Quebec, Canada. \* Presenting author
46. A New Approach to Improve Survival of Human Islets during Pre-Transplant Culture

1Peter Tingyao Lin, 2Iris Minhea Kim, Hao Chen, Nooshin Safikhan, Lucy Marzban. Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada. 1,2Contributed equally to this work

## **EDUCATION AND TEACHING RESEARCH**

47. Development of an Oral Examination in a Pharmacotherapeutics Course for a Large Class  
Amita Woods, Gary Wong, Olavo Fernandes, Lalitha Raman-Wilms. Leslie Dan Faculty of Pharmacy, University of Toronto
48. Reinforcing Professionalism in Pharmacy Students Beginning Senior Experiential Rotations  
Lesley Lavack, Annie Lee and Katrina Mulherin. Leslie Dan Faculty of Pharmacy, University of Toronto
49. Effective Delivery of an Interprofessional Problem-based Learning Module to Health and Human Service Students at the University of British Columbia  
Lynda Eccott<sup>1</sup>, Christie Newton<sup>2</sup>, Victoria Wood<sup>3</sup>, Wendy Hall<sup>4</sup>, Michael Lee<sup>5</sup>, Alison Greig<sup>6</sup>.  
<sup>1</sup>Faculty of Pharmaceutical Sciences, <sup>2</sup>Department of Family Practice, <sup>3</sup>College of Health Disciplines, <sup>4</sup>Faculty of Nursing, <sup>5</sup>Department of Occupational Science and Occupational Therapy, and <sup>6</sup>Department of Physical Therapy, University of British Columbia, Vancouver, British Columbia, Canada.
50. Pilot Test of Multiple Mini Interviews as an Admissions Tool for a Pharmacy Degree Program  
Andrea J. Cameron, Linda D. MacKeigan. Leslie Dan Faculty of Pharmacy, University of Toronto.
51. Demonstration Project to build Practice Education in Residential Care (RC) Facilities in British Columbia  
Rosemin Kassam, Mona Kwong, Angela Kim-Sing. Faculty of Pharmaceutical Sciences, University of British Columbia
52. The Virtual Classroom - Linking Experiential Education across Alberta  
Cheryl Cox BSP, MBA; Marlene Gukert, B.Sc.(Pharm). Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta
53. Preparing Pharmacy Students for Multicultural Practice in Canada – The Integration of Cultural Competence Into an Undergraduate Pediatrics/Geriatrics Module  
Cheryl A. Sadowski, Marlene Gukert. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
54. Appetizers and Entrees: Who is Serving up What in the Classroom?  
Colleen M. Brady HBSc(Bio), BSc(Pharm). University of British Columbia
55. Community Service Learning: Do Wellness Presentations to Seniors Improve Communication Competencies?  
Colleen M. Brady HBSc(Bio), BSc(Pharm). Faculty of Pharmaceutical Sciences, University of British Columbia
56. Facilitated Patient Interview as a Strategy to Improve Student Performance in an OSCE-based Pharmacy Practice Course  
Debra M. Moy<sup>1</sup>, B. Sc. Pharm., Jana Bajcar<sup>1,2</sup>, M.Sc. Phm., Ed.D. <sup>1</sup>Leslie Dan Faculty of Pharmacy, <sup>2</sup>Faculty of Medicine, University of Toronto
57. The Use of a Direct Observation Booklet to Evaluate Students During a Community Pharmacy Rotation  
Ema Ferreira<sup>1,2</sup>, Marie Dubois<sup>1</sup>. <sup>1</sup>Faculté de pharmacie, Université de Montréal, <sup>2</sup>CHU Ste-Justine, Montréal, Québec

## **PHARMACY PRACTICE RESEARCH**

58. Nova Scotian Pharmacists' Knowledge and Experiences Providing the Emergency Contraceptive Pill  
Anne Marie Whelan<sup>1</sup>, Donald Langille<sup>2</sup>, Eileen Hurst<sup>1</sup>, Sandra Aylward<sup>3</sup>, Susan Wedlake<sup>4</sup>. <sup>1</sup>College of Pharmacy Dalhousie University, Halifax, NS; <sup>2</sup>Department of Community Health & Epidemiology, Dalhousie University; <sup>3</sup> Professional and Regulatory Affairs, Sobeys Pharmacy Group, Dartmouth, NS; <sup>4</sup> Nova Scotia College of Pharmacists, Halifax, NS
59. Validation of a Tool for Pharmacists and Health Professionals to Assess Intake, Knowledge, Attitudes, and Beliefs Regarding Calcium and Vitamin D  
Cheryl A. Sadowski, Nese Yuksel. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
60. Community Pharmacists' Direct Access to Laboratory Values: An Exploratory Case Study  
Christine A. Hughes, Lisa M. Guirguis. Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta, Edmonton, AB
61. Searching for Even a Trickle of Flow and Engagement in the Practice of Pharmacy  
Katrina Mulherin and Zubin Austin. Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON
62. Characterisation of Antibiotic Use in a Long-term Care Setting in the Edmonton Region: Do Bugs Need Drugs? A Multidisciplinary Team Approach  
Sharon Mitchell<sup>1</sup>, Ernest Law<sup>1</sup>, Mary Carson<sup>3</sup>, Sandra Leung<sup>2</sup>. <sup>1</sup>Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, <sup>2</sup>Do Bugs Need Drugs? Edmonton, Alberta, <sup>3</sup>Alberta Health Services, Edmonton, Alberta.

## **SOCIAL AND ADMINISTRATIVE RESEARCH**

63. Canadian Drug Evaluation Capacity: a Looming Crisis  
Judith A. Soon<sup>1</sup>, Matthew O. Wiens<sup>2</sup>, Stuart M. MacLeod<sup>3</sup>, Sunaina Sharma<sup>4</sup>. <sup>1</sup> UBC Faculty of Pharmaceutical Sciences <sup>2</sup>UBC School of Population & Public Health <sup>3</sup>Child and Family Research Institute <sup>4</sup>Community of Federal Regulators, Health Canada.
64. Corporate Social Responsibility in the Canadian Pharmaceutical Industry  
Tim West and Roy Dobson. College of Pharmacy & Nutrition, University of Saskatchewan, Saskatoon, Saskatchewan.

## **UNIVERSITY POSTERS**

65. University of Alberta  
66. University of Manitoba  
67. University of Toronto  
68. University of Montrea  
69. Dalhousie University

## CSPS POSTER PRESENTATIONS DAY 2

### FRIDAY, JUNE 4, 2010

#### BIOMEDICAL SCIENCES

70. Development of Short-hairpin RNA that Targets Intracellular Signalling Molecule – Smad1  
Yuewen Gong, Yining Li, Weisi Kong, Hong Shen, Frank J. Burczynski. Faculty of Pharmacy, University of Manitoba, Winnipeg, Manitoba, Canada.
71. Modulation of Cardiac Metabolism by  $\beta$ -blockers During Diabetes: A Role in Apoptosis Signaling  
Varun V. Saran\*, Vijay Sharma\*\*, Violet G. Yuen\*\*\*, Rich Wambolt\*, Michael F. Allard\* and John H. McNeill\*\*\*. \*University of British Columbia, Department of Pathology and Laboratory Medicine, Vancouver, BC; \*\*BMJ Evidence Centre, British Medical Journal, London, United Kingdom; \*\*\*University of British Columbia, Faculty of Pharmaceutical Sciences, Vancouver, BC
72. Effect of Phenobarbital on Markers of Cell Viability, Oxidative Stress, and Necrosis in Primary Cultures of Rat Hepatocytes Treated with Valproic Acid  
Jayakumar Surendraddoss, Frank S. Abbott, and Thomas K. H. Chang. Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, BC, Canada.
73. Prodrug Development to Stimulate Bone Growth and Simultaneously Inhibit Bone Decay  
Steve Arns, Romelo Gibe, M. Monzur Morshed and Robert N. Young. Dept. of Chemistry, Simon Fraser University, Burnaby BC
74. Naturally Occurring Variants of Human Aldo-keto Reductases Alter in vitro Metabolism of Doxorubicin and Daunorubicin  
Onkar S. Bains, Thomas A. Grigliatti, Ronald E. Reid, and K. Wayne Riggs. Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada (O.S.B., K.W.R.); Life Sciences Institute, Department of Zoology, Faculty of Science, University of British Columbia, Vancouver, British Columbia, Canada (T.A.G.); Division of Biomolecular and Pharmaceutical Chemistry, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada (R.E.R.)
75. Cellular Antioxidant Effect of Diltiazem and Silymarin  
1David Nguyen, 1Yufei Chen, 1Jing Yan, 1,2Frank J. Burczynski. 1Faculty of Pharmacy, and 2Department of Pharmacology, Faculty of Medicine, University of Manitoba, Winnipeg, Manitoba, Canada.
76. Inhibition of Soluble Epoxide Hydrolase Confers Cardioprotection Against Benzo(a)pyrene–induce Cardiac Hypertrophy in Rats  
Mona E. Aboutabl1, Beshay N.M. Zordoky1, Bruce D. Hammock2 and Ayman O.S. El-Kadi1. 1Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada; 2Department of Entomology and Cancer Research Center University of California, Davis, CA.
77. Harman is a Novel Aryl Hydrocarbon Receptor Ligand  
Mohamed El Gendy and Ayman El-Kadi. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada
78. The Effect of Nrf2 Knockout on the Constitutive Expression of Drug Metabolizing Enzymes in C57Bl/6 Mice Livers  
Anwar Anwar-Mohamed1, Owen S. Degenhardt1, Mohamed A. El Gendy1, John M. Seubert1, Steve Kleeberger2, Reuben Howden2, and Ayman O.S. El-Kadi1. 1Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada; 2Laboratory of Respiratory Biology, National Institutes of Health/NIEHS, Research Triangle Park, USA

79. Differences in Once a Day Nifedipine Pharmacokinetic Profiles Lead to Clinically Relevant Changes  
Corey Toal, University of Toronto, Dept. Pharmacology, Toronto, Canada, P. Timothy Pollak, University of Calgary, Dept. Medicine, Calgary, Canada, Henning Blume, Socra Tec R&D, Oberursel, Germany, and Erich Brendel, Bayer HealthCare, Berlin, Germany.
80. Qualitative Investigation of Barriers to Accessing Health Services by Injection Drug Users in Saskatoon Health Region  
Katherine Lang<sup>1</sup>, Anas El-Aneed<sup>1,\*</sup>, Colleen Anne Dell<sup>2</sup>, Judith Wright<sup>3</sup>, Zoe Teed McKay<sup>4</sup>, Shawna Berenbaum<sup>1</sup>. 1) College of Pharmacy and Nutrition, University of Saskatchewan, 110 Science Place, Saskatoon, SK, Canada; 2) Department of Sociology & School of Public Health, College of Arts and Science, University of Saskatchewan; 3) Public Health Services, Saskatoon Health Region; 4) Youth Stabilization Unit, Mental Health and Addictions Services, Saskatoon, SK.
81. Disease-Drug Interaction: Reduces Response to Verapamil Despite Increased Concentration in Active Crohn's Disease  
Forough. Sanaee, Jonh D. Clements, Alistair Waugh, Richard Fedorak, Richard Lewanczuk, Fakhreddin Jamali. Faculties of Pharmacy and Medicine, University of Alberta, Edmonton, Alberta, Canada.

## **DRUG DELIVERY AND PHARMACEUTICAL TECHNOLOGY**

82. Peritoneal Retention and Tissue Distribution of Labeled Liposomes after Intraperitoneal Injection to Mice: Effects of Lipid Composition and PEG Coating  
S. Dadashzadeh<sup>1</sup>, N. Mirahmadi<sup>1</sup>, A. M. Vali<sup>2</sup>, M. H. Babaei<sup>3</sup>. 1Department of Pharmaceutics, School of Pharmacy, Shaheed Beheshti Medical Sciences University, Tehran, Iran; 2Department of Pharmaceutics, School of Pharmacy, Zanjan University of Medical Sciences, Zanjan, Iran; 3 Radioisotope Division, Nuclear Research Center, Atomic Energy Organization of Iran, Tehran, Iran.
83. Pulmonary Toxicity of Polysorbate-80-coated Inhalable NPs; in vitro and in vivo Evaluation  
MHD Kamal Al-Hallak 1-2, Shirzad Azarmi 2-3, Chris Sun 4, Patrick Lai 4, Elamr J Prenner 4, Wilson H Roa 5 and Raimar Löbenberg 1. 1 Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada; 2 Faculty of Pharmacy and Pharmaceutical Sciences, Damascus University, Damascus, Syria. 3 Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran; 4 Department of Biological Sciences, University of Calgary, Calgary, Alberta, Canada; 5 Cross Cancer Institute, University of Alberta, Edmonton, Alberta, Canada.
84. Isothermal Microcalorimetry as a Quality by Design Tool to Determine Optimal Blending Sequences  
MHD Kamal Al-Hallak<sup>1-3</sup>, Shirzad Azarmi<sup>1</sup>, Zhenghe Xu<sup>2</sup>, Yadollah Maham<sup>2</sup>, Raimar Löbenberg<sup>1</sup>. 1 Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB; 2 Department of Chemical and Materials Engineering, Faculty of Engineering, University of Alberta, Edmonton, AB, Canada. 3 Faculty of Pharmacy, Damascus University.
85. Microcalorimetric Method to Assess Macrophage-Nanoparticle Interaction; Phagocytosis  
MHD Kamal Al-Hallak 1-2, Shirzad Azarmi 1-3, M.H.Gilzad Kohan<sup>1</sup>, Anwar Anwar-Mohamed<sup>1</sup>, Wilson H. Roa 4, Raimar Löbenberg<sup>1</sup>. 1 Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada; 2 Faculty of Pharmacy and Pharmaceutical Sciences, Damascus University, Damascus, Syria; 3 Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran; 4 Cross Cancer Institute, University of Alberta, Edmonton, Alberta, Canada.
86. Impact of the Harmonized Specifications on the Performance of the Disintegration Test  
Introduction  
May Almukainzi<sup>1</sup>, Mahnor Salehi<sup>1</sup>, Nadia Araci Bou Chacra<sup>2</sup>, Raimar Löbenberg<sup>1,3</sup>. 1Department of Pharmacy & Pharmaceutical Science, University of Alberta., Edmonton, AB, Canada; 2Department of

Pharmaceutical Science, University of Sao Paulo, Brazil; 3To whom correspondence should be addressed. Dr. Raimar Löbenberg.

87. The Rupture Test as a Performance Test for Soft Shell Capsules  
May Almukainzi<sup>1</sup>, Mahnor Salehi<sup>1</sup>, Nadia Araci Bou Chacra<sup>2</sup>, Raimar Löbenberg<sup>1,3</sup>. <sup>1</sup>Department of Pharmacy & Pharmaceutical Science, University of Alberta., Edmonton, AB, Canada; <sup>2</sup>Department of Pharmaceutical Science, University of Sao Paulo, Brazil; <sup>3</sup>To whom correspondence should be addressed. Dr. Raimar Löbenberg
88. Formulation of Curcumin Loaded Nanoparticles for Improving Brain Targeting to Treat Alzheimer's Disease  
Jasjeet Kaur Sahni<sup>1</sup>, Sihem Dogui<sup>1</sup>, Lé Dao<sup>2</sup> and Charles Ramassamy<sup>1</sup>. <sup>1</sup>: INRS-Institut Armand-Frappier, Laval, Québec; <sup>2</sup>: INRS-EMT, Varennes, Québec, Canada.
89. Self-Assembling Rosette Nanotubes as a Novel Delivery System for siRNA  
Aws Alshamsana<sup>a,b</sup>, Mounir El Bakkaria<sup>c</sup>, Hicham Fenniria<sup>c\*</sup>. <sup>a</sup>National Institute for Nanotechnology (NINT-NRC), University of Alberta; <sup>b</sup>Department of Pharmaceutics, College of Pharmacy, King Saud University; <sup>c</sup>Department of Chemistry, Faculty of Sciences, University of Alberta
90. Controlled Release of Alendronate from Nanocomposite Films for Periodontal Application  
Michelle Chakraborti, John K. Jackson and Helen M. Burt. Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada
91. Improvement of Extraction Efficiency of Unbound Radiolabeled Compounds in Microsomal Bioactivation and Binding Studies  
Hao Chen<sup>1</sup>, Heather Webb<sup>1</sup>, Xiaowei Teng<sup>2</sup>, David Kwok<sup>2</sup>, Albert Li<sup>2</sup>, Chandler Zhang<sup>2</sup>, Elaine Leung<sup>2</sup>, and Roger Ulrich<sup>1</sup>. <sup>1</sup>Calistoga Pharmaceuticals, Seattle, WA, USA 98121; <sup>2</sup>BRI Inc. Vancouver, BC, Canada.
92. Development of a Novel Micelle Formulation and Pharmacometrics of the mTor Inhibitor, Deforolimus  
Connie M. Remsberg<sup>1,2</sup>, Jody K. Takemoto<sup>1,2</sup>, Rebecca M. Bertram<sup>1</sup>, M. Laird Forrest<sup>3</sup>, and Neal M. Davies<sup>1</sup>. <sup>1</sup>Department of Pharmaceutical Sciences, <sup>2</sup>Pharmaceutical Science Graduate Program, Washington State University, Pullman, Washington, USA, <sup>3</sup>Department of Pharmaceutical Chemistry, University of Kansas, Lawrence, KS, USA
93. Bone-targeting Salmon Calcitonin Analogue: Synthesis, Characterization and in vivo Evaluation  
Krishna Hari Bhandari, Madhuri Newa and Michael R. Doschak. Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta, Edmonton, Canada
94. Preclinical Evaluation of an Oral Micellar Formulation of SN38  
Dorothee Le Garrec, Corinne Benquet, David Lessard, Piotr Kujawa, Wilms Baille, Dana Palusova, Leonardo Juverdianu and Damon Smith. Labopharm Inc, Laval, QC, Canada.
95. Characterization of Nano-carriers Formed from Self Assembly of Methoxy Poly(ethylene oxide)-block-poly( $\alpha$ -benzyl carboxylate- $\epsilon$ -caprolactone) for the Solubilization and in vivo Delivery of Valspodar  
Ziyad Binkhathlan<sup>1</sup>, Sara El Hasi<sup>1</sup>, Dion R. Brocks<sup>1</sup>, and Afsaneh Lavasanifar<sup>1, 2\*</sup>. <sup>1</sup> Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada; <sup>2</sup> Department of Chemical and Material Engineering, University of Alberta, Edmonton, Alberta, Canada.
96. Tumor Targeted Polymeric Micelles for Co-Delivery of Sirna and Anticancer Drugs: A New Strategy for Chemo-Sensitization of Resistant Tumors

Xiao-Bing Xiong and Afsaneh Lavasanifar. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Canada

#### **PHARMACEUTICAL AND ANALYTICAL CHEMISTRY**

97. The Evaluation of a Mouse Dried Blood Spot Serial Sampling Technique to Provide Blood PK Data during Pharmacology Studies

Xiaowei Teng, Chandler Zhang, Elaine Leung, Alan Yeung, Tina Liu and David Kwok. BRI Biopharmaceutical Research Inc., Vancouver, BC, Canada.

98. A Sensitive HPLC Assay of Glucosamine in Biological Samples

Alyaa S. A. Ibrahim and Fakhreddin Jamali. Faculty of Pharmacy and Pharmaceutical Science, University of Alberta, Edmonton, Canada.

#### **PHARMACOKINETICS AND PHARMACODYNAMICS**

99. Hemodynamic Response to Exercise in Normotensive SD Rats and SHR in vivo

Pollen K.F. Yeung, Julie Dauphinee, and Tanya Marcoux. aPharmacokinetics and Metabolism Laboratory, College of Pharmacy and Department of Medicine, Dalhousie University, Halifax, NS, Canada

100. Effect of Postprandial Hypertriglyceridemia on the Pharmacokinetics and Blood Brain Barrier Penetration of Clozapine and Norclozapine in Rats

Pavel Gershkovich<sup>1</sup>, Olena Sivak<sup>1</sup>, Aishwariya Sharma<sup>1</sup>, Alasdair M. Barr<sup>2</sup>, Ric Procyshyn<sup>3</sup>, Kishor M. Wasan<sup>1</sup>. <sup>1</sup>Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada, <sup>2</sup>Department of Anesthesiology, Pharmacology and Therapeutics, University of British Columbia, Vancouver, BC, Canada, <sup>3</sup>BC Mental Health and Addictions Research Institute, Vancouver, BC, Canada

101. Characterization of P-glycoprotein Transport in a Novel Human Proximal Tubule Cell Line

Jenna O. McNeil<sup>1</sup>, Philip D. Acott<sup>2</sup>, Kerry B. Goralski<sup>1,3</sup>. <sup>1</sup>College of Pharmacy, Faculty of Health Professions, Dalhousie University; <sup>2</sup>Division of Nephrology, Department of Pediatrics, Faculty of Medicine, Dalhousie University; <sup>3</sup>Department of Pharmacology, Faculty of Medicine, Dalhousie University, Halifax, NS.

102. Pharmacokinetics, and Pharmacodynamics and Liquid Chromatography Mass Spectrometry Assay Methodology of  $\beta$ -glucogallin and Gallic Acid

Jody K. Takemoto and Neal M. Davies. Department of Pharmaceutical Sciences, Pharmacology and Toxicology Graduate Program, Washington State University, Pullman, Washington

103. Characterization of the Pharmacokinetics and Pharmacological Activities of Gnetol

Connie M. Remsberg<sup>1, 2</sup>, Jody K. Takemoto<sup>1, 2</sup>, Rebecca M. Bertram<sup>1</sup>, and Neal M. Davies<sup>1</sup>. <sup>1</sup>Department of Pharmaceutical Sciences, <sup>2</sup>Pharmaceutical Science Graduate Program, Washington State University, Pullman, Washington, USA,

104. The Effect of Hyperlipidemia on P-glycoprotein Activity in Porcine and Rat Renal Cell Line Models

Marwa E. Elsherbiny, Ayman O. El-Kadi and Dion R. Brooks\*. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta

105. In vivo Evaluation of Mucoadhesive Docetaxel for Intravesical Treatment of Nonmuscle-invasive Bladder Cancer

C. Mugabe<sup>1</sup>, Y. Matsui<sup>2</sup>, A.I. So<sup>2,3</sup>, M.E. Gleave<sup>2,3</sup>, D.E. Brooks<sup>4</sup>, H.M. Burt<sup>1</sup>. <sup>1</sup>Division of Pharmaceutics and Biopharmaceutics, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada; <sup>2</sup>The Prostate Centre at Vancouver General Hospital, Vancouver, BC, Canada; <sup>3</sup>Department of Urologic Sciences, University of British Columbia, Vancouver, BC,



## **AFPC POSTER PRESENTATIONS DAY 2 FRIDAY, JUNE 4, 2010**

### **BASIC SCIENCE**

106. Effect of Resveratrol on Resistance Artery Compliance and Remodeling in the Spontaneously Hypertensive Rat  
John Behbahani,<sup>1,2</sup> Melanie A. Kopilas,<sup>2</sup> Sijo J. Thandapilly,<sup>2</sup> Peter Wojciechowski,<sup>2</sup> Thomas Netticadan,<sup>2</sup> Hope D. Anderson<sup>1,2</sup>. <sup>1</sup>Faculty of Pharmacy, University of Manitoba, <sup>2</sup>Canadian Centre for Agri-Food Research in Health and Medicine, St. Boniface General Hospital Research Centre
107. Construction of an Improved Gene Delivery Platform  
Nafiseh Nafissi, Roderick A. Slavcev. School of Pharmacy, University of Waterloo, Ontario
108. Effect of the Metabotropic Glutamate Receptor Type 5 Antagonists MPEP and MTEP in Parkinsonian Monkeys  
Nicolas Morin, Laurent Grégoire and Thérèse Di Paolo. Molecular Endocrinology and Genomic Research Center, Laval University Medical Center (CHUL-CHUQ) and Faculty of Pharmacy, Laval University, Quebec, Canada.
109. Design, Construction and Characterization of Trastuzumab-conjugated Gold Nanoparticles (AuNPs) for Enhanced X-radiation Treatment of Locally Advanced Breast Cancer (LABC)  
N. Chattopadhyay<sup>1</sup>, Z. Cai<sup>1</sup>, B. Keller<sup>4</sup>, E. Lechtman<sup>2</sup>, J-P. Pignol<sup>2,5</sup>, R. Bendayan<sup>1</sup> and R.M. Reilly<sup>1,3,6</sup>. <sup>1</sup>Departments of Pharmaceutical Sciences, <sup>2</sup>Medical Biophysics and <sup>3</sup>Medical Imaging and <sup>4</sup>Institute of Medical Sciences, University of Toronto; <sup>5</sup>Department of Radiation Oncology, Sunnybrook and Women's Health Sciences Centre; <sup>6</sup>Toronto General Research Institute, University Health Network, Toronto, ON, Canada
110. Protein Arginine N-Methyltransferase 1 and 2 Heterodimerization: A New Enzyme?  
Magnolia L. Pak, Ted M. Lakowski, Dylan Thomas, Kristina Hüsecken, Adam Frankel. Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, B.C., Canada
111. Telomerase Inhibition Potentiates the Genotoxic Effects of DNA-Damaging Agents in Breast and Colorectal Cancer Cells  
Raina A Tamakawa, Helen B Fleisig, Judy MY Wong. Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada
112. Suitability of MDCK Cell Line as a Tool for Intestinal Permeability Screening of Antineoplastic Compounds  
Ravi Shankar Prasad Singh, Deborah Michel, Umashankar Das, Jonathan Dimmock, Jane Alcorn. Drug Design and Discovery Research Group, College of Pharmacy and Nutrition, University of Saskatchewan, Saskatoon, SK
113. Mechanism of High Glucose-Induced Activation of the RhoA/Rho-Kinase Pathway in Primary Cardiomyocytes  
Sandy YH Lu, Hesham Soliman, Kathleen M MacLeod. Faculty of Pharmaceutical Sciences, Department of Pharmacology and Toxicology, University of British Columbia
114. Förster Resonance Energy Transfer Measurements of Cofactor-Dependent Effects on Protein Arginine N-Methyltransferase Homodimerization

Dylan Thomas, Ted M. Lakowski, Magnolia L. Pak, Jenny J. Kim, Adam Frankel. Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, B.C., Canada

115. Effects of HIV Reverse Transcriptase Inhibitors on Human Telomerase  
Kyle Hukezalie<sup>1</sup> and Judy MY Wong<sup>1,2</sup>. <sup>1</sup>Genetics Graduate Program and <sup>2</sup>Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada
116. Development of A High Performance Liquid Chromatographic Assay for the Simultaneous Determination of Midazolam and Ketoconazole in Rat Plasma and Its Application in a Drug Interaction Study  
Dalia A. Hamdy and Dion R. Brocks. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
117. Intestinal Permeability, Uptake and Metabolism of Flaxseed and Mammalian Lignans in the Caco-2 Cell Monolayer  
Jatinder Kaur Mukker<sup>1</sup>, Deborah Michel<sup>1</sup>, Ed. S. Krol<sup>1</sup>, Alister D. Muir<sup>2</sup>, and Jane Alcorn<sup>1</sup>. <sup>1</sup>Drug Design and Discovery Research Group, College of Pharmacy and Nutrition, University of Saskatchewan, Saskatoon, SK; <sup>2</sup>Agriculture and Agri-Food Canada, Saskatoon Research Centre, Saskatoon, SK

## **EDUCATION AND TEACHING RESEARCH**

118. A New Analogy for Teaching the Well-stirred Model to Pharmacy Students  
Arden R. Barry, Mary H.H. Ensom, Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada.
119. The Influence of Emotional Intelligence (EI) Training on EI skills in First Year Pharmacy Students at the University of British Columbia  
Wendy Gaudet and Ingrid Price. Faculty of Pharmaceutical Sciences, The University of British Columbia
120. Implementation of a Health Sciences Interfaculty Curriculum on Interprofessional Collaboration at Université de Montréal  
Marie-Claude Vanier<sup>2</sup>, Paule Lebel<sup>1</sup>, Hélène Lefebvre<sup>3</sup>, Pierre-Yves Therriault<sup>5</sup>, Richard Ratelle<sup>1</sup>, Andrée Boucher<sup>1</sup>, France Nolin<sup>4</sup>, Louise St-Denis<sup>4</sup>, Jean-François Bouchard<sup>1</sup>, Nathalie Caire Fon<sup>1</sup>, Marie-Josée Levert<sup>3</sup>, Louis-Georges Ste-Marie<sup>1</sup>. Université de Montréal: <sup>1</sup>Medicine; <sup>2</sup>Pharmacy; <sup>3</sup>Nursing; <sup>4</sup>Nutrition; <sup>5</sup>Occupational therapy.
121. Research to Develop and Evaluate a Professional Development Course for Pharmacists in Women's Health  
Nesé Yuksel and Theresa J. Schindel. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton
122. Development of an Online Pharmacy Clinical Instructor Education Program (CIEP)  
Rosemin Kassam, Mona Kwong, Angela Kim-Sing. Faculty of Pharmaceutical Sciences, University of British Columbia.
123. Bringing Critical Thinking and Writing Skills to Life  
Cheryl A. Sadowski, Marlene Gukert. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
124. Re-evaluation and Revision of the Neurology Practice Laboratory  
Cheryl A. Sadowski, Darren Pasay, Hoan Linh Banh. Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, Alberta, Canada.
125. Understanding the Scope of Practice in the Context of Laws and Ethics for Pharmacy Students and Pharmacy Technician Students  
Ravina Sanghera, Cheryl Cox, Hoan Linh Banh. University of Alberta, Faculty of Pharmacy and Pharmaceutical Sciences

126. Pharmacist Initiative: Fetal Alcohol Spectrum Disorder (FASD) Awareness and Prevention Research Project

Sharon Mitchell<sup>1</sup>, Karen Mills<sup>2</sup>, Tara Hanson<sup>3</sup> on behalf of the Alberta FASD Advisory Committee. <sup>1</sup>Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, <sup>2</sup>Alberta College of Pharmacists (ACP), <sup>3</sup> The Alberta Centre for Child, Family and Community Research, Edmonton, Alberta.

**PHARMACY PRACTICE RESEARCH**

127. The Impact of a Multidisciplinary Toxicity Assessment Monitoring Program within an Ambulatory Capecitabine-Radiation Oncology Clinic

Meghan S. Wall, Scott J. I. Edwards, Jonathan L. Edwards, Rick I.C. Abbott. Dr. H. Bliss Murphy Cancer Center, St. John's, Newfoundland and Labrador.

128. Oculogyric Crises with Atypical Antipsychotics: A Case Series

Melissa Hawkins<sup>1</sup>, David Gardner<sup>1,2</sup>, Zenovia Ursuliak<sup>2</sup>, Sabina Abidi<sup>2</sup>, Michael Teehan<sup>2</sup>. <sup>1</sup>College of Pharmacy, Dalhousie University, <sup>2</sup>Department of Psychiatry, Dalhousie University

129. The Pharmaceutical Care Clinic

Polly Kwok, Alan Low, James McCormack, and Tessa Nicholl. Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC

130. Optimizing the Management of Hemodialysis Catheter Occlusion

Ahmed S. Abdelmoneim<sup>1</sup>, Lisa M. Miller<sup>2,3</sup>, Sean Armstrong<sup>2,3</sup>, Manish M. Sood<sup>2,3</sup>, Lori Wazny<sup>3</sup> and Lavern M. Vercaigne<sup>1,3</sup>. <sup>1</sup>Faculty of Pharmacy, <sup>2</sup>Faculty of Medicine, Section of Nephrology, University of Manitoba and <sup>3</sup>Manitoba Renal Program, Winnipeg, Manitoba, Canada.

131. All-cause Mortality in Elderly Persons Treated with Antipsychotics in Manitoba

Irina Vasilyeva<sup>1</sup>, Silvia Alessi-Severini<sup>1</sup>, Robert G. Biscontri<sup>2</sup>, Colleen J. Metge<sup>1</sup>, David M. Collins<sup>1</sup>, Murray W. Enns<sup>3</sup>. <sup>1</sup>Faculty of Pharmacy, University of Manitoba, <sup>2</sup>Department of Accounting and Finance, Asper School of Business, University of Manitoba, <sup>3</sup>Department of Psychiatry, Faculty of Medicine, University of Manitoba, Winnipeg, Manitoba, Canada

132. Systematic Review of Osteoporosis Interventions in Pharmacy Practice

Mary N. Elias, Andrea M. Burden, Suzanne M. Cadarette. Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON Canada

133. Drug-Induced Hepatic Cholestasis in the ICU: A Case Control Study

David Williamson<sup>1</sup>, Marie-Eve Bédard Dufresne<sup>2</sup>; Valérie Bonhomme<sup>3</sup>; Martin Albert<sup>1</sup>; Colin Verdant<sup>1</sup>; Anne Julie Frenette<sup>1</sup>. <sup>1</sup>HSCM, Montreal Canada; <sup>2</sup>CH Honore-Mercier, St-Hyacinthe Canada; <sup>3</sup>HMR, Montreal Canada

**UNIVERSITY POSTERS**

134. University Laval

135. University of British Columbia

136. University of British Columbia

137. University of Saskatchewan

138. University of Waterloo

AFPC Poster Abstracts for 2010 have been published in the CSPS online journal. - <http://ejournals.library.ualberta.ca/index.php/JPPS/> The citation is: Journal of Pharmacy & Pharmaceutical Sciences, Vol 13 No 3 (2010) 1s-154s.

AFPC Abstracts can be found as follows: Day 1, Thursday June 3, 2010 pages 92-105; Day 2, Friday June 4, 2010 pages 130-145.

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## **PART 2.0**

# **MINUTES OF AFPC MEETINGS**

**2009 - 2010**



**AFPC**

Association of Faculties of Pharmacy of Canada  
Association des Facultés de Pharmacie du Canada

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## **MID-YEAR COUNCIL MEETING MINUTES**

**February 6-7, 2010**

**Faculty Council Room – 1210  
Leslie Dan Faculty of Pharmacy  
144 College Street  
Toronto, ON**

**Saturday, February 6, 2010:**

**1:00 – 2:00 PM: Nancy Winslade, BSc Phm, Pharm D, M. H. P. E., Faculties of Medicine and Epidemiology and Biostatistics, McGill University, Montréal: Progress of Task Force Project to update the Educational Outcomes for Entry to Practice Degrees in Pharmacy.**

Nancy gave her presentation, updating the progress made by the task force since we last met in Halifax. Draft #10 dated January 2010 was available to council for review. Nancy stated that considerable feedback was obtained from the Faculties and based on that, key changes have been incorporated into the document. Nancy gave considerable credit to the hard work and dedication of the task force members: Tom Brown, Claude Mailhot, Terri Schindel and Nancy Waite. Based on the discussions with the Deans at their annual meeting last October, the task force had proceeded to create one set of educational outcomes for the first professional degree in pharmacy. The CanMeds format was used and supplemented with pharmacy specific language. The central educational outcome was to graduate medication therapy experts. Patient care is emphasized in the document. Following feedback from the Faculties, the difference between dispensing and distribution of drugs has been clarified and explicit reference was made to the role of graduates in managing both pharmacy staff and distribution systems. Seven educational outcomes have been identified. The order of the educational outcome titles was presented as Scholar, Care Giver, Advocate,

Collaborator, Manager, Communicator, and Professional. Much like the Deans session with Nancy the day previous, there was considerable discussion about the use of Scholar to describe an educational outcome. The term “close call” in the document was also discussed at length. This term came from Canadian Patient Safety Institute language and it was agreed this would be retained. Nancy laid out next steps for the educational outcomes noting that the document would now be circulated to stakeholders for feedback. If Faculties had further comments and suggested revisions, these should be forwarded to Nancy by March 6.

For the levels and ranges the plan was to set three levels of performance expectations for each global educational outcome: Below Level of Performance; Expected Level of Performance; Above Level of Performance. Example behaviours would be given for each with the focus on clinical competence, proficiency and confidence. The group seemed comfortable with Nancy’s approach to describing the levels of performance. Frank asked when the task force might finish these levels and how the review would take place. The problem is that Nancy sees her contract complete at the end of March and it appears that the educational outcomes part may still need work as well as the need to complete the levels of performance. AFPC council will have to decide if we can afford to extend the contract.

Nancy was thanked for coming to provide an update on this important project.

**2:00 PM      5:00 PM**

**Strategic Planning Session:**

**1. Welcome and opening remarks:** President Mike Namaka had opened the meeting earlier by welcoming everyone who was present including our presenter and guest Nancy Winslade. A special welcome was made to David Collins who joins Council, replacing Linda Hensman as the ADPC representative.

**2. Roll Call:** Those present and accounted for: Mike Namaka (President), Roy Dobson (Past President), Lalitha Raman-Wilms (President Elect), David Collins (ADPC Representative), Bev Allen (Saskatchewan), Silvia Alessi-Severini (Manitoba), Andrea Cameron (Toronto), Frédéric Calon (Laval), Mary MacCara (Dalhousie), Sylvie Marleau (Montreal), Nancy Waite (Waterloo), Nese Yuksel (Alberta) and Frank Abbott (Executive



Director). Regrets: John Hawboldt (Memorial) and Ingrid Price (UBC). Mike spoke briefly to the circumstances by which Ingrid and John were unable to attend.

**3. Planning session:** Mike asked Roy to chair the planning session. Prior to the midyear meeting, Mike and Roy had discussed how to set key priorities for AFPC that could be used as part of council's strategic planning process. As a result, Roy sent out a document called setting priorities intended for the midyear strategic planning session. Council members were asked to rank on a scale from 1-10 their priorities for 26 actions grouped under four major headings. Having compiled the results of this exercise, Roy provided the summary of the rankings listed in order of their priority at the strategic planning session.

This summary document generated quite a bit of discussion that eventually identified four priority areas: 1) dissemination and implementation of two important AFPC initiatives – educational outcomes and program evaluation; 2) increasing faculty awareness and participation in APFC activities such as the annual conference and AFPC committees; 3) advocacy to support the faculties as they work to improve the quality of pharmacy education in Canada; 4) and funding to ensure the sustainability of AFPC. Three action teams were created for each of the first three priorities. Funding was viewed as an area of particular importance and will be addressed by an action committee consisting of the entire council. Roy Dobson (Past-president) will be the ongoing strategic priorities facilitator and will communicate with the respective teams to ensure progress in the priority areas. Each team will:

1. Select specific tasks to advance their priority area
2. Outline the individual steps to complete each task
3. Provide timelines for implementation
4. Identify who will perform the tasks
5. Identify the resources needed to implement/complete the task.

**Sunday, February 7, 2010:**

**Faculty Council Room, 1210:**

**9:00 Business Meeting**

**1. Remarks, roll call and approval of the agenda:** Present were: Mike, Roy, Lalitha, Andrea, Bev, David, Frederic, Mary, Nancy Waite, Nése, Silvia, Sylvie, and Frank.

**Agenda:** Frank stated that Frédéric had asked that Conference 2012 be added in under agenda item 5.4. Sylvie asked to be included under the communications committee report to speak about the database. The Blueprint Implementation Steering Committee was to be added as 6.9. Under New Business, Frank was to speak to the AFMC Education Report. Moved/seconded - Roy/Andrea to approve the amended agenda. Carried.

**2. Approval of Council Meeting Minutes:**

*Annual Council Meeting, Wednesday, June 3, 2009 in Halifax:* Remove the word thousand from page 3 that describes the number of pharmacy technician programs. Moved/seconded - Bev/Nancy that the amended minutes be approved. Carried.

*New Council Meeting, Saturday, June 6, 2009 in Halifax:* Moved/seconded - Bev/Roy that the minutes be approved. Carried.

*Proceedings 2009 ([http://afpc.info/downloads/2/AFPC\\_Proceedings2009\\_4.pdf](http://afpc.info/downloads/2/AFPC_Proceedings2009_4.pdf) )*

Moved/seconded - Roy/Nancy that the 2009 Proceedings be approved. Carried.

**3. Business Arising from the Minutes:**

**3.1 Educational Outcomes Task Force:**

Following the presentation to Council by Nancy Winslade yesterday on the progress of the Educational Outcomes document, Council discussed the state of affairs of this project. Nancy Waite, who sits on the task force, stated that Nancy Winslade takes a significant role in both leading and directing the work of the task force. On the whole, she found it to be a good working experience. She also noted that Nancy Winslade was very connected within the pharmacy profession and with several related professions and this provided a great deal of background and knowledge to the development of the educational outcomes. The issue at hand was the end of her contract was coming up and what work still needed to be done prior to that. The feedback from stakeholders on the educational outcomes was still to come in and it

was not certain that the levels and ranges would be complete by the time of the annual meeting in Vancouver. Frank was to consult with the executive and with ADPC on the contract extension. Lalitha suggested conducting some sort of gap analysis between old and new educational outcomes to determine how significant and useful the changes that were made. There was some discussion around approving the Educational Outcomes at the June AGM. That action was considered feasible but the levels and ranges document would have to be a separate document. Council felt that publicizing the educational outcomes was an important issue. Perhaps the strategy to publicize could be handled by the task force. Moved/seconded - Nése/Mary to accept Nancy Winslade's report on the educational outcomes and recommend the actions that were discussed. Approved.

**3.2 Search for Executive Director:** Mike indicated the number of applications that were received and it was decided that during the break the Executive would take the opportunity to rank the candidates. Frank was then to send out information to plan for the interviews of the short listed candidates.

#### **4. New Business:**

**4.1 Pharm D Position Statement:** Frank provided the position statement that was revised during the ADPC meeting of 2 days ago. After further discussion and suggestions for minor revisions it was moved/seconded – Roy/Andrea that the document be approved. Carried.

**4.2 Report on the meeting of PEP Canada, ADPC, CSHP and hospital directors held on February 3, 2010 in the Sheraton Hotel in Toronto during PPC.** Andrea, Nancy and Frank had attended this meeting. Nancy provided the background for the meeting, the participants, those who spoke and the general nature of the day's meeting. CSHP, ADPC, PEP Canada and the hospital directors committed to various action plans. While this was all positive, Nancy wished there were more concrete action items laid out after the meeting. PEP Canada committed to develop the newest versions of experiential learning that they have been working on. Universities and the hospitals need tighter links to improve working relationships. CSHP still has lukewarm support for the Pharm D program. ADPC is committed to seeking resources to fund the experiential programs in institutions. An award for best preceptor was a suggestion for the Universities to improve relationships with preceptors in hospitals. Experiential education in hospitals needs the involvement of the regulators and

CCAPP as well as the Universities and the institutions. It was suggested that PEP Canada could be asked to identify projects that they would then bring to AFPC for action. Andrea was to take this thought to the next PEP Canada meeting.

Moved/seconded - Nése/Nancy to approve the verbal report. Carried.

## **5. Committee Reports:**

**5.1 Awards Committee:** Mary presented her report that mentioned changes in wording of the Merck Frosst Post Graduate Fellowship Award and the CFP Pharmacy Practice Research Award. CFP is supporting this award for a second year. Mary also described the unfortunate withdrawal of the Wal-Mart Canada Future Academic Leader Award for 2010. It is unlikely that this award will be revived. It was agreed that we should seek funding for this award from a new sponsor. Bev suggested we should be looking at community practice as a potential new source of funding. Scotia Bank was suggested as a potential sponsor of the leadership award. Mary felt that the current awards program was running smoothly with plenty of new reviewers to help out. She suggested that a letter of acknowledgement be sent to the Deans. Mary was to work with Frank on a form letter to recognize reviewers. Based on the items discussed in 4.2, Mary asked if we should be working on the description of a best preceptor award and there was general support for this action. Service award recipients for 2010: Susan Mansour, Sylvie Marleau and Simon Albon were nominated. Roy was to write the recognition for Simon, Mary for Susan Mansour and Frédéric/Frank for Sylvie.

**5.2 Bylaws Committee:** Frank described the problem that had risen with the Canada Revenue Agency when he and Simon had asked Corporations Canada to update the Goals and Objectives of AFPC that were part of the new Bylaws approved in 2007. The wording of the new goals and objectives required that the Letters Patent for AFPC be changed. In the process of having this done, the Canada Revenue Agency was not adequately informed of this change. As a result, CRA was questioning whether AFPC was indeed a Not-for-Profit Association. To satisfy the CRA, Frank was required to write a lengthy letter outlining AFPC activities. Council found the letter to be informative and suggested that it be sent to Council Members for potential use in explaining just what AFPC does for the membership.

**5.3 Communications Committee:** Silvia spoke in general of items of concern and action for the communications committee. There was a need to acknowledge the fine work of Rebecca Law, editor of the Communications newsletter. The web site remained a big issue as Frank noted the large costs now associated with the new web site manager. Lalitha had taken the proposal to IT people at the University of Toronto and a proposal had been obtained for the management of the AFPC Web site. It was decided that the new executive director should decide on how we best proceed. Silvia was asked to place her thoughts and ideas for solutions on paper. Mike spoke to the issue of keeping the French language version of the web site up to date. Sylvie stated that she would speak to Dan Thirion about this problem. **Database:** Sylvie spoke about her work at the Université de Montréal to update the research database of pharmacy faculty at U de M to include their teaching information. Frank was to supply Sylvie with the latest lists of pharmacy faculty members across Canada to complete the new version of the database. Moved/seconded – Bev/Lalitha to endorse this plan. Approved.

**5.4 CPERC committee for Vancouver June 2-5, 2010:** Frank spoke on behalf of conference chair Simon Albon. A copy of the draft program was available and the report of the education committee includes and outline of the themes and format of the conference. Council was supportive of the program as presented.

**AFPC Conference 2011:** The education committee report nicely summarized the suggested themes and topics for the 2011 meeting. Silvia noted that a joint meeting with CAPT was possible. A potential date for the conference is May 25 – 28/2011. Frank is to send out to council members for conflicts.

**AFPC Conference 2012:** Frédéric proposed that the conference be held in Québec. The last time the AFPC conference was held in Québec was in 1999. Dean Jean-Pierre Gregoire has approved hosting the 2012 Conference. Council was in agreement with this plan.

**5.5 Education Committee:** Nése presented the report of the education committee that summarized the teleconference meeting of November 27, 2009. Planning for the 2010 and 2011 conferences was described. The progress of the Educational Outcomes project was updated, as was the progress on the creation of the teaching database. Moved/seconded - Nése/Roy that the report be accepted. Carried.

**5.6 Nominating Committee:** Roy noted that selection of a person to be President Elect is still ongoing. Council positions for UBC, Alberta, Manitoba and Waterloo for the 3-year term of 2010 – 2013 need to be made. Frank is to approach the respective Deans for their selection of a council representative. In the case of UBC, a new council member needs to be chosen. In the other three Faculties, the current council members are eligible for a second term. Moved/seconded - Roy/Nése for acceptance. Carried.

**5.7 PEP Canada:** Bev spoke to the report provided by PEP Canada co-chairs Wanda Spurrell and Harriet Davies. The report summarized the discussion items from the annual meeting in Halifax in 2009, the presentation made by Tania Choquette on behalf of PEPC at the AFPC conference, and the participation of PEPC in the Blueprint Implementation meeting of AFPC and ADPC. Moved/seconded - Bev/Nancy for acceptance of the report. Carried.

**5.8 Planning and Finance Committee:** Frank had provided the draft financial statement for 2009 and the proposed budget for 2010. To accompany these two statements, Frank had prepared notes to describe the finances of the past year and what we might expect for income and expenses for the coming year. Bev spoke to the report that he had submitted after consultation with Roy (former chair of the finance committee) and Frank. The report recommended acceptance of the draft financial statements for 2009. While the 2010 budget predicts a sizable deficit, the extra expenses related to the transfer of the executive director position and the overrun of the educational outcomes project are one-time expenses. The report recommends that funds be taken from the reserve to serve as a contingency fund to offset the projected deficit with the intent to restore these funds over the next 2-3 years. The report also discussed future increases in income, ways to reduce expenses and the need to track expenses for projects that extend over several years. Moved/seconded - Bev/Silvia that the recommendations in the report be accepted. Carried.

**5.9 Program Evaluation Committee:** In the absence of Ingrid, Frank presented the report prepared by Ingrid. The newest work from Ingrid was the development of the program evaluation web site. A plan for such a web site accompanied the report. Once the web site is operational, functionality of the site is to be evaluated by committee members. In the discussion that followed, the question was raised whether Ingrid had completed a survey of what is going on in Program Evaluation across the

Country. Nese was curious to learn if the program evaluation included reference to surveys from graduates and how these would be used as part of the evaluation.

Moved/seconded - Lalitha/Mary that the report be accepted. Carried.

**5.10 Research Committee:** In the absence of John Hawboldt, there was no report from the research committee.

**5.11 Strategic Planning Committee:** In presenting his report, Mike reaffirmed that Roy had agreed to function as a strategic plan coordinator for council and to monitor progress made on identified priorities on an ongoing basis. Roy was to send out a copy of the summary of the priorities to council members. Moved/seconded - Lalitha/Frédéric for acceptance of the report. Carried.

**6. Report of Representatives to External Groups:** Frank noted that he would be requesting reports from representatives for the Annual General Meeting in June 2010. For today's activities, there were some specific decisions that needed to be made by council.

**6.1 ADPC Representative** David Collins

**6.2 CCAPP:** Susan Mansour/Carmen Vezina  
Frank stated that David Hill had requested that Susan Mansour be appointed to CCAPP for a second 3-year term. Susan had agreed. Moved/seconded - Andrea/Sylvie that Susan be appointed. Carried.

**6.3 CCCEP:** Yvonne Shevchuk  
Frank was to ask Yvonne if she was continuing as our representative.

**6.4 Canadian Patient Safety Institute:** Rita Caldwell had indicated that she would like to step down as the AFPC representative to CPSI. Frank had consulted Andrea as a replacement and she had agreed. Moved/seconded - Nancy/Lalitha that Andrea be appointed as the AFPC representative to CPSI. Carried.

**6.5 CPhA Academic Board Member** Rita Caldwell

**6.6 Canadian Pharmacy Practice Research Group** Nése

**6.7 PEBC:** Frank stated that John Pugsley had asked him if Lavern would be appointed for a second 3-year term. Lavern had agreed. Moved/seconded - Silvia/Andrea to reappoint Lavern to PEBC for a second term. Carried.

**6.8 USP** Raimar Löbenberg

**6.9 Blueprint Implementation Steering Committee:** Frank stated that Zubin Austin had agreed to be the AFPC representative to the steering committee with Lalitha acting as the alternate. The steering committee is about to appoint a chair with the first meeting expected in March. Frank noted that Dean David Hill was the Blueprint Steering Committee representative for ADPC. During the ADPC annual meeting in Charlottetown, ADPC had discussed the request from the Blueprint initiative to establish a National Coordinating Office for Blueprint implementation activities in Ottawa. Both ADPC and AFPC had been approached for funding support of the NCO. ADPC had agreed to commit funds on behalf of both ADPC and AFPC

**7. Executive Director's Report:** Frank noted that a report would be available for the AGM in June. An in camera session then took place.

**8. Other business:**

**AFMC report: The Future of Medical Education in Canada:** Frank informed council that the recent AFMC report on medical education had been an agenda item for the midyear meeting of the deans of pharmacy. The report is available on the AFMC web site: [www.AFMC.CA](http://www.AFMC.CA). It was felt that the report might be important to curriculum planning in pharmacy. It also may inform pharmacy groups such as CSHP on clinical education and placement.

**9. Adjournment:** The meeting adjourned at 2:20 PM.

Frank Abbott, recorder, with assistance from Roy Dobson





**AFPC**

Association of Faculties of Pharmacy of Canada  
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**MINUTES  
AFPC ANNUAL COUNCIL MEETING  
RIVER ROCK RESORT HOTEL  
RICHMOND, BC  
THOMPSON ROOM, CONFERENCE CENTRE  
WEDNESDAY, JUNE 2, 2010**

**8:30 AM**

1. **Opening Remarks:** President Mike Namaka welcomed everyone to the meeting and stated that he was looking forward to the events that would be occurring over the next few days and the business at hand for our council meetings.
2. **Roll Call and Approval of Agenda:** Present and accounted for were Mike Namaka (President), Roy Dobson (Past President), Lalitha Raman Wilms (President Elect), Ingrid Price (UBC), Nese Yuksel (Alberta), Silvia Alessi-Severini (Manitoba), Nancy Waite (Waterloo), Andrea Cameron (Toronto), Sylvie Marleau (Montréal), Frédéric Calon (Laval), Mary MacCara (Dalhousie), John Hawboldt (Memorial), Harold Lopatka (incoming Executive Director) and Frank Abbott (retiring Executive Director). Regrets: Bev Allen (Saskatchewan), and David Collins (ADPC Representative).

The **Agenda was approved** with a request to add Montreal to item 5.8 on a motion from Roy and seconded by Lalitha.

**3. Council Meeting Minutes**

**3.1 Midyear Council Meeting, Toronto, February 6-7, 2010 – for approval.** The minutes were approved on a motion from Mary and seconded by Nancy.

**4. Business Arising from the Minutes**

**4.1 Report of the Search Committee for Executive Director:** Roy presented the report on behalf of the committee made up of Mike, Lalitha, David Collins and Anne Marie Whelan. The report spoke to the preparation for the search, the selection of the top candidates and the insertion of Dr. Jake Thiessen when a potential conflict of interest arose. Following candidate interviews, the committee made their final decision by teleconference. Harold Lopatka was offered the position and after some further negotiation, Harold accepted the position. Roy

welcomed Harold stating that Council was delighted to have you on board. Applause all around. The report was accepted on a motion from Sylvie and seconded by Frédéric.

**4.2 Position Statement on Entry Level Pharm D:** Frank stated that following the approval of the position statement by ADPC and AFPC at the 2010 midyear, a press release was under preparation but was then put on hold. In part this resulted from the sensitivity with the situation in Ontario and the Pan Canadian review. Frank asked where we were going with this. Nancy and Lalitha were generally supportive of Mike who stated that we needed a less Toronto centric press release. Lalitha felt that it should be a joint statement of the Faculties. Mike was in favor of AFPC championing the preparation of the press release and making this widely available to stakeholder organizations. Lalitha was aware of the sensitivity of the individual Deans around this issue. Harold asked about other pharmacy organizations and whether they were on board. New Council was to make a decision on what actions to take.

**4.3 Joint meeting of ADPC/CSHP/PEP (Calgary update):** Frank gave a brief history. Following the facilitated session held on February 3 in Toronto with ADPC, CSHP, hospital pharmacy directors and PEP Canada, it was decided to hold a follow up meeting of ADPC and CSHP during the CPhA meetings in Calgary. Harold then distilled the Calgary meeting down to five items: 1) There was still a concern that introduction of the ELPD program would put excessive demand on the hospitals. 2) What are the expectations across the Country with respect to preceptor/student ratios? 3) Funding to be sought for producing standards for educating and training preceptors. 4) There is a need for a survey of the programs right now in what they are doing and expected to implement to deal with the ELPD. 5) Hospital pharmacy is very underfunded compared to the USA. PEP Canada representatives noted that they had met the day previous and identified items that could be achieved on an immediate basis. 1) Identify preceptor training standards within the Faculties and look for commonalities. 2) PEP Canada to update everyone on what the future would look like with respect to preceptor and student experiential training. 3) PEP is to provide input to the Blueprint implementation project. In the discussion that followed, Mike noted that the hospital rotation is not necessarily a requirement for fulfilling experiential training. What about virtual patients, simulated patients etc. Lalitha felt that a new way of thinking needs to apply to experiential training. Nancy stated that the accreditation standards need to allow for new models to meet the expected outcomes. The USA accreditation standards for experiential training are so rigid they impede the development of new models of delivery. Nese reinforced the need for patient contact and for students to learn on site. Community partners need also to

be involved. Roy said that we should focus on just what the deficiencies are. Students can contribute to pharmacy services while they learn. Nancy was not so sure that hospitals provide the primary care experience that the new educational outcomes promote. Silvia was supportive of the use of new models. John felt that there was still a role for laboratory experiences using simulated patients and these can be incorporated with actual clinical experiences.

## **5. Committee Reports**

**5.1 Awards Committee:** Mary MacCara presented her report that listed recipients for the various awards for 2010. She then spoke to the recently drafted new teaching award for innovation in pharmacy education and asked if we could proceed to find a sponsor. Mike suggested that Janssen Ortho might be a potential sponsor. The target value is \$3,000 to be raised annually to provide an honorarium of \$ 1,000 and to cover travel and hotel expenses. Discussion about raising sponsorship funds for the award touched on issues of industry partnerships for which AACP has recently come out with new guidelines. AFPC Executive should look at drafting similar guidelines. Frank commented that from his experience there was considerable variability regarding what the industry will or will not fund – ethics and their interpretation play a large part in the variability. Harold commented that June and October are critical months for asking industry for funding. It was then moved/seconded by Nancy/Andrea that we move forward to finalizing the innovative teaching award. Carried. Mary spoke to the Special Service Awards that are to be given out this year using the new criteria for this award. Mary also gave credit to the valuable assistance of the reviewers that are so vital to making the awards program a success. The awards committee report was accepted on a motion from Mary and seconded by Roy. Carried.

**5.2 Bylaws Committee:** Roy's report stated that there had been no new business for the Bylaws Committee to report. The report was accepted on a motion from Roy and seconded by Lalitha.

**5.3 Communications Committee:** Silvia presented the report that summarized information on the newsletter and the expected requirements for submitting contributions. Rebecca Law was lauded for her work as editor. The report highlighted current difficulties with the web site management and there was a commitment to work with the new executive director to meet communication needs through the web site in a cost effective manner. Silvia also spoke of the exceptional work by Sylvie on the teaching and research database project. Sylvie added to the information of the database indicating that she was receiving a 95% response rate from faculty for database information. Sylvie noted that student help would be required to complete the

database work over the summer. In the discussion that followed, Frank asked how the teaching information would be listed. Sylvie stated that key words would be the main access. For updating the database it was recommended that the Faculty administrators be approached to assist in the updating. Frank noted that Rx & D had funded the teaching database development and they will need to be appropriately recognized on the website. Frank asked about the style and number of the newsletters and was it time to review this. Much discussion followed with a decision to have the new council discuss this. Frank asked about the web site. Harold spoke to potential options for website managers in Edmonton related to the University. Harold stated that the priority would be to update and streamline and then consider a major overhaul. It was noted that the directory of teachers and researchers needed to be highlighted so that it was easy to find. The report of the communications committee was accepted on a motion from Siliva and seconded by Roy. The report by Sylvie on the database was accepted on a motion from Sylvie and seconded by Mary.

**5.4 Conference Planning Committee 2010:** Ingrid spoke to the program – great agenda and choice of speakers. She thanked the many Faculty members involved in the planning committee and complemented Simon for stepping in and doing such a fine job as chair. Mike added his thanks to the committee and for the quality of the program.

**5.5 Conference 2011:** Silvia gave a laptop presentation of next year's meeting to occur in the Fort Garry Hotel and Conference Centre, June 5-8, 2011. Nese stated that the education committee had been part of the planning. A suggested theme of the conference was "The Dynamic Nature of Curriculum". To be more inclusive, it was suggested that the theme be "The Changing Nature of Pharmacy Education". We could have sessions on how the new educational outcomes are changing or will be changing the curriculum – possibly do a gap analysis for comparison. Sessions would be designed to provide support to faculty. Links to other groups affected by the outcomes could be dealt with through the conference – preceptors, technicians, and other professionals. Partnering with other societies for the conference was then discussed at length. While there was value in having a solo meeting where significant issues are worked on at the national level, it was considered important to stay connected with other societies that would complement the CPERC event. Sylvie liked the concept of meeting frequently with researchers and clinicians so as not to become isolated. Harold asked about continuing education as a part of the conference whereby practicing groups – pharmacists, technicians might be involved. A workshop for preceptors would be a good example. For next year, the Manitoba Pharmacy Association could be involved. Silvia said that she could work

with local people even if they were not members of AFPC. Andre asked about half day rate for a focused session such as this. Mike noted that these were all very valuable suggestions and that the planning committee for the 2011 conference will consider these suggestions

**5.6 Conference 2012:** Frédéric stated that the Faculty was excited about the prospects for the 2012 meeting in Québec City. The new Pharm D program at Laval will be a focus of the program. The hospital residency that is quite different from the rest of Canada will be included as well. There will be an opportunity to visit the new facilities at Laval. Discussion continued on attracting practitioners to the conference – nontraditional Pharm D may appeal to pharmacists as a topic. Again it was suggested that workshops be held such as what the curriculum changes mean to you. Frédéric, as chair of the planning committee, would be added to the Education Committee – new council action.

**5.7 Education Committee/Educational Outcomes:** Nese, chair of the education committee presented the report. The report summarizes committee input to the first CPERC meeting in Richmond and an update of the status of the AFPC educational outcomes. Input to the planning of the 2011 CPERC meeting in Winnipeg was highlighted, as were suggestions for future CPERC meetings. More opportunities for networking were desirable and consideration should be given to holding just one research banquet. Awards would be recognized at a single event. Placing the award presentations back in the program was also being considered. These suggestions would be left to the new council for further discussion. Nese also made reference to the work by Sylvie on the teaching database and that Blueprint for Pharmacy priorities would guide future work of the committee. The education committee report was accepted on a motion from Nese and seconded by Roy. Carried.

The AFPC Educational outcomes for First Professional Degree Programs in Pharmacy in Canada was discussed after the lunch break: Mike spoke briefly to the process that occurred in his Faculty regarding the editing and appreciated the time taken to make revisions. Ingrid stated that for her faculty's sake, she would really like them approved. UBC is making good use of the outcomes for their curriculum design and it was time to move on and approve the document. Roy agreed. Andrea and Nese also spoke in favor of approval. Silvia stated that the last draft of the document was received much more positively in her Faculty. There was still a concern from the pharmaceutical sciences people that preparation of the medication therapy expert was not as well spelled out but she now feels comfortable with voting in favour of the document. Nancy reminded council that the educational outcomes were the basics and Faculties may add in specialties (i.e. compounding) for which they are strong. Regarding

updating of the document, Nancy said we could send out to the constituent faculties and ask for any updates on a two-year basis. Harold stated that we should have some options so as not to be blindsided at the AGM when the request for approval is made. Significant discussion occurred regarding the wording of the motion and the link of the educational outcomes to the levels and ranges. The educational outcomes were approved on a motion from Nese and seconded by Sylvie. Carried. Nese then moved to recommend that the education committee review the educational outcomes after one year and undertake a detailed review after 3 years. Lalitha seconded the motion. Carried. Silvia was concerned about the Foundational Sciences and wanted the minutes to state that we would use the recent medical education document to address the strength of the foundational sciences in the educational outcomes document. Harold felt that this could be taken care of under the one-year interim review. Some editing of the document should also take place before it is placed on the web site. The unfinished Levels and Ranges document was then discussed. Each educational outcome was to have expectations of students described as below, expected, and above level of performance. Next steps for the draft document were to seek feedback from council members, faculties and stakeholders. The options to manage the feedback would be the responsibility of the education committee, the task force group or the contractor. In the discussion that followed, council members felt this was too much work to expect of the education committee or the task force group alone. The general discussion favored the use of Nancy Winslade to complete the task of producing and editing the levels and ranges. Harold was to contact Nancy Winslade and if she is agreeable, ask her to create a business proposal that would address the needs of AFPC. Harold would then present this proposal to the Deans at the upcoming annual meeting.

**5.7 Nominating Committee:** Roy presented the report. Council members to be appointed for the 2010 – 2013 term were Tessa Nicholl (UBC) who is new to council with Nese Yuksel (Alberta), Silvia Alessi-Severini (Manitoba) and Nancy Waite (Waterloo) reappointed for a second term. Ingrid Price (UBC) was acclaimed President Elect effective June 2010. The report was accepted on a motion by Roy and seconded by Sylvie. Carried. Sylvie noted that Dan Thirion (Montreal) would be returning to council in 2011 and would relieve her of her pro tem status.

#### **11:45: Lunch Meeting:**

- 1. Mark Fleming**, National Director, Government and Community Relations, Janssen-Ortho Inc. of Toronto was invited to the meeting to discuss the potential for pharmaceutical

industry involvement in the AFPC Annual Conference. Frank provided a bit of background to the invitation and welcomed Mark to the meeting. Mark felt that one priority for the pharmaceutical industry might be to speak on industry opportunities for students. Andrea agreed noting that the industry rotations available to students in Toronto were widely appreciated. Lalitha spoke of the Pharmaceutical Sciences program available at the University of Toronto and their connection to the pharmaceutical industry. Sylvie also gave credit to the academia/industry program that they had for students in Montreal. Frank mentioned that this year's CPERC program has introduced a special student session and career paths were the main topic of discussion. Mark spoke to pharmacists being in key roles with recently introduced prescribing rights has important consequences for the industry. Connections to pharmacy students by the industry are a priority although the ethics of these connections need to be better defined. It was agreed that there should be a follow up with Marc on this topic. Mike, Silvia, and Harold would take on this responsibility. Mark asked council members "Do you prepare your students for a career in the industry?" The general answer from council was that this was definitely not the case. Mark was thanked for attending and for his support of AFPC.

**2. Canadian College of Clinical Pharmacy** – Executive to meet with AFPC Council on the potential for future joint conferences. Priti Flanagan of the CCCP executive came into the meeting at 2:00 PM to meet with Council after the CCCP executive had just concluded their annual general meeting. Priti thanked AFPC for entertaining the opportunity to meet jointly with CCCP as they did in 2003. However, the decision at the CCCP executive meeting was that they get their own house in order before making a decision to meet jointly with AFPC. Nevertheless, they wanted to keep the door open. Frank gave the locations of the next two AFPC meetings. Nancy asked about support of CCCP for the ELPD and Priti indicated that they could bring this up at their next Executive Meeting. Frank made a note to add CCCP to the Stakeholder list.

**3. Polly Kwok, President of CAPSI** – Update of CAPSI Activities and AFPC priorities.

Polly was welcomed to the meeting and she spoke of the recent highly successful PDW in Toronto and the interaction with the Ontario Health Minister Deb Matthews. The dispensing competition held by CAPSI will now become more patient focused. The IPS Health Campaign is a new award for CAPSI. Next year the PDW will be held in Saskatoon. Drug reform and harm reduction are topics of interest. CAPSI is helping fund raise for international projects in Uganda.

Andrea noted that during PDW in Toronto the CAPSI statement on the entry level Pharm D is now better with CAPSI endorsing whatever degree is necessary to provide patient care. Mike spoke to the educational outcomes as a major project. He asked what might be the attraction for students to be participants in AFPC and in particular with the Conference. Partnerships with CAPSI should remain on the table. John asked about CAPSI intentions with respect to the chains and the opportunities for innovative practice. John was skeptical about significant changes being made. Andrea asked what the CAPSI view was of students being trainers of students and preparing preceptors before they graduate. Nancy asked about IPE. Polly stated that CAPSI was working with other student health professionals on developing interprofessional programs. Pharmacy students need to explain to medical students just what pharmacy students are capable of. Lalitha suggested that local CAPSI chapters connect with the AFPC Council Member on a regular basis. This suggestion was thought to be a great idea. The CAPSI newsletter Capsule was offered as a venue for articles from AFPC.

**1:00 PM: Business Meeting continues:**

**5.9 PEP Canada Update:** Andrea presented the report on behalf of Bev Allen. The report written by Wanda Spurrell and Harriet Davies (Co-chairs) dealt with participation of PEP representatives in the CSHP/ADPC think tank on pharmacist student experiential education held in Toronto on February 3, 2010. PEPC responded to the draft educational outcomes document. Emphasis was placed on the role of pharmacists as educators of pharmacy students and the development of teaching skills in pharmacy students. Rosemin Kassam will replace Wanda Spurrell as Co-chair of PEP Canada. Moved by Andrea and seconded by Nancy to accept the report as circulated. Carried.

**5.10 Planning and Finance Committee:** Roy presented the report on behalf of Bev. The report of the finance committee was supplemented by the auditor's report, the AFPC financial statement for 2009, the budget for 2010 and notes to each provided by Frank. The report made 4 recommendations. 1) Approval of the auditor's report for the year ending December 31, 2009. 2) AFPC to use the contingency fund to withdraw \$30,000 from reserve funds and add to income of the budget for 2010. This was to cover unanticipated expenses from the educational outcomes project and to cover expenses of the transfer of the Executive Director's position. 3) AFPC to approve the revamping of financial statements to track income and expenditures that flow over a number of financial reporting periods. 4) AFPC approves the



proposed budget for the year ending December 31, 2010. Moved by Roy and seconded by Andrea to accept the report. Carried.

**5.11 Program Evaluation Committee:** Ingrid gave a verbal report and talked about her work on developing program evaluation information for the web site. Ingrid noted that the process used to develop the tools is very pharmacy specific. Program evaluation tools should have been available to all Faculties some time ago. A guidebook of program evaluation including the tools to carry out the process had been promised but the amount of work was more than Ingrid anticipated. She preferred the web site as the source of program evaluation materials. Silvia asked about password access. After discussion, it was agreed that Ingrid would try to have the materials sent to Harold for transfer to the AFPC web site in a secure location with password access. Moved by Ingrid/Lalitha to approve the actions discussed.

**5.12 Research Committee:** John spoke to his report. Research is still an important part of the conference and the committee continues to promote basic and practice based research. The report also endorsed the work on updating the research database. Moved by John and seconded by Roy that the report be accepted. Carried.

**5.13 Strategic Planning Committee:** Roy presented the report on behalf of Mike Namaka. The report summarized the activities during the year that resulted in a process for setting priorities and the actions to implement said priorities. It was recommended that Roy continue as the coordinator of strategic planning initiatives even though he is stepping down from council. Moved by Roy and seconded by Frédéric that the report be accepted. Carried.

## **6. Reports of Representatives to External Groups**

**6.1 ADPC Representative:** There was no report available.

**6.2 Blueprint Steering Committee:** Lalitha Raman-Wilms presented the report, which summarized the purpose of the implementation steering committee and the participating organizations. The chair has been selected and two face-to-face sessions have occurred. AFPC and ADPC have committed to funding the National Coordinating Office. Frank inquired as to the expected number of meetings and how long funding of the NCO is anticipated. Harold indicated that ADPC and CSHP would be going to the BP steering committee regarding support for the development of experiential training. Moved by Lalitha and seconded by Nancy that the report be accepted. Carried.

**6.3 CCAPP:** Susan Mansour (Dalhousie) and Carmen Vezina (Laval) are the AFPC delegates to CCAPP. The report summarized recent accreditation activities including

pharmacy technician programs and international programs. Accreditation standards continue to be developed for the Pharm D as the first professional degree to practice. The new executive director is former Dean Wayne Hindmarsh of the University of Toronto. Moved by Mary and seconded by Frédéric that the report be accepted. Carried.

6.4 **CCCEP:** There was no report from AFPC representative Yvonne Shevchuk.

6.5 **Canadian Patient Safety Institute:** CPSI representative Andrea Cameron stated that there was no formal report but noted that she was part of a teleconference in recent weeks that discussed approaches to get the CPSI standards as part of the curriculum of health professional programs.

6.6 **CPhA Academic Board Member:** A report from Academic Board Member Rita Caldwell provided a succinct summary of CPhA activities during the year including the recognition of several AFPC members who received CPhA awards.

6.7 **Canadian Pharmacy Practice Research Group:** Nese presented her report summarizing the yearly activities of CPPRG. Networking with PP researchers and stakeholder groups within Canada is a priority. CPPRG is an active participant in the Blueprint for Pharmacy initiative. Moved by Nese and seconded by Roy to accept the report. Carried.

6.8 **PEBC:** Lavern Vercaigne and Anne Marie Whelan represent AFPC on the PEBC Board. The March PEBC UPDATE accompanied the report prepared by Anne Marie. Moved by Roy and seconded by Ingrid to accept the report. Carried.

6.9 **USP:** Raimar Loebenberg represents AFPC on the USP Council of Delegates. Frank noted that we would need to inform USP that Raimar will continue in this capacity for the next five years. Frank stated that Raimar had confirmed his interest in serving as the AFPC delegate. Moved by Roy and seconded by Mary that the report be accepted. Moved by Roy and seconded by Lalitha that we appoint Raimar for a second term. Both motions were passed.

7. **Executive Director's Report:** Frank summarized the yearly activities of AFPC and ADPC and finished with a warm thank you to AFPC for having given him the opportunity to serve as executive director for the past seven years. An **In Camera Session** followed.

## 8. **Other Business**

8.1 **CFP Innovation Funding Grant 2010:** Frank provided some of the reasons that AFPC might want to apply for this grant and considerable discussion occurred on

what might be the best approach. PEPC have projects on preceptor training or experiential models that might be pertinent to the intent of the grant. Andrea and Nancy are to bring this suggestion to PEPC.

**8.2 Abilities and skills required for the study of Pharmacy:** Andrea spoke to this item based on it being raised at a University of Toronto Admissions committee meeting. There was discussion but no clear action plan emerged.

**8.3 Greetings from AFPC to the AACP meeting in Seattle:** Council agreed to have Mike attend AACP and bring greetings on the condition that he provides a report of the meeting.

**9. Adjournment by 5:00 PM**

Adjourned at 5:00 PM.

Respectfully submitted,

Frank Abbott, recorder, with assistance from Ingrid and Harold.



**AFPC**

Association of Faculties of Pharmacy of Canada  
Association des Facultés de Pharmacie du Canada

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**MINUTES  
AFPC ANNUAL GENERAL MEETING  
RIVER ROCK RESORT HOTEL  
RICHMOND, BC  
THOMPSON ROOM, CONFERENCE CENTRE  
THURSDAY, JUNE 3, 2010  
12:00 Noon – 2:00 PM**

**1. Opening Remarks and Introduction of Council**

President Mike Namaka welcomed all those in attendance. The current AFPC Council members were introduced. Silvia Alessi-Severini (Manitoba), Frederic Calon (Laval), Andrea Cameron (Toronto), Roy Dobson (Saskatchewan, outgoing past president), John Hawboldt (MUN), Mary MacCara (Dalhousie), Sylvie Marleau (Montreal), Ingrid Price (UBC, 2010 President elect), Lalitha Raman-Wilms (Toronto - incoming President), Nancy Waite (Waterloo), and Nese Yuksel (Alberta). Mike noted 2 council members who were unable to attend; Bev Allen (Saskatchewan), and Daniel Thirion (Montreal – returning after 1 year absence). In addition Mike introduced Frank Abbott (outgoing Executive Director) and Harold Lopatka (incoming Executive Director).

**2. Approval of Agenda**

*Motion – To approve the circulated AFPC AGM June 3, 2010 agenda.* Moved – Lalitha Raman-Wilms, Second – Sharon Mitchell. Motion passed.

**3. Acceptance of 2009 Annual General Meeting Minutes, Thursday, June 4, 2009 in Halifax.**

*Motion – To approve the circulated AFPC AGM June 4, 2009 minutes.* Moved – Nancy Waite, Second – Anne Marie Whalen. Motion passed.

**4. Greetings from AACP Executive Vice President, Lucinda Maine.**

Lucinda Maine, the AACP Executive Vice President was introduced. Lucinda highlighted her appreciation of returning, strengthened collaboration between AACP and AFPC, past collaborations with Frank, future collaborations with Harold, and offered continued personal and expert support to AFPC.

**5. President's Address**

President Mike Namaka gave the President's address. A copy of the President's written report was circulated in advance. Mike acknowledged the council lead and highlighted the following achievements and accomplishments over the 2009/10 year.

- Continuation of annual faculty and student awards program (Mary MacCara)
- Work translating the AFPC website into French and 2009/10 update of the faculty database (Sylvie Marleau)

- Commencement of 2011 Winnipeg conference planning activities (Silvia Alessi-Severini)
- Completion of program evaluation toolbox (Ingrid Price)
- Executive committee hiring of Harold Lopatka
- Nominating committee recommendation for Lalitha Raman-Wilms to become 2010/11 President.
- Strategic planning committee identification of long range key priorities (Roy Dobson)
- Completion of educational outcomes for entry level pharm D - the outcomes were approved at the June 2 Council meeting (Nancy Waite).

Mike thanked the Executive and Council for their support. Also, Mike thanked Frank Abbott for the significant contributions he has made to AFPC and wished him well in his retirement.

## **6. Memorial to deceased members in 2009-2010**

A minute of silence was observed for AFPC deceased members; John Hubbard and Glen Hartnett (Saskatchewan).

## **7. AFPC Committee Reports**

### **7.1 Awards Committee Report**

Mary MacCara (chair) presented the Awards Committee report. Mary highlighted the 2010 award winners, the New Award recognizing innovation in pharmacy education, and acknowledged 2010 reviewers. A copy of the Committee report was circulated.

*Motion – To approve June 3, 2010 Awards Committee Report.* Moved – Roy Dobson, Second – John Hawboldt. Motion passed.

### **7.2 Bylaws Committee Report**

Roy Dobson (chair) presented the Bylaws Committee report. There was no new business conducted in 2009.

*Motion – to approve the June 3, 2010 Bylaws Committee Report.* Moved – Roy Dobson, Second – Linda Hensman. Motion passed.

### **7.3 Communications Committee Report**

Silvia Alessi-Severini (chair) presented the Communications Committee report. Items highlighted were the AFPC newsletter, website, and teaching / research database. In 2010, activities will occur to review the format and content of the newsletter. Sylvie Marleau reported on the project to update the teaching and research database. Sylvie thanked council members and the Dean's executive assistants for their assistance in conducting this update. Council members will be requested to assist in keeping the database updated. A copy of the written Committee report and the database project update report was circulated.

*Motion – to approve the June 3, 2010 Communications Committee Report.* Moved – Sylvie Marleau, Second – Nese Yuksel. Motion passed.

### **7.4 Conference Planning Committee 2010**

Simon Albon (chair) presented the 2010 Conference Planning Committee report. Simon's welcome in the forward to the "Bringing the Blueprint to Life" program guide highlighted information about the program content and format.

*Motion – To approve the June 3, 2010 Conference Planning Committee Report.* Moved – Simon Albon, Second – Roy Dobson. Motion passed.

### **7.5 Education Committee Report**

Nese Yuksel (chair) presented the 2010 Education Committee report. A copy of the written report and the May 2010 Educational Outcomes for First Professional Degree Programs in Pharmacy (Entry-to-practice Pharmacy Programs) in Canada circulated in advance. Nese highlighted the work done on the 2010 CPERC conference, the completion of the Educational Outcomes, and the work commenced on the 2011 Winnipeg CPERC conference. Nese acknowledged Simon Albon for his chairing of the 2010 conference.

Nese reported that the Educational Outcomes were approved at the June 2 council meeting. With respect to the Educational Outcomes Nese presented a three-part motion for approval as an addendum to the circulated Education Committee Report. The Education committee moved the following: 1) For AFPC Council and members to approve the “Educational Outcomes for the First Professional Degree in Pharmacy in Canada”, 2) In recognition that this is a dynamic document, to have a process in place for review that would include a 1-year interim review and a full review after 3 years, and 3) The levels and ranges that accompany the educational outcomes document are still in draft form and will be undergoing further revisions. As a result, the levels and ranges are not part of this approval.

With this 3-part motion addendum, Nese moved for approval of the Education Committee report.

Seconded by John Hawboldt. Motion passed.

### **7.6 Nominations Committee Report**

Roy Dobson (chair) presented the Nominations Committee report. A copy of the written report was circulated in advance. Roy highlighted the nominations: Lalitha Raman-Wilms to President, Ingrid Price to President Elect, and Mike Namaka to Past President. Nese Yuksel, Silvia Alessi-Severini, and Nancy Waite were nominated for additional three year terms until 2013. Tessa Nicholl was nominated as the UBC representative to AFPC council for a three year term until 2013.

*Motion – To approve the 2010 Nominations Committee recommendations.* Moved – Roy Dobson, Second – Linda Hensman. Motion passed.

### **7.7 PEP Canada Report**

Andrea Cameron (co-chair) presented the PEP Canada report (Bev Allen was not able to attend). A copy of the written report was circulated in advance. Andrea highlighted the following: Harriet Davies and Rosemin Kassam were 2010/11 co-chairs, the February 2010 think tank meeting was held with ADPC / CSHP, feedback was provided to the Educational Outcomes document, PEP C meetings were being held in parallel with the conference, and PEP C contributed to the educational program at the conference.

*Motion – To approve the June 2010 PEP Canada report.* Moved – Andrea Cameron, Second – Carmen Vézina. Motion passed.

John Pugsley requested clarification if new experiential models could be used for international graduates. This request will be referred to the AFPC new council.

### **7.8 Planning and Finance Committee**

Roy Dobson presented the Planning and Finance Committee’s reports (on behalf of Bev Allen). Three written reports were circulated; June 3 Finance committee report, 2009 Audited Financial Statements, and 2010 Budget. Roy highlighted that the organization’s 2009 and 2010 financial condition is related to the educational outcomes activity, the transition to the new Executive Director and the limited options for revenue enhancement.

The following motions (recommendations) were presented by the Finance Committee and approved by the AFPC Council on June 2. They are presented for AGM approval as the following motions.

*Motion 1 – The Finance Committee recommends the approval of the audited financial statements for the year ending December 31, 2009.*

*Motion 2 – The Finance Committee recommends that the AFPC approve the use of our contingency fund to withdraw \$30,000 from our reserves to be added to our income statement for the 2010 budget year with the objective of restoring these funds in the next 2-3 years.*

*Motion 3 – The Finance Committee recommends that the AFPC approve the revamping of our financial statements to reflect the tracking mechanism in the balance sheet for our reserve funds to reflect both the „appropriation and the transfer of funds” to offset expenditures for revenues generated for various projects and other income revenues not associated with the normal operations of AFPC.*

*Motion 4 - The Finance Committee recommends that the AFPC approve the proposed budget for the year ending December 31, 2010.*

Moved – Roy Dobson, Second – Nese Yuksel. Motions Passed.

Linda Hensman requested clarification about the timing of budget approvals vis-à-vis the AGM (2010 budget is approved at AGM mid way through 2010). This timing question will be reviewed by AFPC new council.

### **7.9 Program Evaluation Committee**

Ingrid Price (chair) presented a verbal report on the Program Evaluation Committee. Ingrid's highlights were; the committee consulted nationally, there is a specific need for program evaluation tools in pharmacy education. The work of the committee has culminated in a guide for program evaluation plus the tools to complete the task. These will soon be available on a secure part of the AFPC web site. *Motion – to approve the 2010 Program Evaluation Committee report.* Moved – Ingrid Price, Second – Roy Dobson. Motion passed.

### **7.10 Research Committee Report**

John Hawboldt (chair) provided a verbal report on the Research Committee. A copy of the June 3, 2010 written report was circulated in advance. Activities included updating research interests for the database and activities to encourage research in Canada.

*Motion – to approve the 2010 Research Committee report.* Moved – John Hawboldt, Second – Lalitha Raman-Wilms. Motion passed.

### **7.11 Strategic Plan**

Roy Dobson (lead and with Mike Namaka) presented a verbal report on the strategic plan. A copy of the June 3, 2010 written report was circulated in advance. Highlighted activities included a strategic planning session at the mid year meeting identifying 4 priority areas.

*Motion – to approve the 2010 Strategic Plan report.* Moved – Roy Dobson, Second – Sylvie Marleau. Motion passed.

## **8. Reports from Special Committees and Delegates**

### **8.1 Association of Deans of Pharmacy of Canada (ADPC)**

There was no written or verbal report from David Collins.

## **8.2 Blueprint Steering Committee**

Lalitha Raman-Wilms (for Zubin Austin) presented the June 3, 2010 report about the Blueprint Steering committee. A copy of the written report was circulated in advance. Lalitha highlighted that Zubin and she were alternates to the committee, Dennis Gorecki has been appointed as the chair of the steering committee, and some of the key projects being funded and moving forward. *Motion – To approve the 2010 Blueprint Steering Committee report.* Moved – Lalitha Raman-Wilms, Second – Linda Hensman. Motion passed.

## **8.3 Appointee to CCAPP**

Susan Mansour (and Carmen Vézina) presented the June 3, 2010 report from CCAPP. A copy of the written report was circulated in advance. Susan reported that effective July 1 there was a change in the Executive Director position from David Hill to Wayne Hindmarsh. Six accreditation activities were noted.

*Motion – to approve the 2010 CCAPP report.* Moved – Susan Mansour, Second – John Hawboldt. Motion passed.

## **8.4 Appointee to CCCEP**

There was no written or verbal report from Yvonne Shevchuk.

## **8.5 Canadian Patient Safety Institute (CPSI)**

Andrea Cameron reported that she had attended one meeting of CPSI last July and several teleconferences since, with a focus on exploring actions that could help to facilitate the uptake of the Patient Safety Competencies into the curricula of Health Sciences Programs. The report was received for information.

## **8.6 Academic Board Member of CPhA**

The May 2010 written report from Rita Caldwell was circulated in advance. The report was received for information.

## **8.7 Canadian Pharmacy Practice Research Group (CPPRG)**

Nese Yuksel presented the June 3, 2010 CPPRG report. Nese highlighted the advocacy activities, program at CPHA Calgary meeting and evaluation leadership. A copy of the written report was circulated in advance. The report was received for information.

## **8.8 Pharmacy Examining Board of Canada (PEBC)**

Anne Marie Whelan presented the June 3, 2010 PEBC liaison report. Anne Marie highlighted that in 2009 there were over 1330 pharmacists added to the PEBC register, 123 names were added to the pharmacy technician registry, and recommended changes to the pharmacy Blueprint were approved. A copy of the written report and the March 2010 PEBC Update was circulated in advance.

*Motion – To approve the 2009/10 PEBC report.* Moved – Anne Marie Whalen, Second – Mary MacCara. Motion passed.

## **8.9 United States Pharmacopoeia**

The June 3, 2010 written report from Raimar Loebenberg was circulated in advance. The report was received for information.



## **9. Report of Executive Director**

Frank Abbott presented his annual report. A copy of his written report was circulated in advance. Frank thanked AFPC council and other members for their cooperation and assistance. The following items were highlighted.

- AFPC accomplishments were significant over his 7 years as Executive Director
  - continued commitment and dedication of AFPC volunteers
  - growth of awards program and educational conference
  - responding to educational needs arising from changes in pharmacy
  - creation of PEP C group
- notable achievements in 2009/10
  - completion of educational outcomes for first professional degree in pharmacy
  - completion of program evaluation tool kit
  - approved statement on entry level Pharm D
  - new Woods-Hughes Special Service Award
  - hiring of new Executive Director for retiring Executive Director

Frank indicated he had mixed feelings about leaving but was looking forward to retirement.

## **10. Appointment of Auditor, Wolrige Mahon LLP, Chartered Accountants, Vancouver.**

A motion to approve the auditor was not presented. The decision and motion to retain the current auditor or transfer to a new auditor has not been made because of the current transition in the Executive Director from Frank Abbott to Harold Lopatka. The decision and approval of a motion about an auditor will be referred to the AFPC Executive Committee and Council. There were no concerns or objections to this approach from the AGM.

## **11 New Business**

### **11.1 Appointment of New Executive Director**

Mike Namaka reported that Harold Lopatka was recruited as Executive Director to replace Frank Abbott.

*Motion – To approve the appointment of Harold Lopatka as incoming Executive Director.*

Moved – Mike Namaka, Second – Roy Dobson. Motion passed.

## **12. Transfer of Presidency**

Incoming President Lalitha Raman-Wilms indicated she looked forward to her 2010/11 term and highlighted some AFPC priorities and challenges for her term.

- Disseminate educational outcomes
- Complete educational outcomes performance levels activity
- Disseminate program evaluation tools
- Disseminate Pharm D position statement
- Continuous improvement of communications capacity (newsletter, website)
- Continue to enable and support pharmacy faculties with challenges (e.g., capacity, entry level Pharm D, curricula changes, coping with change)

## **13. Confirmation of Signing Authority**

*Motion – Approval of signing authority for Harold Lopatka, Frank Abbott, and Lalitha Raman-Wilms.* Motion – Mike Namaka, Second – Roy Dobson. Motion Passed.

## **14. Adjournment**

Mike Namaka adjourned the meeting at 1350 hours.

**AFPC Annual General Meeting, Richmond, BC, June 3, 2010**  
**List of Attendees**

<b>Full Name</b>	<b>Affiliation</b>
Abbott, Frank	The University of British Columbia
Albon, Simon	The University of British Columbia
Alessi-Severini, Silvia	University of Manitoba
Barbier, Olivier	Université Laval
Brown, Sharon	University of British Columbia
Cadarette, Suzanne	University of Toronto
Calon, Frederic	Université Laval
Cameron, Andrea	University of Toronto
Chai, Sally	University of British Columbia
Choquette, Tania	Université de Montréal
Cox, Cheryl	University of Alberta
Davies, Harriet	Dalhousie University
Davis, Christine	University of Manitoba
Dobson, Roy	University of Saskatchewan
Dufresne, Marie-Eve	Université de Montréal
Ensom, Mary	University of British Columbia
Gaudet, Wendy	University of British Columbia
Gerber, Patricia	University of British Columbia
Gervais, Pascale	Université de Montréal
Gregoire, Jean-Pierre	Université Laval
Gdyczynski, Peter	Pharmacy Examining Board of Canada
Hawboldt, John	Memorial University of Newfoundland
Hensman, Linda	Memorial University of Newfoundland
Hill, David	University of Saskatchewan
Hughes, Christine	University of Alberta
Kassam, Rosemin	University of British Columbia
Kim-Sing, Angie	University of British Columbia
Law, Ernest	University of Alberta
Lee, Annie	University of Toronto
Lopatka, Harold	University of Alberta
MacCara, Mary	Dalhousie University
MacDonald, Glenda	University of British Columbia
Mansour, Susan	Dalhousie University
Marleau, Sylvie	Université de Montréal

Mitchell, Sharon	University of Alberta
Moisan, Jocelyne	Université Laval
Moy, Debra	University of Toronto
Mulherin, Katrina	University of Toronto
Nicholl, Tessa	University of British Columbia
Peterson, Cheryl	University of British Columbia
Price, Ingrid	The University of British Columbia
Pugsley, John	PEBC
Raman-Wilms, L.	University of Toronto
Reid, Ron	University of British Columbia
Sadowski, Cheryl	University of Alberta
Sanghera, Ravina	University of Alberta
Schindel, Terri	University of Alberta
Seet, Tony	University of British Columbia
Sindelar, Robert	University of British Columbia
Spurrell, Wanda	Memorial University of Newfoundland
Tang, Anson	University of Waterloo
Thompson, Ann	University of Alberta
Vanier, Marie-Claude	Université de Montréal
Verma, Arun	University of British Columbia
Vezenia, Carmen	Université Laval
Waite, Nancy	University of Waterloo
Watson, Hiliary	University of British Columbia
Whelan, Anne Marie	Dalhousie University
Yuksel, Nese	University of Alberta

Original with signatures is on file.



**AFPC**

Association of Faculties of Pharmacy of Canada  
Association des Facultés de Pharmacie du Canada

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## MINUTES

**AFPC NEW COUNCIL MEETING  
RIVER ROCK RESORT HOTEL  
RICHMOND, BC  
LILOOET ROOM, CONFERENCE CENTRE  
SATURDAY, JUNE 5, 2010  
9:00 AM – 12:00 NOON**

### 1. **Opening Remarks**

President Lalitha Raman-Wilms welcomed new council members and members starting another 3 year term; Tessa Nicholl from UBC (new member), Nése Yuksel, Silvia Alessi-Severini and Nancy Waite. Also, it was acknowledged that Daniel Thirion (U of Montreal) will resume his term; Sylvie Marleau had kindly stepped in to take his place this past year while Daniel had requested a leave from Council. Congratulations were extended to President Elect Ingrid Price. A welcome was extended to Harold Lopatka as AFPC Executive Director.

### 2. **Roll Call and Approval of the Agenda**

President Lalitha conducted a roll call. The following were in attendance. Ingrid Price (President elect), Mike Namaka (Past president), Tessa Nicholl (UBC), John Hawboldt (MUN), Sylvie Marleau (U Montreal for Daniel Thirion), Andrea Cameron (UT), Nese Yuksel (UA), Roy Dobson (sitting in for Bev Allen), Mary MacCara (Dal), Frederic Calon (UL), Silvia Alessi-Severini (UM), Nancy Waite (UW), Frank Abbott (outgoing Executive Director), Harold Lopatka (incoming Executive Director).

Lalitha moved that the revised New Council agenda be approved with the addition of agenda item 6.4 AACP Experiential Director Advanced Workshop. The motion was seconded by Mike and the motion was passed.

### 3. **Appointments and Charges to Committees**

#### 3.1 **Awards Committee**

The following were suggested appointments to the Awards Committee; Andrea (chair), Frederic, and Mary. Lalitha thanked Mary for her chairing of this committee. It was noted that the bulk of the work for this committee occurs from January to April (because of December 15 deadline for submissions) and it was suggested that the function of reviewing student research poster abstracts be transferred to the Research Committee. There was general agreement about this transfer in committee responsibilities. Mary provided a copy of a CD with committee documents to Frederic and Harold.

*Action item (agenda item 3.1):*

*Revise terms of reference for awards committee. Poster review function to be moved to research committee.*

### **3.2 Bylaws Committee**

The following were suggested appointments to the Bylaws Committee; Mike (chair) and Harold. Harold will review the bylaws to assess if there is need for revisions. In addition, the councilor reference manual will be reviewed and an AFPC councilor job description will be developed.

*Action item (agenda item 3.2):*

*HL to review current bylaws and identify potential revisions (if required).*

### **3.3 Communications Committee**

The following were suggested appointments to the Communications Committee; Daniel (chair), Frederic, John, and Rebecca Law. Lalitha thanked Sylvie for her work on this committee and especially in updating the membership database. Sylvie noted that French translation requires significant effort and that the updates will be completed by September. At that time, faculty should be informed and thanked for their input. A mechanism needs to be developed to regularly update the database (suggested every 2 years).

The following were suggestions for committee strategies and activities for the coming year.

- Review newsletter format / content (consider more frequent newsletters with lesser content)
- Conduct membership satisfaction survey about newsletter
- Assess feasibility of improvements to website (general layout, analytics, use of secure access for posting and marketing program evaluation tool)
- Investigate potential for website interactive use by special interest groups
- Develop process for charging external users for access to documents on website (e.g., program evaluation tools)
- Ongoing process for keeping member database updated (e.g., timing of updates, involving respective AFPC councilor or Dean's executive assistant)

It was noted that Simon Albon will be collecting speaker presentations for posting on the website. Frank noted that special acknowledgement will be required for Rx and D who provided an \$8K grant to offset costs for updating the teaching database.

*Action items: (agenda item 3.3):*

- *Review newsletter format and content. Consider member survey to assess.*
- *Advise councilors when database updates are completed. Initiate process to keep database updated.*
- *HL to investigate and initiate website improvements (see above).*
- *Post 2010 conference speaker presentations on website.*
- *Develop process for charging external users for access to secure information.*
- *Acknowledge Rx and D for grant (teaching information on website).*

### **3.4 Conference Planning Committee 2011**

Silvia (chair) and the local committee members are planning the 2<sup>nd</sup> Canadian Pharmacy Education and Research Conference. The conference will be held in Winnipeg at the Fort Gary Hotel over the period June 5-8, 2011 (Sunday-Wednesday). Council business meetings will

occur before and after the conference. The theme of the conference is the “dynamic nature of the pharmacy curriculum”. The program will include a tour of the new pharmacy building. The conference planning committee will consult with the Education Committee as needed. One item identified for potential inclusion in the program was a symposium for current and future pharmacist experiential preceptors. The symposium should be eligible for pharmacist CE credits and marketed well in advance of the event. Pharmacists should be encouraged to attend the remainder of the CPERC.

*Action items (agenda item 3.4):*

*Consider pharmacist experiential preceptor symposium as part of program (includes CE credits, preceptor training, include co-chairs of PEP C group in planning).*

### **3.5 Conference 2012**

Frederic (chair) and his local committee have commenced early planning on 2012 Canadian Pharmacy Education and Research Conference. Dates and venue have not been finalized and checks about potential alignment with other conferences and groups have not been completed. Frederic will be added as an observer to the local Conference 2011 committee to assist in planning for the 2012 Quebec conference.

Frank noted there is a memory book that is maintained by the local conference planning group about activities related to holding the conference. The book is passed on to the following year event planners.

*Action items (agenda item 3.5):*

*Confirm dates and venue. Check on alignment with other conferences e.g., CPhA, CSPS.*

### **3.6 Education Committee - Educational Outcomes Task Force**

The following were suggested appointments to the Education Committee; Nese (chair), Nancy, Sylvia, Frederic, Tessa, and Ingrid. The following were suggested priorities and activities for the coming year.

- Continue activities to initiate phase 2 of the educational outcomes project - levels / ranges (develop statement of consulting needs, contact N. Winslade)
- Disseminate educational outcomes document (e.g., inform stakeholders of availability, website, circulation); Nese to draft a paragraph on the educational outcomes which can be included as a preamble.
- Consider survey of faculties progress in implementing new education outcomes
- Investigate opportunities for comparative educational outcome benchmarking project
- Investigate feasibility of French translation of educational outcomes
- Review Blueprint tracking document for other potential educational committee priorities and activities

*Action item (agenda item 3.6):*

- *HL and NW to develop consultant work requirements for phase 2 EO levels / ranges project in advance of discussion with N. Winslade.*
- *Education committee to review other priorities and activities listed (see above).*

### **3.7 Executive Committee**

The following are the members of executive; Lalitha (chair), Mike, Ingrid, Harold. Harold reported that it will be his intention to prepare the 2012 AFPC operating budget for review by the Executive Committee in advance of the October ADPC meeting.

*Action item (agenda item 3.7):*

*Harold to develop and circulate 2012 AFPC / ADPC operating budget for review before October ADPC meeting.*

### **3.8 Fund Raising Committee**

The following were identified for the Fund Raising Committee; Dan, Rob Macgregor (to be consulted) and Harold. Follow-up note: Lalitha will check with the U of T new Associate Dean, Research – Ray Reilly as Rob is going on sabbatical starting July 1.

### **3.9 Nominating Committee**

Mike (chair) was named to nominating committee.

### **3.10 PEP Canada Special Interest Group**

Bev, Andrea (alternate) were confirmed as the appointments to the PEP C SIG.

### **3.11 Planning and Finance Committee**

The following were appointments to this committee; Lalitha (President), Ingrid (President Elect), Mike (Past President), Bev and Harold. Harold reported that it will be his intention to prepare the 2012 AFPC operating budget for review by the Planning and Finance Committee in advance of the October ADPC meeting.

*Action item (item 3.11):*

*Review AFPC / ADPC 2012 operating budget forecast with Planning and Finance Committee in advance of October ADPC meeting.*

### **3.12 Program Evaluation Committee (SIG)**

The following were appointed to the Program Evaluation Committee; Ingrid (chair), Terri Schindel, Nancy, and Roy. A priority for Ingrid will be to complete the program evaluation tools and integrate them into a single PDF document (1 month estimated by Ingrid). The document will be posted in the secure part of the website and efforts will be made to market the document to external stakeholders.

*Action items (item 3.12):*

*Discussed June 2 Council meeting. Ingrid to complete program evaluation tools and integrate into PDF. Post document on secure part of AFPC website. Develop strategy for marketing and selling to external stakeholders.*

### **3.13 Research Committee**

Frederic and John were appointed as Research Committee co-chairs. The committee terms of reference were revised by Mike (to include activities including analyzing conference participation and conference abstract presentation patterns related to the various research areas). The following were suggestions for Research Committee priorities and activities in the coming year.

- Include the responsibility for the review of conference student research poster abstracts (see Awards Committee discussion)
  - Increase focus on encouraging and facilitating pharmacy education research
  - Increase focus on supporting members' development and maintenance of research skills
  - Increase emphasis on providing forums for graduate students to develop research skills
- Further revisions will be required to include the above activities.

*Action item (item 3.13):*

*Revise research committee terms of reference (to include review of annual conference student research posters, and other new committee activities e.g., increase focus on encouraging and facilitating pharmacy education research, increase focus on supporting members' development and maintenance of research skills, and increase emphasis on providing forums for graduate students to develop).*

### **3.14 Strategic Planning Committee**

Mike (chair) and Roy were confirmed as appointments to the Strategic Planning Committee.

*General Action Items relating to Agenda item 3:*

- *Check by-laws about having AFPC members who are not on council as subcommittee chairs or members. Create job description for AFPC councilor.*
- *Make revisions to website of AFPC council, subcommittee chairs and subcommittee members.*
- *Notify new individuals appointed as chairs and subcommittee members.*

## **4. Confirmation of AFPC Representatives, Delegates and Council Member Assignments**

Note: Because of time constraints, President Lalitha suggested all agenda items under section 4 be tabled and follow-up with council would occur through email.

**4.1 ADPC Representative – TABLED**

**4.2 Blueprint for pharmacy steering committee – TABLED**

**4.3 Canadian Council for Accreditation of Pharmacy Programs (CCAPP) – TABLED**

**4.4 Canadian Council for Continuing Education in Pharmacy (CCCEP) – TABLED**

**4.5 Canadian Patient Safety Institute – TABLED**

**4.6 Canadian Pharmacy Practice Research Group (CPPRG) – TABLED**

**4.7 Canadian Society of Hospital Pharmacists Annual Meeting – TABLED**

**4.8 Communications Editor – TABLED**

**4.9 Pharmacy Examining Board of Canada – TABLED**



**4.10 United States Pharmacopoeia representative – TABLED**

**4.11 New position paper - TABLED**

*General Action items related to agenda item 4:*

*Lalitha, Harold, Frank to document suggestions. Suggestions will be circulated via email to council for feedback and approval.*

**5. Business arising from the June 2, 2010 Council Meeting and June 3, 2010 AGM**

Note: Because of time constraints the items in this section were prioritized by President Lalitha. Other items will be tabled until the mid year meeting.

**5.1 Next steps re: AFPC Position Statement re: Entry level Pharm D**

This item was discussed at the June 2 AFPC meeting. In addition, the item was discussed at the June 4 ADPC meeting. The Deans suggested a formal press release not occur at this time as this might be construed as a back door action by the provincial governments and jeopardize individual faculty negotiations with provincial governments about their entry level Pharm D programs. Given this concern, Council opted to hold action on the press release and post the position statement on the AFPC website.

*Action item (agenda item 5.1):*

*Post position statement on AFPC website.*

**5.2 Joint Meeting ADPC / CSHP / PEPC**

At the May Calgary meeting an action list of 5 items were agreed to. A copy of the 1<sup>st</sup> draft document was provided to Council. PEP C is reviewing draft 1 and will provide their comments to Harold. PEP C revisions to the document will be reviewed with Cathy Lyder from CSHP and a final list produced. The goal will be to have significant action completed on the 5 items by the October ADPC meeting. The longer term goal will be to obtain CSHP support for the new entry level Pharm D program and the experiential learning associated with the entry level Pharm D.

*Action item (agenda item 5.2):*

*Consolidate feedback from PEP C and respond to CSHP.*

**5.3 Process for connecting AFPC councilors with local CAPSI Representatives – TABLED**

**5.4 Distributing AFPC newsletter to external stakeholders – TABLED**

**5.5 AFPC action items from Blue Print Report – for future completion**

Lalitha highlighted a number of action objectives from the Blueprint for Pharmacy tracking grid and encouraged reflection about AFPC current progress or future actions related to each. The following Blueprint action objectives were highlighted.

- Ensure that core pharmacy curricula address the knowledge, skills and value required for future pharmacy practice to ensure new graduates are prepared to develop and practice in

emerging roles. (1.1) → AFPC has made progress towards this objective with the approval and release of the new educational outcomes, by AFPC advocacy activities, and from annual conference topics and presentations. The education committee will focus some of its future activities to help achieve this objective.

- Promote and increase interprofessional and intraprofessional approaches to education and training to ensure optimal patient-centred care in an integrated health care environment. (1.2) → AFPC has made progress towards this objective by including IPE sessions as part of our conferences; IPE will be highlighted at the next conference. AFPC will consider how best to collate information on IPE currently in place at Faculties (Ingrid to look into this).
- Address challenges that affect the education, recruitment and retention of pharmacy educators and learning facilitators, to ensure that quality and quantity of educators, facilitators and preceptors. (1.3) → AFPC has made progress towards this objective from the session held at this year's conference, through the use of the program evaluation tool, and through PEP C activities. The discussion summary of some of these sessions will be made available through the AFPC website (Simon to assist with this).
- Ensure all pharmacy professionals, including students, value and develop life-long learning and personal performance assessment skills to assist them to be competent to practice in these emerging roles. (1.4) → AFPC progress towards this objective to be assessed at next meeting.
- Increase the accessibility, quality, quantity and variety of experiential learning opportunities to prepare pharmacy professionals, including students, to practice in expanded and innovative roles. (1.5) → AFPC has made progress towards this objective from with formal discussions of ADPC, PEP-C and CSHP; the reports from these discussions will develop to action items. AFPC and ADPC also continue to support the work of PEP-C which continues to discussion strategies in this area.
- Create partnerships to develop and deliver learning programs to facilitate innovation in pharmacy services. (1.8) → AFPC has made progress towards this objective through collaborations (to be expanded upon at next council meeting).
- Conduct and utilize research to develop, evaluate and improve education and CPD programs. (1.11) → AFPC has revised the terms of reference of the Research Committee to increase progress towards this objective.

*Action item (agenda item 5.5):*

*Obtain copy of Blueprint report. Update tracking of progress on AFPC / ADPC items. Distribute to Council for review and comment. Review on continuous basis and provide feedback to Blueprint office.*

#### **5.6 Potential PEP-C application to CFP competition – TABLED**

#### **5.7 Potential AFPC funding application related to IPG grant – TABLED**

#### **5.8 AFPC / Pharmaceutical industry partner guidelines / ethics / sponsorship**

Mike and Harold will research and develop an AFPC guideline or statement on industry partnerships. The AACP statement will be reviewed along with guidelines from other organizations. It was suggested that an ethics resource be consulted.

*Action item (agenda item 5.8):*

*Obtain AACP position statement. Develop AFPC position statement / guidelines. Ethics review to be considered.*

**5.9 Follow-up action related to concern about timing of AGM budget approval – TABLED**

**5.10 Potential new membership category – preceptors for experiential programs - TABLED**

## **6. New Business**

### **6.1 Confirmation of Date and Time for Mid-year Meeting**

The AFPC and ADPC mid year meeting will be planned to precede or follow the PPC conference in Toronto (late January, early February 2011). The ADPC meeting will be on the first 1 ½ days and the AFPC meeting will be on the second 1 ½ days. Harold will contact CSHP to determine the PPC schedule.

*Action item (agenda item 6.1):*

*Confirm dates of PPC. ADPC meeting 1 ½ days. AFPC council meeting 1 ½ days.*

### **6.2 Confirmation of Date and Time for 2011 Conference**

Addressed previously - see agenda item 3.4.

### **6.3 Confirmation of Date and Time for 2012 Conference**

Addressed previously - see agenda item 3.5.

### **6.4 Experiential Education Director Workshop – AACP**

Harold reported that Lucinda Maine asked if AFPC would be interested in participating in a fall conference with the focus being on an advanced workshop for experiential education directors. The workshop will be held in Chicago. It is Harold's understanding that there will not be any financial commitment required on behalf of AFPC. Council agreed that follow-up should occur. Andrea will be the AFPC contact assuming there is a requirement for feedback about the program. The PEP C co-chairs, Rosemin and Harriet might be consulted. Harold will follow-up with Lucinda Maine.

*Action item (agenda item 6.4):*

*Andrea to be initial AFPC point person. PEP C individual (s) may be identified (e.g., Rosemin, Harriet). HL to advise AACP.*

## **7. Strategic Planning Session: Time permitting**

As Coordinator of the strategic planning initiatives, Roy distributed strategic plan tracking tool. The document is a reporting template for each of the 3 action teams identified at the strategic planning session. Roy will facilitate task groups to complete the reporting framework. Roy will send out a follow-up email.

*Action item (agenda item 7):*

*SP lead, Roy, to facilitate individual task groups completion of reporting framework.*

## **8. Adjournment**

President Lalitha adjourned the meeting at 12 noon PST.

# **PART 3**

## **REPORTS OF AFPC STANDING COMMITTEES, REPRESENTATIVES AND DELEGATES**

**2010**

**Association of Faculties of Pharmacy of Canada**  
**Annual General Meeting**  
**June 3rd, 2010**  
**Richmond, British Columbia**

**President's Report**

Following in the footsteps of Dr. Roy Dobson the past President from the University of Saskatchewan has not been an easy task. His exemplary leadership, motivation, organizational skills and drive for success has been instrumental in the continued successes of AFPC. Prior to Dr Dobson, I also had the privilege of working on council under the presidential leadership of Simon Albon from the University of British Columbia. Although I can't believe that a decade passes by so quickly, upon reflecting back I have served on AFPC council since May 2001. During the majority of my tenure with AFPC, I had come to know Dr Frank Abbott the Executive Director of this organization. Dr Abbott's endless contributions to AFPC will leave a legacy of accomplishments following his retirement that reflect his dedication to AFPC. Following the completion of 2 elected terms, I was approached to serve as President Elect which was a very humbling and gratifying experience. I was very honoured that my colleagues and peers nominated me to this position that would allow me the opportunity to utilize my long standing history with AFPC to continue to advance the organization in key directions that foster its continued success. As I reflect back, when I first joined council, it's the terrific people such as Lavern, Anne Marie, Susan, Dennis, Yvonne, Fred, Ingrid, Sylvie, Simon and many others that have provided me with the mentorship and future visions for AFPC that have made my time with AFPC so memorable and rewarding. These are the true leaders of the profession of pharmacy that have and will continue to shape our fascinating profession. AFPC is a terrific organization that supports personal friendships and professional networking across the country and I am very proud to have had the opportunity to work with so many people and organizations that are affiliated with AFPC.

In presenting my report to you today I would like to note **some** of the significant accomplishments of AFPC over the past year, as well as some of our future challenges and opportunities.

**Awards:** AFPC continues to work with its many partners to enhance our existing awards and to develop new awards to better recognize the contribution of our members. This year, under the capable leadership of our Awards Chairperson, Mary MacCara and our Executive Director, Frank Abbott I would like to thank you the members for your continued support to serve as award reviewers.

**AFPC Web-site:** As of May 15<sup>th</sup> 2009, work continues on the French Mirror Site, including translation of all website and website related pages. A plan for maintaining translation of the website is needed and will remain a priority for AFPC. Thanks to the

tireless efforts of Sylvie Marleau research and teaching database directories have been developed.

**Conference Planning:** Dr Sylvia Alessi-Severini from the University of Manitoba is functioning as the Chair of the conference planning committee to deliver an exciting program at the 2<sup>nd</sup> Annual Canadian Pharmacy Education and Research Conference (CPERC) June 5<sup>th</sup> to 8<sup>th</sup>, 2011 in Winnipeg, MB at the Fort Garry Hotel.

**Program Evaluation:** Under the leadership of Ingrid Price, the Program Evaluation toolbox has been completed. As individual faculties move forward with their own program evaluation processes, and begin to use the program evaluation tools and guides, AFPC will continue to add to the resources available on our web-site and to facilitate the uptake of these materials by the faculties.

**Executive Committee:** Due to the announced retirement of Dr Frank Abbott as the Executive Director, the executive committee was charged with the responsibility of conducting a search for a new Executive Director. It gives me great pleasure to announce that Harold Lopatka from the University of Alberta has been the successful candidate for this position. Harold brings forth a tremendous wealth of experience and motivation that will facilitate the continued success of AFPC. Special thanks for all the committee members especially Roy and Lalitha for all the time and effort they put forth in this regard.

**Nominating Committee:** On behalf of AFPC it gives me great pleasure that Dr Lalitha Raman-Wilms from the University of Toronto will be taking over as the new AFPC President. Her experience, dedication and future vision of the profession of pharmacy poises her in an excellent position to advance AFPC in key areas over the upcoming year.

**Strategic Planning Committee:** Under the facilitation of Dr Roy Dobson, we had a very productive strategic planning meeting at the midyear meeting in Toronto that has identified key areas of priority that AFPC will embark upon under the direction of the new President Lalitha. Roy exemplary efforts as a facilitator and moderator of such events have been instrumental in the continued successes of AFPC.

**Educational Outcomes for Entry Level Pharm D (ELPD):** Nancy Winslade has been working over the course of this year with AFPC to draft the educational outcomes for the ELPD program. The draft of these outcomes were received and sent out to all Faculty for comments. Nancy has completed the revisions to the outcomes and is now pursuing the details for the levels and ranges of competency for each of the educational outcomes. It is AFPC's goal to have a finalized document in this regard by the AGM next year in Winnipeg.

In Closing, I would like to sincerely, thank the AFPC Executive and Council for all their support during my presidential year. Any success we achieved during my time as President is because of you and your commitment to AFPC. I would like to welcome

Lalitha as your President for 2010-2011, and I wish her every success in all her endeavours. I am confident that Lalitha will be an excellent leader for our organization and I look forward to supporting her in my new role of Past-president.

Finally, I want to thank our Executive Director, Frank Abbott. As you may or may not know, Frank will be stepping down as the Executive Director following this years AGM in Vancouver. Frank, I honestly don't know what we would have done without you. It has been a real honour to work with you.

To the membership, enjoy this year's meeting, take time to catch up with old friends and make new friends and look forward to seeing everyone next year for the AGM in Winnipeg.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Mike Namaka". The signature is fluid and cursive, with a large loop at the end.

Mike Namaka AFPC President (2009-2010)  
June 3rd, 2010

**Awards Committee Report  
AFPC Annual General Meeting  
Thursday, June 3, 2010**

Awards Committee Members: Frédéric Calon, Lalitha Raman-Wilms, Mary MacCara (Chair)

**1. Awards for 2010:**

AFPC-Sanofi-Aventis New Investigator Research Award  
**Olivier Barbier, Université Laval**

AFPC Bristol-Myers Squibb National Award For Excellence In Education  
**Marie-Claude Vanier, Université de Montréal**

AFPC-Pfizer Research Career Award  
**Ingrid Sketris, Dalhousie University**

AFPC -GLAXOSMITHKLINE / Graduate Student Research Award  
**Melissa Cheung, University of Toronto**

AFPC - CFP Pharmacy Practice Research Award  
**Ani Byrne, University of Toronto**

Merck Frosst Canada Inc. Postgraduate Pharmacy Fellowship Award  
**Erin Yakiwchuk, University of Saskatchewan**

**AFPC-PHARMACY RESEARCH POSTER AWARDS 2010 / 2010 PRIX DE LA AFPC  
POUR LA RECHERCHE EN PHARMACIE  
(AFPC PHARMACY STUDENT NATIONAL POSTER AWARDS)**

**Memorial University of Newfoundland:**

**Meghan Wall**

Supervisor: Scott Edwards

“The Impact of a Multidisciplinary Toxicity Assessment Monitoring Program within an Ambulatory Capecitabine-Radiation Oncology Clinic”

**Dalhousie University:**

**Melissa Hawkins**

Supervisor: David Gardner

“Oculogyric Crisis with Atypical Antipsychotics: A Case Series”

**Université Laval:**

**Nicolas Morin**

Supervisor: Thérèse Di Paolo

“Effect of the metabotropic glutamate receptor type 5 antagonists MPEP and MTEP in parkinsonian monkeys”.



**Université de Montréal:**

**Marie-Ève Bédard-Dufresne**

Supervisor: Supervisor: David Williamson

“Drug-Induced Hepatic Cholestasis in the ICU: A Case Control Study”

**University of Toronto:**

**Niladri Chattopadhyay**

Supervisor: Ray Reilly

“Design, construction and characterization of trastuzumab-conjugated gold nanoparticles (AuNPs) for enhanced X-radiation treatment of locally advanced breast cancer (LABC)”

**University of Waterloo:**

**Nafiseh Nafissi**

Supervisor: Roderick A. Slavcev

“Construction of an improved gene delivery platform”

**University of Manitoba:**

**Ahmed S. Abdelmoneim**

Supervisor: Lavern Vercaigne

“Optimizing the management of hemodialysis catheter occlusion”

**University of Saskatchewan:**

**Ravi Shankar Prasad Singh**

Supervisor: Jane Alcorn

“Suitability of MDCK Cell Line as a Tool for Intestinal Permeability Screening of Antineoplastic Compounds”

**University of Alberta:**

**Ms. Dalia Amr Hamdy El Sayed**

Supervisor: Dion Brocks

“High Performance Liquid Chromatographic Assay for the Simultaneous Determination of Midazolam and Ketoconazole in Rat Plasma and Its Application in a Drug Interaction Study”

**University of British Columbia:**

**Sandy YH Lu**

Supervisor: Kathleen M MacLeod

“Mechanism of High Glucose-Induced Activation of the RhoA/Rho-Kinase Pathway in Primary Cardiomyocytes”

**AFPC Woods-Hughes Special Service Awards**

Three AFPC members are being recognized with the AFPC Woods-Hughes Special Service Award for their exceptional service to AFPC over the years. They are Simon Albon, University of British Columbia, Sylvie Marleau, Université de Montréal and Susan Mansour, Dalhousie University.

**2. New Award Recognizing Innovation in Pharmacy Education (Draft)**

The Committee has developed draft criteria (attached) for a new award to recognize significant innovations in teaching, learning and/or assessment by AFPC members. It will differ from the AFPC Bristol-Myers Squibb National Award for Excellence in Education, which recognizes along with innovation, longstanding excellence and leadership in education.

### 3. Acknowledgement of Reviewers

Thirty-one AFPC members (names provided below) participated as reviewers of awards this year. The help of these reviewers is very much appreciated.

Respectfully submitted,



Mary MacCara, Pharm D  
Chair, AFPC Awards Committee

### Award Reviewers for 2010

Zubin Austin	University of Toronto
Ildiko Badea	University of Saskatchewan
Olivier Barbier	Université Laval
Michael Beazley	University of Waterloo
Danette Beechinor	University of Waterloo
David Blackburn	University of Saskatchewan
Brian Cairns	University of British Columbia
Thomas Chang	University of British Columbia
Christine Davis	University of Manitoba
Thérèse Di Paola	Université Laval
Roy Dobson	University of Saskatchewan
Benoit Drolet	Université Laval
Ayman El-Kadi	University of Alberta
Yuewan Gong	University of Manitoba
Xiaochen Gu	University of Manitoba
Urs Hafeli	University of British Columbia
Rosemin Kassam	University of British Columbia
Kamaljit Kaur	University of Alberta
Deborah Kelly	Memorial University of Newfoundland
Ed Krol	University of Saskatchewan
Afsaneh Lavasanifar	University of Alberta
Grégoire LeClair	Université de Montréal
Jean Lefevre	Université Laval
Franco Pasutto	University of Alberta

Kristine Petrasko	University of Manitoba
Fred Remillard	University of Saskatchewan
Cynthia Richard	University of Waterloo
Mavanur Suresh	University of Alberta
Carlos Velazquez	University of Alberta
Lili Wang	Memorial University of Newfoundland
Pollen Yeung	Dalhousie University

## **Draft AFPC Award For Innovation In Education<sup>1</sup>**

<sup>1</sup>Wording of this award, especially concerning submission of portfolio, is similar to that used for the 2008 AACCP Innovations in Teaching Competition

### I. Name of the Award:

"AFPC \_\_\_\_ Award for Innovation in Education"

### II. Donors:

\_\_\_\_ and AFPC.

### III. Purpose:

This Award will recognize the development of significant innovations in teaching, learning and/or assessment that have been implemented and evaluated by members of the academic staff and are currently in place and operating within a Faculty, College, or School of Pharmacy within Canada.

### IV. Award:

1. A certificate, engraved plaque or appropriate equivalent will be presented to the recipient at the annual meeting of the Association of Faculties of Pharmacy of Canada (AFPC).
2. Complimentary registration to the annual conference will be provided by AFPC. The recipient will also be reimbursed for travel expenses including return economy-class airfare, from his/her residence to the site of the AFPC annual conference.

### V. Selection Criteria:

1. AFPC members who have developed an innovation in pharmacy education are eligible for this award.
2. The candidate will be selected based upon the innovation and demonstration of its impact within the candidate's Faculty, College or School.

### VI. Procedure for Nominating Eligible Candidates and Submitting Application:

1. A candidate shall be nominated by at least two AFPC members.
2. The nominators will submit a letter indicating why the innovation is significant and the impact it has made within their Faculty, College or School and its applicability beyond their institution.
3. The nominee shall sign the nomination form indicating willingness to let his/her name stand.
4. The nominee will submit a portfolio in PDF of no more than 25 pages, following the outline below. Clarity and conciseness will be valued in this portfolio.

Description of the innovation 40%

- Describe intent and reasons for implementing the innovation.

- State specific learning objectives/desired outcomes that the innovation addresses.
  - Include sample instructional or assessment materials.
  - Describe or provide examples of what happens in the course or specific activity (e.g., what the student does, what the instructor does)
- Evidence of impact on student learning 40%
- Include student and peer evaluations of the innovation.
  - Discuss how the evidence suggests that the strategy or materials are effective. May include student work samples, tables, etc.
- Practicality/Workability/Transferability 10%
- Discuss how easily the innovation might be implemented at other colleges and schools of pharmacy or within other experiential learning environments.
- Personal reflections 10%
- Describe what makes the approach/materials innovative in pharmacy education.
  - What does this innovation add to existing information in this area?
  - Discuss what was successful and not successful.
  - Describe any modifications planned and the rationale for those modifications.
5. The nominee and nominators shall submit all material in support of the application directly to the Executive Director of AFPC by December 15.

#### VII. Method of Selection:

1. Prior to September 30 of each year, the Executive Director of AFPC shall inform all members of the terms of reference, criteria, and application procedures for the Award.
2. Applications, including all relevant materials and documentation as outlined in 'Procedures for Nominating Eligible Candidates and Submitting Application', must be received by the Executive Director of AFPC no later than December 15. Applications should be forwarded by Email ([fabbott@telus.net](mailto:fabbott@telus.net)) in PDF.
3. The Awards Committee of AFPC shall review all applications and select the candidate who, in their judgment, best meets the criteria for the Award.
4. The Awards Committee shall make their selection no later than April 1st and forward the name of the winning candidate to the Executive Director of AFPC, who shall in turn inform the Donor, after appropriate ratification of the Committee's decision by the AFPC Executive.
5. Presentation of the Award shall be made at the annual meeting of AFPC.
6. The successful candidate must agree to attend the appropriate AFPC function to receive the Award and to make a suitable educational presentation on that occasion.
7. No individual may receive the Award more than once in any five (5) year period.
8. If there is no suitable candidate, the Award shall not be given in that particular year.
9. Nothing shall preclude the presentation of the Award posthumously, provided that the candidate was not deceased prior to twelve (12) months before the presentation of the Award.

**Bylaws Committee Report  
AFPC Annual General Meeting  
River Rock Casino Resort  
Richmond, BC, June 3, 2010  
Roy Dobson (Chair)**

**Bylaws Committee Members:**

Dr. David Collins (ADPC)  
Dr. Mike Namaka (President)  
Dr. Frank Abbott (Executive Director)  
Dr. Roy Dobson (Past-President, Chair)

No business of the AFPC Bylaws Committee undertaken since the Halifax 2009 AGM.

Respectfully submitted

A handwritten signature in black ink, appearing to be 'RD', with a long horizontal line extending to the right.

Roy Dobson  
Past-President

**AFPC Communications Committee Report**  
**AFPC Annual General Meeting**  
**River Rock Casino Resort**  
**Vancouver, BC**  
**Thursday, June 3, 2010**

**Members:** Silvia Alessi-Severini (chair, University of Manitoba), Rebecca Law (Memorial University of Newfoundland), Sylvie Marleau (Universite' de Montreal), Frederick Calon (Laval University), John Hawboldt (Memorial University of Newfoundland)

**1) AFPC Newsletter**

The AFPC newsletter continues to be published three times per year (January/February, April/May, September/October). AFPC councilors submit information on their respective Faculty for publication to Rebecca Law, the newsletter Editor. Faculties also take turns in providing "Spotlights" for the newsletter highlighting special activities within the Faculty.

"Spotlights" in 2010 were Dalhousie University, the University of Alberta and later this year the University of Manitoba. Final submission deadlines are generally sent out in early December.

The newsletter format (including content headers and **bolding**) is provided for reference below to help streamline the editing process for Rebecca:

**1) Academic Appointments, Promotions, Resignations, Retirements**

**2) General Faculty News:** any issues of a broad faculty-wide nature

**3) Individual Faculty News:** - presentations, publications, honours and awards, other noteworthy contributions etc.

**Grants** (or as New Patents, New Grants, Grant Renewals etc.)

**Student News** (eg. Degrees Granted, major student awards or achievements, etc.)

**4) Major Visitors**

**5) Other things:** (eg. Opportunities, Education Corner, In Memoriam, etc.)

**6) AFPC Communication Newsletter Formatting Issues**

For consistency of submissions in the newsletter, please use the following guidelines in your submissions:

- Please **do not** indent paragraphs, or use hanging indents.
- Please **do not** format with additional spacing before or after each paragraph (as is done here with this paragraph). To separate paragraphs, please <return> twice to give an extra blank line between paragraphs.

- Please **do not** double-space your entire submission. Use single spacing except between paragraphs.
- Please **DO** use Times New Roman, Normal, 11 font. (This is the usual font type in the newsletter).
- Please submit the document in Microsoft Word, if possible. (Rebecca can convert from Word Perfect if necessary).

**Note: The Communications Committee would like to thank Rebecca for her continuing excellent work as Editor of the AFPC Newsletter.**

## **2) Website Management**

The AFPC website is currently managed by a company (Graphically Speaking ([www.graphicallyspeaking.ca](http://www.graphicallyspeaking.ca)) that was hired in November 2008 and is located in Vancouver. Concerns have been raised regarding the costs associated with the website management. A decision was made at the mid-year Council meeting (February 6-7, 2010) to reassess the cost-effectiveness of retaining the services of Graphically Speaking after the appointment of the new Executive Director.

**Note: The Communication Committee will work with the newly appointed Executive Director to make sure that the AFPC communication needs are met in the most cost-effective way.**

## **3) Teaching and Research Databases**

Sylvie Marleau has been updating the teaching and research databases on the AFPC website. Faculties have been approached to provide updates and revisions of their profiles. At this time University of Montreal, Dalhousie and part of Manitoba'

**Note: The Communications Committee would like to thank Sylvie for her outstanding on-going work on this project.**

Respectfully submitted:

Silvia Alessi-Severini  
Chair, Communications Committee

**AFPC Communications Committee – DATABASE project**  
**AFPC Annual General Meeting**  
**River Rock Casino Resort**  
**Vancouver, BC**  
**June 3, 2010**

**Members:** Silvia Alessi-Severini, Frederic Calon, John Hawboldt, Nancy Waite, Sylvie Marleau

**Progress since midyear meeting:**

**1. Faculties that have been revised**

The aim was to update the information (website, discipline, research areas, keywords (for both research and teaching). To this aim, I have revised (or add) the info for each member, and provided them with a link to the AFPC directory for the revision of their info.

At the midyear meeting, the Faculty of Pharmacy at the Université de Montréal has been successfully revised in this way.

At the present time, Dalhousie, Alberta and Laval (thanks to Frederic) have been completed. Manitoba is almost completed (~90%) and the revision for the Leslie Dan Faculty of Pharmacy Toronto has been initiated.

Collection of data for Waterloo (Nancy Waite) is in progress.

**2. Future work:**

The remaining Faculties (Vancouver, Saskatchewan and Memorial) will be revised over the following weeks, with the help of a graduate student.

**3. Response rate/comments:**

The response rate has been over 90%. Faculty members appear to be happy to have the opportunity to update their info. Some of them learned for the first time the existence of the database.

The limitation of the present database is with the disciplines, inasmuch as they have been «preset» and I cannot change them. Yet, I can easily add new research areas. It appears to be satisfactory for most people.

It has been a huge undertaking but I believe that if links are sent to people once a year to check if the info is still relevant, it should be efficient to keep it updated. Now, a lot of the info was found to be irrelevant (new websites addresses, new research areas and no info regarding teaching topics). All the info has been translated to French.

If the Council choose to change the database, at least the info will have been updated at the national level and could be used as a basis for this work.

Respectfully submitted.

Sylvie Marleau, Ph.D  
Université de Montréal



**AFPC Education Committee Report**  
**AFPC Annual General Meeting**  
**River Rock Casino Resort**  
**Vancouver, BC**  
**Thursday, June 3, 2010**

**Members:** Nese Yuksel (chair), Nancy Waite, Ingrid Price, Silvia Alessi-Severini, Sylvie Marleau

**Activities:**

Two teleconferences were held during the year (November 27, 2009 and May 11, 2010) to discuss the following topics: AFPC annual meeting in Vancouver, 2010, AFPC Educational Outcomes, future annual meetings, teaching database and future activities for the education committee.

**Summary of discussions:**

**3. Canadian Pharmacy Education and Research Conference (CPERC), Vancouver, 2010 Location: *River Rock Casino Resort, June 2 – 5, 2010***

The 2010 annual meeting in Vancouver will be the launch of the new name: Canadian Pharmacy Education and Research Conference (CPERC). The 2010 theme will be “Bringing the Blueprint to Life”. Simon Albon is the current chair. This year’s CPERC will be held jointly with the Canadian Society of Pharmaceutical Sciences (CSPS). Some exciting initiatives for this year’s conference include:

- Several workshops and breakout sessions on “Bringing the Blueprint to Life in Pharmacy Education” and “Blueprint Pedagogies”
- Joint session with CPTEA and PEPC “Supporting Intra-professional Education and Experiential Learning”
- Return of the pharmacy practice research symposium: “Shaping Practice Through Research”

The Education Committee would like to congratulate Simon Albon and the host committee for planning such an excellent program.

**4. AFPC Education Outcomes update:**

The Education Outcomes final draft will be considered at the AFPC annual council meeting for final approval on June 2<sup>nd</sup>, and then will be presented for approval at the Annual General Meeting on June 3<sup>rd</sup>. Final request for feedback of this draft has been circulated to all faculties. The first draft of the Levels and Ranges document has been completed and will be reviewed by council at the annual meeting. The council will also discuss next steps with the levels and ranges document.

The Education Committee would like to thank Nancy Winslade and the Education Outcomes Task Group members (Nancy Waite, Terri Schindel, Tom Brown, Claude Mailhot) for all of their exceptional work on this document this past year.

**5. Future annual meetings:**

**Canadian Pharmacy Education and Research Conference (CPERC) 2011**

Winnipeg will be the host of the 2011 Canadian Pharmacy Education and Research Conference. The dates of the conference have been confirmed for Sunday, June 5 to Tuesday June 7, 2011. Sylvia Alessi-Severini will be the chair of this meeting, and is in the process of booking an appropriate venue.

Several themes for the conference were discussed. It was decided that the proposed theme should reflect curriculum reform. The suggested theme is “The Dynamic Nature of Curriculum”. This theme will be discussed at the next AFPC council meeting.

**Suggestions for future CPERC:**

The education committee has the following suggestions for future meetings:

1. More opportunities to network among participants.
2. Consideration of only one awards banquet (and increased time for networking with the opening reception).

**4. Teaching Database:**

The teaching database is being updated. Sylvie Marleau has been compiling the revised teaching database (which is being completed at the same time as the research database to reduce the duplication in work) and has started approaching various faculties for their data. At this time University of Montreal, Dalhousie and part of Manitoba’s faculties have been completed, with University of Alberta to be the next focus.

The Education Committee would like to thank Sylvie for her commitment and work with this initiative.

**5. Future Activities for the Education Committee:**

Blueprint prioritization was identified as a future consideration for the Education Committee. It is hoped that CPERC Vancouver 2010 will help in planning/prioritizing activities flowing from the Blueprint.

Respectfully submitted:

Nese Yuksel  
Chair, Education Committee

**Educational Outcomes**  
**for**  
**First Professional Degree Programs in Pharmacy**  
**(Entry-to-Practice Pharmacy Programs)**  
**in**  
**Canada**

*Association of Faculties of Pharmacy of Canada*  
*Educational Outcomes Task Force*

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May 2010

## INTRODUCTION

The following *Educational Outcomes for First Professional Degree Programs in Pharmacy\* in Canada* have been developed by the Association of Faculties of Pharmacy of Canada's (AFPC) Task Force on Educational Outcomes. The development of these draft educational outcomes began in late 2008 when AFPC identified the need to:

- update the *Educational Outcomes for a Baccalaureate Pharmacy Graduate in Canada* (1998)(1),
- review and align the *Educational Outcomes for Entry-Level Pharm.D. (ELPD) Graduates in Canada* (2007)(2) with the updated baccalaureate educational outcomes, and
- create the levels of expected performance for the ELPD Educational Outcomes.

The Task Force was struck and began their work in early 2009, focussing on the first two objectives of updating and aligning the educational outcomes for graduates of the two programs. Feedback on draft documents was sought from *AFPC Council* (with representation from all Faculties of Pharmacy across Canada) and *The Association of Deans of Pharmacy of Canada (ADPC)* in the fall of 2009 and the winter of 2010, and from pharmacy stakeholders in February 2010 (see Appendix 1). This document represents the Task Force's final recommendations for the revised educational outcomes for First Professional Degree Programs in Pharmacy (FPDPP) in Canada.

As a supporting document for these educational outcomes, the Task Force has drafted levels of performance expected of graduates for each of the main educational outcomes. Key to these levels is the description of clinical judgement, proficiency and confidence required of pharmacy graduates so they can take responsibility for decisions and recommendations in their daily practice.

Finally, the Task Force acknowledges that a number of factors are critical for graduates to achieve the defined educational outcomes, including appropriate admission requirements, educational / instructional methods and assessment processes. Detailing of these factors was beyond the mandate of the Task Force.

## RATIONALE

In reviewing the educational outcomes required of the two FPDPP in Canada, the Task Force considered a number of issues. These are presented to provide understanding of the revisions recommended to the educational outcomes.

### **1. Establishing one set of educational outcomes for FPDPP**

Early in the review process the Task Force explicitly addressed the question as to whether there are, or should be, differences between the educational outcomes required of graduates from the baccalaureate and ELPD programs. The Task Force acknowledged that the specific curriculum and ensuing degree awarded to pharmacy graduates at different universities is primarily a provincial decision that is influenced by many factors. It was also noted that there needs to be a strong alignment between competencies and educational outcomes defined for a profession, and it was recognized that there is only one set of competencies required for Canadian pharmacists at entry-to-practice and one set of Model Standards of Practice (3,4). The Task

\* See glossary for definition of first professional degree programs relative to entry-level or entry-to-practice programs.

Force requested guidance from AFPC Council regarding whether they should consider if the university program completed was a baccalaureate or ELPD program and, following discussion, Council determined that one single set of educational outcomes should be defined. Feedback from the ADPC confirmed this for the Task Force. The Task Force, therefore, defined one set of educational outcomes and focused on ensuring that these educational outcomes met society's needs for pharmaceutical care and services, and were clear, current, transparent, evidence-based and supportive of key developments in health professions education in Canada and abroad.

## **2. Maintaining or changing the existing format and terminology**

The Task Force also reviewed the format followed in the 1998 educational outcomes document. It was clarified that this format was based on the then current literature describing the development of competency-based standards of practice (5, 6). In review of this format, it remains consistent with that currently used by pharmacy organizations across Canada as well as with similar work by other professions (7, 8). In particular, the CanMeds model for medicine defines the central role of physicians as medical experts when providing patient care, and six additional, more general ability-based roles that are required to fulfill the central role (7)<sup>†</sup>. This CanMeds format has been widely referenced and is being used by a number of professions (9) and national organizations (10, 11). The Task Force recognized that adoption of a common format and language across the professions would support collaboration and inter-professional care (12). Therefore, the Task Force reviewed the CanMeds model carefully to determine if it would be possible to adopt a similar format and terminology. This review indicated that the primary difference between the CanMeds and AFPC models is that AFPC has placed explicit emphasis on roles of pharmacists beyond individual patient care. This approach acknowledges the pharmacist's responsibility for the provision of drug information, the quality of medication supply, the promotion of population health, etc. Therefore, AFPC does not propose a single, central role of medication therapy expert but instead places emphasis on the multiple roles that graduates fulfill as medication therapy experts. Recognition of roles beyond patient care is consistent with the defining of educational outcomes relative to competencies, and is supported by the recent *Association of Faculties of Medicine* document entitled "The Future of Medical Education in Canada: A Collective Vision for MD Education" (13). The Task Force, therefore, recommends that the AFPC Educational Outcomes use format and terminology from the CanMeds model, supplemented by standardized pharmacy-specific terminology from Cipolle et al's "Pharmaceutical Care Practice: The Clinician's Guide" (14).

Based on these recommendations, the revised educational outcomes are formatted with a goal of graduating **Medication Therapy Experts**, which requires graduates to integrate the seven educational outcomes defined for FPDPP in Canada. Emphasis is placed on the multiple roles of graduates through explicit statements within the appropriate educational outcomes. For example, research, education and drug information are embedded in the scholar educational outcome, and triage is embedded in the care provider educational outcome. The Task Force believes that this format allows the use of a common terminology across the professions while maintaining appropriate emphasis on the multiple roles fulfilled by pharmacy graduates. It is recognized that this format is a departure from previous educational outcomes documents in that there is no separation of professional educational outcomes from the general attributes that underlie fulfillment of the professional roles and which characterize a university graduate. Instead these underlying general attributes are integrated with the roles in the seven educational outcomes.

<sup>†</sup> CanMeds focuses on defining competencies, but is clear that these competencies are meant to also be used by educators to guide curricular reform.

### 3. Emphasizing patient care

During the process of aligning the format and terminology of the educational outcomes, the Task Force considered how emphasis could be placed on pharmacist's patient care responsibilities in various practice environments and contexts, including those patient care services that are an integral component of dispensing of medications. The Task Force looked

to existing Canadian documents for reference, including the *Blueprint for Pharmacy (15)*, the *Professional Competencies (3)* and the *Model Standards of Practice (4)*. The latter differentiate between **distributing** medications and **dispensing** medications, using Alberta's definition of dispensing which includes a professional responsibility for patient assessment and medication evaluation. This differs from medication distribution, which focuses on ensuring the safety and quality of medications supplied to patients, but does not include the professional aspects of patient assessment or medication evaluation. Using these definitions, the *Model Standards of Practice* then categorizes the patient care responsibilities of pharmacists into two sections: patient care provided as an integral component of dispensing of medications and patient care provided independently from dispensing as part of medication therapy management services. For the former, the standards list the pharmacist's patient care responsibilities that require the patient access, relationship and information that are available uniquely to / with pharmacists during the process of medication distribution. For example, linked to the process of distribution of refills of medications, pharmacists have a unique opportunity and professional responsibility as part of dispensing to assess adherence and to evaluate the effectiveness of chronic disease state management.

The Task force found the argument compelling that dispensing and distribution, while linked, are two distinct roles and that dispensing is not a solely technical function. Use of such a differentiation in these terms allowed emphasis to be placed on the pharmacist's responsibility during dispensing to provide the care required to ensure appropriate, effective, safe and adherent use of medications. The Task force has, therefore, developed educational outcomes stating that patient care is provided in various contexts either as an integral component of dispensing or as part of medication therapy management services that are provided independently from dispensing. The Task Force placed the responsibility for the distribution of medications in the management educational outcome, with explicit reference to the pharmacist's responsibility for managing pharmacy technicians who are fulfilling the distribution function.

The Task Force recognizes that the emphasis on patient care during dispensing may represent a change for some Faculties. One of the Task Force's goals is to encourage educators to consider integrating the teaching of dispensing with that of providing pharmaceutical care. Via such efforts, it is hoped that new practice models could be developed that are feasible and enable pharmacists to focus on the patient care aspects of dispensing in an economically viable and sustainable manner.

### 4, Foundational Sciences

The Task Force emphasizes that pharmacy graduates require a strong foundation in the biomedical, pharmaceutical, behavioural, social, and administrative pharmacy sciences in order to achieve the required educational outcomes. A number of stakeholders commented that clear articulation of the foundational knowledge required of graduates would be useful in developing both curricula and assessments, and as supportive evidence of pharmacist's competence to fulfill an expanded scope of practice. The Task Force acknowledges the necessity of defining this foundational knowledge and encourages AFPC to consider the potential need to development more detailed educational outcomes as was completed by the American Association of Colleges of Pharmacy (16) and to review the scientific foundation competencies

identified by the American Association of Medical Colleges (17). It is proposed that the latter competencies could be adapted to define the foundational knowledge required of graduates from FPDPP in Canada. Such supporting documents would, in particular, be welcomed by the provincial regulatory authorities for pharmacy.

## Medication Therapy Experts

The goal of First Professional Degree Programs in Pharmacy (FPDPP) in Canada is to graduate Medication Therapy Experts. This requires graduates to integrate knowledge, skills and attitudes from all seven educational outcomes. Via this integration, graduates are educated to meet the competencies required of Canadian pharmacists as described by the profession (3). These competencies include roles relating to care and services for individual patients as well as roles emphasizing the responsibilities of pharmacists to populations of patients, to their communities and to the profession itself. In addition, graduates who are **Medication Therapy Experts** are educated to fulfill roles beyond those required of pharmacists, acknowledging that the goal of university education extends beyond solely preparing graduates to enter into pharmacy practice.

### Educational Outcomes<sup>†</sup>

**Care Provider:** Pharmacy graduates use their knowledge, skills and professional judgement to provide pharmaceutical care and to facilitate management of patient's medication and overall health needs.

**Communicator:** Pharmacy graduates communicate with diverse audiences, using a variety of strategies that take into account the situation, intended outcomes of the communication and the target audience.

**Collaborator:** Pharmacy graduates work collaboratively with teams to provide effective, quality health care and to fulfill their professional obligations to the community and society at large.

**Manager:** Pharmacy graduates use management skills in their daily practice to optimize the care of patients, to ensure the safe and effective distribution of medications, and to make efficient use of health resources.

**Advocate:** Pharmacy graduates use their expertise and influence to advance the health and well-being of individual patients<sup>§</sup>, communities, and populations, and to support pharmacist's professional roles.

**Scholar:** Pharmacy graduates have and can apply the core knowledge and skills required to be a medication therapy expert, and are able to master, generate, interpret and disseminate pharmaceutical and pharmacy practice knowledge.

**Professional:** Pharmacy graduates honour their roles as self-regulated professionals through both individual patient care and fulfillment of their professional obligations to the profession, the community and society at large.

<sup>†</sup> The educational outcomes are presented in an order that matches that utilized by CanMeds.

<sup>§</sup> See glossary for definition of patients.



## Educational Outcomes

### Care Provider

As **Care Providers** pharmacy graduates use their knowledge, skills and professional judgement to provide pharmaceutical care and to facilitate management of patient's medication and overall health needs.

Graduates from FPDPP in Canada fulfill this educational outcome in all sites where licensed pharmacists provide patient care either as an integral component of the dispensing of medications, or as a professional service provided independently from the dispensing of medications.

This means that graduates:

- i. **possess** the core knowledge, skills and attitudes required of pharmacists to:
  - manage the medication therapy of patients who require the pharmacist's participation in their care;
  - manage the medication therapy of patients who are willing and able to accept the responsibilities required by this care;
  - manage the medication therapy of patients with common medication-therapy problems and patients who require urgent care<sup>\*\*</sup>;
  - provide basic first aid and CPR;
  - administer injections in accordance with laws and regulations;
  - provide care in accordance with accepted frameworks that expand the pharmacist's scope of practice (e.g. medical directives);
  - recommend appropriate sources of support<sup>††</sup> for patients experiencing common difficulties in daily living<sup>‡‡</sup>;
  - advise patients on common, current health promotion programs, and;
- ii. **are able to acquire** the knowledge and skills required to manage patients with uncommon or highly complex medication-related needs, or;
- iii. are able to appropriately refer patients for the management of medication therapy needs that fall beyond their individual scope of practice, and:
- iv. are able to appropriately triage patients to other primary care providers for needs that fall outside the scope of practice of pharmacists.

\*\* Urgent medication therapy needs are those that require urgent care by the pharmacist or urgent referral to primary care providers (e.g. via ambulance or referral to ER).

†† Graduates are **not** expected to possess knowledge of specific community resources: they must only know that such services / resources may exist and be able to direct the patient regarding who to contact.

‡‡ Difficulties with, for example, transportation, activities of daily living, emotional, spiritual needs.

**As Care Providers, pharmacy graduates: (14)**

<b>A. Assess patients</b>
<p><i>1.1 Develop and maintain professional, collaborative relationships required for patient care.</i></p> <ul style="list-style-type: none"><li>1.1.1 establish and maintain a professional, caring practice environment;</li><li>1.1.2 demonstrate that the patient's goals are the priority;</li><li>1.1.3 determine when it is ethically and professionally appropriate to involve caregivers;</li><li>1.1.4 acknowledge and respect the roles and responsibilities of the pharmacist, the patient and/or caregivers, and the patient's other health care professionals (10).</li></ul>
<p><i>1.2 Elicit and complete an assessment of required information to determine the patient's medication-related and other relevant health needs.</i></p> <ul style="list-style-type: none"><li>1.2.1 elicit the reason(s) for the patient's visit to the pharmacy or encounter with the pharmacist;</li><li>1.2.2 obtain and evaluate relevant history from the patient, his/her chart, caregivers and other health care professionals;</li><li>1.2.3 order, retrieve and assess relevant lab tests and diagnostic assessments;</li><li>1.2.4 perform and interpret findings of relevant physical assessments that are required to determine appropriate medication therapy, and;</li><li>1.2.5 complete an assessment of the patient's ability to take / use / administer his/her medications.</li></ul>
<p><i>1.3 Assess if a patient's medication-related needs are being met.</i></p> <ul style="list-style-type: none"><li>1.3.1 evaluate the safety and effectiveness of a patient's medications with consideration of the patient's values and preferences, characteristics, conditions, functional capabilities, other medications and access to health care / monitoring;</li><li>1.3.2 determine whether a patient is appropriately managing his/her therapy, including appropriate administration and adherence in particular for chronic disease management;</li><li>1.3.3 determine whether a patient's medications are achieving the desired goals including consideration of efficacy and adverse effects;</li><li>1.3.4 determine whether a patient requires medication assessment and reconciliation;</li><li>1.3.5 where appropriate, identify a patient's medication-related needs as specific medication-therapy problems, and;</li><li>1.3.6 determine if a patient requires additional care or services consistent with established collaborative practice agreements (see glossary).</li></ul>
<p><i>1.4 Determine if a patient has relevant, priority health and wellness needs.</i></p> <ul style="list-style-type: none"><li>1.4.1 recognize signs, symptoms and risk factors that relate to medical or health problems that fall into the scope of practice of other health care professionals.<sup>§§</sup>;</li><li>1.4.2 recognize signs and symptoms associated with medical emergencies;</li><li>1.4.3 recognize problems with activities of daily living important to the patient's well-being, and;</li><li>1.4.4 identify opportunities for advocacy, health promotion and disease prevention with individuals to whom they provide care.</li></ul>
<b>B. Plan Care</b>
<p><i>1.5 Refer patients for management of priority health and wellness needs that fall beyond the scope of practice of pharmacists</i></p>
<p><i>1.6 Develop a care plan that addresses a patient's medication-therapy problems and priority health and wellness needs.</i></p> <ul style="list-style-type: none"><li>1.6.1 prioritize a patient's medication-related needs;</li><li>1.6.2 establish goals of medication therapy with the patient (desired endpoints, target values and timeframes for medication therapies);</li></ul>

<sup>§§</sup> Including, for example, signs and symptoms of diabetes mellitus, hypertension, arthritis, stroke, cardiac disease.

1.6.3	assess alternative strategies and negotiate the therapeutic option best suited to the patient;
1.6.4	integrate the recommended therapeutic options for a patient's medication-related needs into a co-ordinated plan;
1.6.5	determine monitoring parameters for desired therapeutic endpoints and potential adverse effect, specifying target values and start, frequency and end time-points for monitoring;
1.6.6	decide specific actions to be taken by the pharmacist as necessary for management of medication-related needs, specifically determining whether it is appropriate to: <ul style="list-style-type: none"> <li>• dispense a medication according to a new prescription;</li> <li>• dispense an authorized refill of a medication;</li> <li>• authorize an extension of refills of a medication;</li> <li>• modify a patient's medications;</li> <li>• recommend changes in medications;</li> <li>• prescribe medications or therapies;</li> <li>• administer a medication, and/or;</li> <li>• refer the patient to other health care professionals for assessment and management;</li> </ul>
1.6.7	determine if a patient requires information or other support to facilitate his/her management of needs related to activities of daily living, health promotion or well-being, and:
1.6.8	negotiate the responsibilities of the pharmacist and patient, and when other health care professionals should be contacted.
<b>1.7 Implement the care plan.</b>	
1.7.1	undertake specific actions as specified in the care plan (e.g. prescribing, ordering lab tests);
1.7.2	educate the patient regarding the care plan to facilitate understanding and adherence;
1.7.3	facilitate continuity of care through referral and communication with relevant care providers;
1.7.4	convey information on maintaining and promoting health;
1.7.5	convey information about available social support services to assist with daily living, and;
1.7.6	schedule required follow-up in accordance with a patient care plan.
<b>C. Follow-up and Evaluate</b>	
<b>1.8 Elicit clinical and / or lab evidence of patient outcomes.</b>	
1.8.1	determine the clinical status of the patient, including completing physical assessments required for monitoring of medication therapy;
1.8.2	evaluate the efficacy of the care plan relative to the desired goals;
1.8.3	evaluate the safety of the care plan including the presence of adverse drug reactions or effects;
1.8.4	identify any medication errors or close calls (see glossary)(10), and:
1.8.5	determine changes in pharmacotherapy that are required.
<b>1.9 Assess and manage patients' new medication-related needs</b> .	

\*\*\* Go back to assessing patients section.

<b>D. Document</b>
1.10 <i>Support the continuity of patient care by documenting their patient care activities</i>
1.10.1 document in a timely, retrievable, usable manner
1.10.2 fulfill professional responsibilities for documentation
1.10.3 report and document the reporting of adverse events and close calls (10).

## Communicator

As **Communicators** pharmacy graduates communicate with diverse audiences, using a variety of strategies that take into account the situation, intended outcomes of the communication and the target audience.

Graduates from FPDPP in Canada communicate effectively with patients to whom they are providing care, including those presenting communication challenges, and with peers and other health care professionals in both individual and group settings.

As **Communicators**, pharmacy graduates:

### 2.1. *Communicate non-verbally and verbally with others.*

- 2.1.1. use active listening skills and respond appropriately;
- 2.1.2. exhibit empathy, tact and respect in their dealings with others;
- 2.1.3. demonstrate sensitivity, respect and empathy in intercultural and inter-professional situations;
- 2.1.4. when speaking, use organized processes and appropriate, precise expressions and vocabulary;
- 2.1.5. tailor the content of their communication to specific contexts and audiences, and;
- 2.1.6. adapt their communication techniques to facilitate efficient and effective clinical encounters.

### 2.2. *Communicate in writing.*

- 2.2.1. write clearly, using organized processes and appropriate vocabulary;
- 2.2.2. correctly apply the rules of syntax, grammar and punctuation, and;
- 2.2.3. adapt the content of their arguments to specific contexts and target audiences.

### 2.3. *Present information.*

- 2.3.1. appear comfortable, engage the audience, use appropriate tone and pace, and use nonverbal language appropriately;
- 2.3.2. are organized and can set and adhere to appropriate time limits, and;
- 2.3.3. respond to and manage interaction with the audience.

### 2.4. *Use communication technology.*

- 2.4.1. demonstrate sufficient understanding of information systems to integrate computer and related technology into effective communication, and;
- 2.4.2. use effective communication skills regardless of the media employed, including effective use of visual and educational aids.

## Collaborator

As **Collaborators** pharmacy graduates work collaboratively with teams to provide effective, quality health care and to fulfill their professional obligations to the community and society at large.

Graduates from FPDPP in Canada collaborate effectively with:

- the patient and the full range of health care professionals on the patient care team;
- co-workers, and;
- professional groups / associations.

As **Collaborators**, pharmacy graduates (10, 12):

*3.1. Function as members of teams.*

- 3.1.1 accept leadership roles where appropriate;
- 3.1.2 actively make their expertise available to others and willingly agree to share relevant information, using language that can be understood by all;
- 3.1.3 clarify roles, responsibilities and expertise of team members, identifying overlaps and gaps;
- 3.1.4 recognize and respect the roles, responsibilities and competence of other professionals;
- 3.1.5 make their points of view known, listen to and respect the opinions of others, defend points of view if necessary;
- 3.1.6 contribute to planning, organizing and performing of work to be done, and integrating evidence while evaluating the results;
- 3.1.7 respect the rules established by the group;
- 3.1.8 help maintain a healthy work environment and assist with conflict management, and;
- 3.1.9 support continued efforts of the group by providing positive feedback, including evidence of progress and impact.

*3.2 Support team-based care in a community setting with geographically distinct centres of care.*

- 3.2.1 develop and maintain collaborative relationships with a network of local health care professionals and care providers;
- 3.2.2 clarify pharmacist's roles and responsibilities that are acceptable / appropriate;
- 3.2.3 fulfill commitments for provision and follow-up of care;
- 3.2.4 adapt their roles in teams and networks of care to the circumstances and requirements, and;
- 3.2.5 participate in local health initiatives as requested and appropriate.

*3.3 Work collaboratively with the patient and his/her health care professionals to provide care and services that facilitate management of the patient's health needs.*

- 3.3.1 negotiate the care and services that the pharmacist and other members of the health care team will provide as consistent with laws / regulations relevant to collaborative care;
- 3.3.2 ensure attainment and maintenance of training / certification / credentials required to provide collaborative care or to fulfill medical directives / delegation;
- 3.3.3 ensure legality of collaborative practice agreements / medical directives / delegation agreements;
- 3.3.4 plan the provision of care in a coordinated fashion;
- 3.3.5 provide agreed upon care and services;
- 3.3.6 document the provision of care and services, and;
- 3.3.7 communicate and review the care / services provided and patient status / outcome.

## Manager

As **Managers** pharmacy graduates use management skills in their daily practice to optimize the care of patients, to ensure the safe and effective distribution of medications, and to make efficient use of health resources.

Graduates from FPDPP in Canada manage their individual practice and staff for whom they are directly responsible to ensure that their patients are provided the care, services and medications required to meet their medication therapy needs. They support sustainable practices that address patient needs and changing professional roles<sup>†††</sup>.

As **Managers**, pharmacy graduates:

### 4.1 *Manage their personal practice.*

- 4.1.1 set priorities and manage their time to balance patient care, workflow and practice requirements, and;
- 4.1.2 adapt their practice to fulfill evolving professional roles.

### 4.2 *Manage the safe and efficient distribution of medications.*

- 4.2.1 utilize inventory control concepts to maintain an inventory control system;
- 4.2.2 manage the distribution<sup>†††</sup> of medication in a variety of settings,
- 4.2.3 evaluate the factors critical to safe and efficient medication distribution systems including pharmacy layout / design, workflow, technology and automation (10) and;
- 4.2.4 anticipate, recognize and manage human, environmental and medication distribution situations that place patients at risk (10).

### 4.3 *Participate in quality assurance and improvement programs.*

- 4.3.1 evaluate the quality of care and cost effectiveness of services they provide;
- 4.3.2 disclose, manage and report adverse drug events (10);
- 4.3.3 disclose, manage and report errors, incidents and unsafe practices (10);
- 4.3.4 participate in formal planning for practice change and implementation of services to meet patient's needs and/or improve the quality of care provided, and:
- 4.3.5 adapt to change, providing new or emerging services as consistent with management's practice change plans.

### 4.4 *Manage the staff under their direct supervision.*

- 4.4.1 supervise members of the pharmacy team, including pharmacy technicians, to ensure competent performance of functions;
- 4.4.2 ensure that pharmacy technicians and staff are delegated and undertake functions appropriate to their training and legislation;
- 4.4.3 manage workload to prioritize provision of professional services;
- 4.4.4 function as a role model for professional and support staff, and:
- 4.4.5 participate in staff selection, training, development and evaluation.

### 4.5 *Manage to maintain the sustainability of the practice.*

- 4.5.1 understand the impact of funding and payment policies on the provision of professional services;
- 4.5.2 create a business plan for the provision of professional services;

<sup>†††</sup> For clarity, it is emphasized that the graduates are **not** expected to be able to be managers of a pharmacy upon completion of the FPDPP.

<sup>†††</sup> See glossary

- 4.5.3 participate in strategic planning for their practice site;
- 4.5.4 understand marketing principles in the context of supply and demand for professional services, and;
- 4.5.5 incorporate the use of technology.



## Advocate

As **Advocates** pharmacy graduates use their expertise and influence to advance the health and well-being of individual patients, communities, and populations, and to support pharmacist's professional roles.

Graduates from FPDPP in Canada advocate on behalf of individual patients, local patient groups and the profession of pharmacy, at an individual, organizational / institutional, and government level.

As **Advocates**, pharmacy graduates:

5.1 *Interpret the advocacy role of pharmacists / profession of pharmacy.*

- 5.1.1 describe the ethical and professional issues inherent in health advocacy, including altruism, social justice, autonomy, integrity and idealism;
- 5.1.2 explain the role of the profession in advocating collectively for health and patient safety, and:
- 5.1.3 describe how policy and procedures impact on the health of the populations served.

5.2 *Promote the health of individual patients, communities, and populations*

- 5.2.1 facilitate patient's interaction with the health care system through advice, education and/or guidance;
- 5.2.2 support patient's access to required health services by representing or speaking on behalf of patients ;
- 5.2.3 represent patient's interests through participation in policy and procedure development within health systems;
- 5.2.4 participate in health promotion activities, public health campaigns and patient safety initiatives that are directed at disease prevention, risk factor reduction and/or harm minimization<sup>§§§</sup>;
- 5.2.5 undertake relevant public health screening processes for early disease detection, and;
- 5.2.6 plan and implement public health promotion education and awareness raising campaigns with other health professionals.

5.3 *Support the role of pharmacists in evolving health care systems.*

- 5.3.1 promote the impact of the pharmacist on patient outcomes;
- 5.3.2 promote the role of pharmacists in the development and implementation of health procedures and policies, and:
- 5.3.3 accept a leadership role to support the vision for advancement of the profession of pharmacy.

<sup>§§§</sup> Adapted, with permission, from the draft Primary Health Care Pharmacist Competencies, ADAPTS (Access to quality Drug therapy- Applying Pharmacists' knowledge to The primary care System, personal communications Natalie Kennie, March 2010.

## Scholar

As **Scholars** pharmacy graduates have and can apply the core knowledge and skills required to be a medication therapy expert, and are able to master, generate, interpret and disseminate pharmaceutical and pharmacy practice knowledge.

Graduates from FPDPP in Canada use their knowledge and skills:

- for clinical reasoning and decision-making required during daily pharmacy practice;
- to provide drug information and recommendations to inform practices and health policy at an individual and organizational / institutional level;
- to educate the following regarding medications and appropriate medication use, including the pharmacist's role:
  - individual and groups of patients, peers, pharmacy and allied health care professional students, interns and residents, allied other health care professionals;
  - individual medical specialists and;
- to initiate or collaborate on projects related to problems identified during daily pharmacy practice including projects related to drug utilization and continuous quality improvement.

As **Scholars**, pharmacy graduates:

*6.1 Demonstrate a thorough understanding of the fundamental knowledge required of pharmacists and apply this knowledge in daily practice.*

- 6.1.1 rationalize their recommendations and decisions with appropriate, accurate explanations and best evidence;
- 6.1.2 rely on professional experience to develop solutions to routine, previously encountered problems;
- 6.1.3 utilize established decision-making frameworks when faced with new situations to identify, analyze and develop solutions to problems, and;
- 6.1.4 undertake and apply learning required to manage new problems.

*6.2 Provide drug information and recommendations.*

- 6.2.1 identify needs for information, recommendations and decisions on medications;
- 6.2.2 conduct a systematic search for evidence using a variety of search methods and tools;
- 6.2.3 critically analyze information including primary research articles;
- 6.2.4 determine plausible solutions and select the most appropriate recommendation;
- 6.2.5 communicate information / recommendations;
- 6.2.6 evaluate the usefulness of the information provided, and;
- 6.2.7 document the information provided.

*6.3 Educate regarding medications and appropriate medication use, including the pharmacist's role.*

- 6.3.1 identify learning needs of the audience;
- 6.3.2 select educational techniques appropriate for the learners;
- 6.3.3 select and organize content;
- 6.3.4 implement their educational plans, and;
- 6.3.5 assess the outcomes of their education.

*6.4 Apply principles of scientific inquiry and critical thinking while participating in practice-based research.*

- 6.4.1 understand the need for the generation and discovery of new information as it pertains to the continuous development of the profession, innovations in practice and optimization of pharmacotherapy;
- 6.4.2 recognize relevant practice or medication use problems;
- 6.4.3 define the parameters of relevant problems;
- 6.4.4 retrieve and assess reports/literature relevant to identified problems;
- 6.4.5 formulate research questions/hypotheses;
- 6.4.6 design practice-based research projects to address research questions, and:
- 6.4.7 contribute to the development of new knowledge by participating in practice-based research projects.

## Professional (18, 19)

As **Professionals** pharmacy graduates honour their roles as self-regulated professionals through both individual patient care and fulfillment of their professional obligations to the profession, the community and society at large.

Graduates from FPDPP in Canada conduct themselves professionally in all situations where they are reasonably perceived to be a representative of the profession of pharmacy.

As **Professionals**, pharmacy graduates:

*7.1 Demonstrate professionalism throughout patient encounters.*

- 7.1.1 show respect for patients by acknowledging the patient as a person, listening actively and considering their needs and expectations;
- 7.1.2 accept responsibility for recognizing and meeting patients' medication therapy needs;
- 7.1.3 maintain patient confidentiality, and:
- 7.1.4 maintain appropriate boundaries with patients.

*7.2 Practice in an ethical manner which assures primary accountability to the patient.*

- 7.2.1 involve the patient in decision-making, respecting their right to make their own choices;
- 7.2.2 fulfill requirements for obtaining patient consent;
- 7.2.3 integrate patient preferences related to culture, beliefs and practices;
- 7.2.4 use ethical frameworks as one component of professional judgement;
- 7.2.5 prioritize patient needs, accepting inconvenience and subordinating their personal interests to those of their patients;
- 7.2.6 ensure the continuity of patient care, abiding by the principle of nonabandonment, and:
- 7.2.7 recognize and manage situations presenting ethical dilemmas including conflicts of interest.

*7.3 Maintain their competence to practice through life long learning.*

- 7.3.1 adhere to regulatory requirements for maintenance of competence as consistent with the self-regulating status of a health professional;
- 7.3.2 evaluate their practice to identify areas for continuing professional development;
- 7.3.3 acknowledge and reflect on errors, omissions and close calls to identify limitations in competence / performance;
- 7.3.4 seek and accept feedback to identify limitations or strengths in competence / performance;
- 7.3.5 recognize their limits of competence and seek assistance;
- 7.3.6 plan and undertake learning activities to support maintenance of competence and professional development;
- 7.3.7 incorporate learning into their practice;
- 7.3.8 assess the impact of learning on competence and practice performance, and:
- 7.3.9 document their maintenance of competence.

*7.4 Practice in manner demonstrating professional accountability.*

- 7.4.1 comply with the legal and regulatory requirements of practice;
- 7.4.2 respect and fulfill professional standards of practice;
- 7.4.3 be accessible to patients and other health care professionals;
- 7.4.4 fulfill their professional tasks and commitments to patients in a diligent, timely, reliable, respectful manner;
- 7.4.5 accept responsibility for their decisions and recommendations with patients and colleagues;
- 7.4.6 use health care resources appropriately, including human and financial resources;
- 7.4.7 maintain a professional image, using appropriate language and demeanour;
- 7.4.8 maintain their professional composure even in difficult situations, and:
- 7.4.9 maintain appropriate professional boundaries.

*7.5 Display a sense of pride in and commitment to the profession and its evolving role in the health care system.*

- 7.5.1 participate in peer review and quality assurance processes;
- 7.5.2 participate in education of future pharmacists by making practice-based learning opportunities available as a mentor / preceptor;
- 7.5.3 adapt their practice to provide all professional services required according to pharmacist's scope of practice;
- 7.5.4 support the professional organizations in their efforts to advance the professional role of pharmacists, and:
- 7.5.5 contribute to the planning for implementation of change including strategies to identify and overcome barriers, and to capitalize on facilitators.

## Glossary

### **Close call (10)**

An event with the potential for harm that did not result in harm because it did not reach the patient due to timely intervention or good fortune (sometimes called a near miss). The term “good catch” is a common colloquialism to indicate the just-in-time detection of a potential adverse event.

### **Collaborative Agreements**

Collaborative practice agreements will include, for the purpose of this document, medical directives, delegation agreements and other forms of formal agreements defining expanded pharmacists’ care and services.

### **Dispensing**

Dispensing means the safe and effective provision of medications to patients, and incorporates the professional responsibilities of evaluating patients and their medications, and technical responsibilities for the safe distribution of medications.

### **Distribution**

Distribution means, with respect to a medication, the safe transfer of a medication from the manufacturer to the patient in a manner that preserves both the integrity of the medication and the safety of the patient (20). Distribution does **not** include the professional aspect of evaluation of a patient or medication therapy. It does include aspects such as interpretation of medication prescriptions; performance of pharmaceutical calculations; selection of ingredients; storage and handling conditions; management of stability issues, and: acquisition and disposal of pharmaceuticals (1).

### **First Professional Degree Program in Pharmacy (21)**

Based on the work of the Canadian Council for Accreditation of Pharmacy Programs, first professional degree programs in pharmacy are programs that do not require entering students to have a prior degree in pharmacy. These programs are often referred to as entry-level, or entry-to-practice programs.

### **Medication Therapies**

Includes non-prescription medications, natural health products, and devices and supports for use with medications.

### **Medication Therapy Management Services (22)**

Medication Therapy Management is a distinct service or group of services that optimize therapeutic outcomes for individual patients. Medication Therapy Management Services are independent of, but can occur in conjunction with, the provision of a medication product. Medication Therapy Management encompasses a broad range of professional activities and responsibilities within the licensed pharmacist’s, or other qualified health care professional’s, scope of practice. These services include, but are not limited to, the following, according to the individual needs of the patient:

1. Performing or obtaining necessary assessments of the patient’s health status;
2. Formulating a medication treatment plan;
3. Selecting, initiating, modifying, or administering medication therapy;
4. Monitoring and evaluating the patient’s response to therapy, including safety and effectiveness;

5. Performing a comprehensive medication review to identify, resolve, and prevent medication-related problems, including adverse drug events;
6. Documenting the care delivered and communicating essential information to the patient's other primary care providers;
7. Providing verbal education and training designed to enhance patient understanding and appropriate use of his/her medications;
8. Providing information, support services and resources designed to enhance patient adherence with his/her therapeutic regimens;
9. Coordinating and integrating medication therapy management services within the broader health care-management services being provided to the patient.

**Patients**

Includes patients, their families and caregivers.

**Primary Care**

Primary Health Care has been defined as the first level of contact with the health system to promote health, prevent illness, care for common illnesses, and manage ongoing health problems (23).

## **Appendix 1: Stakeholder Reviewers**

The Task Force acknowledges the feedback received from both individual Faculties of Pharmacy and pharmacy stakeholders. Time frames were limited for these reviews, and the Task Force recognizes and appreciates the time and effort committed by these reviewers to the draft Educational Outcomes.

Specifically the Task Force recognizes:

Memorial University  
Dalhousie University  
University of Alberta  
University of British Columbia  
Université Laval  
University of Manitoba  
Université de Montréal  
University of Saskatchewan  
University of Toronto  
University of Waterloo

The Council of Pharmacy Registrars of Canada (for NAPRA)  
The Canadian Council on Accreditation of Pharmacy Programs  
The Canadian Pharmacists Association  
The Canadian Society of Hospital Pharmacists  
The Pharmacy Examining Board of Canada  
The Structured Practical Experience Program Group



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**Nominations Committee Report**  
**Association of Faculties of Pharmacy of Canada**  
**Annual Meeting**  
**June 3, 2010 – Vancouver, BC**

Nominating Committee Report

1. Tessa Nicholl has been appointed the Council representative for the University of British Columbia, effective June 2010, for a three-year term.
2. Nese Yuksel has been re-appointed the Council representative for the University of Alberta, effective June 2010 for a three-year term.
3. Silvia Alessi-Severini has been re-appointed the Council representative for the University of Manitoba, effective June 2010 for a three year term.
4. Nancy Waite has been re-appointed the Council representative for the University of Waterloo, effective June 2010 for a three-year term.
5. Ingrid Price, University of British Committee has been acclaimed President-elect effective June 2010.
6. Lalitha Raman-Wilms will move from President-elect to President effective June 2010.
7. Mike Namaka will move from President to Past-president effective June 2010.

Respectfully submitted

A handwritten signature in black ink, appearing to be 'RD', with a long horizontal line extending to the right.

Roy Dobson  
Past-President

# **PEP Canada Report to AFPC**

**Submitted by:**

**Wanda Spurrell & Harriet Davies (Co-chairs)**

**June, 2010**

1. Since the mid-year report, PEP Canada held one teleconference on, February 22, 2010. Discussion items included: confirmation of PEPC meeting dates and times during AFPC conference; exchange of ideas for PEPC presentation at the AFPC conference; potential topics for Blueprint Pedagogy breakout session at AFPC conference; agenda items for annual PEPC meeting; PEPC response to call for comments to the AFPC Educational Outcomes.
2. PEP Canada representatives participated in a CSHP & ADPC „think tank“ on pharmacist student experiential education, held on February 3<sup>rd</sup> at the Sheraton Centre, Toronto. Stakeholder groups represented at the meeting included CSHP, ADPC, CCAPP, PEPC and Hospital Pharmacy Directors. The purpose was to identify issues from stakeholder perspectives and agree on key issues for resolution. Brief presentations were made by the various groups represented at the meeting, including PEPC. Draft proceedings summarizing the discussions from the meeting, along with proposed recommendations by the consultant, have been circulated. This topic will be further discussed by PEPC at the AFPC annual meeting in Vancouver.
3. PEPC was invited to respond to the proposed AFPC educational outcomes for entry level degree. A response was drafted and forwarded to the AFPC Task Force on Educational Outcomes. Comments focused on the importance of experiential education in meeting the educational outcomes and the necessity of funding and resources to support future curriculum changes. It was recommended that there be more specific reference within the document to the role of pharmacists as educators for pharmacy students and greater emphasis placed on the development of teaching skills in Pharmacy students.
4. PEP Canada will be conducting meetings during the June 2010 Association of Faculties of Pharmacy of Canada Conference and Meetings at the River Rock Casino, Richmond, BC.
  - a. Meetings are scheduled for Tuesday, June 1, 1:00-6:00 pm and 7:30-10:00 pm, and Wednesday, June 1, 9:00 am-4:00 pm.
  - b. Discussion items include: „coast-to-coast“ updates and sharing of practices regarding experiential learning programs, including policies and procedures in administration of SPEP; processes for out-of-province placements; possible reciprocity for pharmacy student interns; review of proceedings from CSHP/ADPC „Think Tank“: Pharmacist Experiential Programs; further examination of options for Preceptor Education; strategic planning, including direction and priorities for the year.
  - c. Rosemin Kassam (UBC) will join Harriet Davies (Dalhousie) as PEP Canada co-chair for 2010-2012, replacing Wanda Spurrell (MUN) who will complete a 2 year term.

5. PEPC will be contributing to the educational program at the AFPC Conference and Meetings. Cheryl Cox and Adrienne Linblad are delivering a presentation entitled “*Five Students: One Preceptor – Collaboration to Support Experiential Education*”, based on their experience with a Red Deer Pharmacy Teaching Unit. The presentation is scheduled for Friday, June 4 during the 8:30-10:00 am timeslot.

PEP Canada thanks ADPC, AFPC and each member’s individual pharmacy programs for the financial support provided to this committee.

## REPORT OF THE FINANCE COMMITTEE

Submitted to the AFPC Council, Wednesday, June 2, 2010

Submitted to the AFPC AGM, Thursday, June 3, 2010

Prepared by B. Allen in Consult with the Committee: F. Abbott / R. Dobson

I would like to begin by thanking both Frank Abbott and Roy Dobson as members of the Finance Committee for their due diligence in preparing, monitoring and managing the financial affairs for AFPC. In stepping into my role as Chair of Finance, I find it fair to say that the funds have been managed appropriately and responsibly.

We have had the opportunity to review the material provided to Council by Dr. Frank Abbott. In reviewing the Audited 2009 AFPC Financial Statements, we find the figures acceptable and a fair representation of the transactions of AFPC for the year ending December 31, 2009.

### **RECOMMENDATION # 1**

*The Finance Committee RECOMMENDS the acceptance of the Audited Financial Statements for the year ending December 31, 2009.*

Despite the size of this year's (2010) projected budget deficit, we believe it is not unexpected for two key factors.

1. First, the timing of income and expenses for the Educational Outcomes Project. Because the funds were not accounted for in the same year, the expense in 2010 represents a significant draw on our budget. However, it should have little material impact on cash flow or on our ability to operate. Initially \$30,000 was raised through the support of ADPC to cover the time and expenses of the consultant. AFPC agreed to cover the expenses of the task force members to attend various meetings which proved to be more costly than anticipated. Unfortunately from a budget perspective, AFPC is still challenged with considerable expenses to complete the project. However, we believe that our progress has outweighed our income.
2. Second, with the announcement of the retirement of our Executive Director there were expenses not previously identified. Together these two items represent approximately \$22,000 (\$15,000 + \$7,000) \$27,000 as a one time expense.

Also, we felt that the mid-year costs for Toronto are perhaps somewhat overstated. The mid-year in Montreal was a bit more expensive than usual, and we are hopeful that expenses in 2010 will be much lower. Having stated this, the budget figures for meetings (mid-year and AGM) vary from year to year and are very dependant on attendance, location and of the efforts of individual council members to take advantage of seat sales, etc. The budget must provide planning to accommodate regional representation and factor also in the variances due to the availability of council members to attend. Should one or two members not be able to attend this can impact significantly on the projected budget.

Following a review of the Proposed 2010 AFPC Budget, we are recommending approval for the use of our contingency fund (excess reserve pool) for this year with the objective of restoring these funds in the next 2-3 years, i.e. to plan surpluses going forward.

**RECOMMENDATION # 2**

*The Finance Committee RECOMMENDS that the AFPC approve the use of our contingency fund to withdraw \$30,000 from our reserves to be added to our Income Statement for the 2010 Budget Year with the objective of restoring these funds in the next 2-3 years.*

Note: In effect, we have recommended the addition of a line item to the income side of the budget and to move \$30,000 from our reserves.

**Moving Forward . . .**

As mentioned in Dr. Abbott's report, membership remains as our significant source of income. Faculty membership fees are up slightly reflecting a growth in some faculty across Canada. However, Affiliate Membership is an area that could be a potential for future revenue growth and should remain as a focus priority for moving forward.

Further to this discussion, the Committee believes that there needs to be a more advanced method to properly track income and expenses as they are associated with each 'project' that AFPC is associated with. The current method does not allow us to clearly show how the funds (income) for a particular project are expensed against the allotted income for that project—simply a timing factor. Consequently, when work flows across two financial reporting periods, the tracking of funds appropriated and expensed are not readily clear when reviewed by the reader. We have suggested that an undertaking be approved to set up specific reserves in the Balance Sheet to track changes in our net assets for all project work. In this way, the reader of the financial statements has a much clearer picture of the funds received and claims expensed against each individual project. It would also be fair to allocate a percentage of these funds to AFPC for administration costs, which in turn would support offsetting costs to AFPC and become part of our income. When funds do not meet expenditures, then we would have an opportunity to present or appropriately allocate only the amount designated to complete the work of that project. This might guide our decisions in committing what can be accomplished with the funding provided or provide another opportunity for a request for more funds to be provided to complete the project.

**RECOMMENDATION # 3**

*The Finance Committee RECOMMENDS that the AFPC approve the revamping of our financial statements to reflect a tracking mechanism in the Balance Sheet for our Reserve Funds to reflect both the 'appropriation and the transfer of funds' to offset expenditures for revenues generated for various projects and other income revenues not associated with the normal operations of AFPC.*

And finally,

**RECOMMENDATION # 4**

*The Finance Committee RECOMMENDS that the AFPC approve the proposed budget for AFPC for the year ending December 31, 2010.*

Respectfully submitted,

*Bev Allen*

B. E. (Bev) Allen, Chair  
June 02, 2010

**ASSOCIATION OF FACULTIES OF  
PHARMACY OF CANADA**

Vancouver, B.C.

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FINANCIAL STATEMENTS

December 31, 2009





WOLRIGE MAHON<sup>LLP</sup>

Chartered Accountants

## AUDITORS' REPORT

To the Members of the Association of Faculties of Pharmacy of Canada:

We have audited the balance sheet of the Association of Faculties of Pharmacy of Canada as at December 31, 2009 and the statements of revenue, expenditures and net assets, and cash flows for the year then ended. These financial statements are the responsibility of the Association's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Association as at December 31, 2009 and the results of its operations for the year then ended in accordance with Canadian generally accepted accounting principles.

***"Wolrige Mahon LLP"***

CHARTERED ACCOUNTANTS

Vancouver, B.C.  
April 9, 2010

# ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA

## STATEMENT OF REVENUE, EXPENDITURES AND NET ASSETS

For the year ended December 31, 2009

	2009	2008
	\$	\$
<b>Revenue</b> , Schedule 1	<b>180,266</b>	168,990
<b>Expenditures</b> , Schedule 2	<b>188,192</b>	176,978
<b>Deficiency of revenue over expenditures</b>	<b>(7,926)</b>	(7,988)
Net assets, beginning	<b>199,799</b>	207,787
<b>Net assets, ending</b>	<b>191,873</b>	199,799

# ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA

## BALANCE SHEET

December 31, 2009

	2009	2008
	\$	\$
<b>Assets</b>		
Current		
Cash	23,454	39,181
Receivables	10,186	5,697
Deposit	2,000	-
	<hr/>	<hr/>
	35,640	44,878
Investments (Note 4)	156,233	154,921
	<hr/>	<hr/>
	191,873	199,799
<hr/>		
<b>Net Assets</b>	<b>191,873</b>	<b>199,799</b>
	<hr/>	<hr/>
	191,873	199,799
<hr/>		

Approved by Council:

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## ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA

### STATEMENT OF CASH FLOWS

For the year ended December 31, 2009

	2009	2008
	\$	\$
Cash flows related to operating activities		
Cash receipts from members	98,453	99,502
Cash received from awards sponsorship	32,734	32,240
Cash received from other initiatives	43,277	26,481
Cash paid to suppliers	(150,882)	(133,697)
Awards paid	(39,310)	(46,904)
Interest received	1,313	7,563
	<u>(14,415)</u>	<u>(14,815)</u>
Cash flows related to investing activities		
Purchase of guaranteed investment certificates	(1,312)	(7,563)
	<u>(1,312)</u>	<u>(7,563)</u>
<b>Net decrease in cash</b>	<b>(15,727)</b>	<b>(22,378)</b>
Cash, beginning	39,181	61,559
	<u>23,454</u>	<u>39,181</u>

# ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA

## NOTES

For the year ended December 31, 2009

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### **Note 1 General**

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The Association of Faculties of Pharmacy of Canada is an association of faculties of pharmacy whose members are committed to the promotion and recognition of excellence in pharmacy education and scholarly activities.

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### **Note 2 Significant Accounting Policies**

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#### **Revenue Recognition**

The Association follows the deferral method of accounting for contributions. Restricted contributions are recognized as revenue in the year in which the related expenses are incurred. Unrestricted contributions are recognized as revenue when received or receivable if the amount to be received can be reasonably estimated and collection is reasonably assured.

#### **Use of Estimates**

The preparation of financial statements in conformity with Canadian generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

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### **Note 3 Financial Instruments**

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Items that meet the definition of a financial instrument include cash, investments, receivables, and payables and accruals. The fair value of these items approximates their carrying value. It is management's opinion that the is not exposed to significant interest rate risk, currency risk and credit risk arising from these financial instruments.

The Association's designations are as follows:

Cash and equivalents are designated as held-for-trading and are measured at fair value.

Investments are classified as held-for-trading and are measured at fair value.

Receivables are classified as loans and receivables and are measured at amortized cost.

Payables and accruals are classified as other financial liabilities and are measured at amortized cost.

# ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA

## NOTES

For the year ended December 31, 2009

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### Note 4 Investments

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	2009	2008
	\$	\$
CIBC GIC - January 12 2009 3.10%	-	42,230
CIBC GIC - January 2 2010 4.25%	17,557	17,557
CIBC GIC - January 12 2010 1.10%	43,542	-
CIBC GIC - June 28 2010 3.45%	23,439	23,439
CIBC GIC - November 1 2010 3.70%	23,354	23,354
CIBC GIC - October 28 2011 2.50%	23,432	23,432
CIBC GIC - June 27 2012 3.70%	24,909	24,909
	-	-
	<hr/> <b>156,233</b> <hr/>	<hr/> 154,921 <hr/>

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### Note 5 Capital Disclosures

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The Association maintains adequate cash to meet current payment obligations and planned program expenditures. Pending actual disbursements for budgeted program expenditures, funds are invested in securities designed to maximize return, while minimizing risk and maintaining flexibility. The investment objectives are subject to limitations defined by Council and are set to provide maximum current income within the approved risk parameters.

The Association considers its capital structure to consist of members' net assets. The Association is not subject to external restrictions on its net assets.

**ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA** Schedule 1

## SCHEDULE OF REVENUE

For the year ended December 31, 2009

	2009	2008
	\$	\$
<b>Memberships</b>		
Faculty	88,328	87,677
Affiliate	9,600	16,800
Associate	525	525
<b>Awards</b>		
Merck Frosst	15,000	15,000
Wal-Mart Canada	10,000	10,000
Sanofi-Aventis	3,000	-
Pfizer	2,371	1,831
GlaxoSmithKline	1,894	2,409
Bristol-Meyers Squibb	1,000	-
Canadian Foundation for Pharmacy	840	-
AstraZeneca	-	3,000
<b>Other</b>		
Education Outcomes Project	30,000	-
Annual conference	11,877	(18,919)
Interest income	4,431	5,267
Website advertising	1,400	400
Program evaluation	-	25,000
Rx & D grant for teaching database	-	8,000
Task Force SPEP (PEP Canada)	-	12,000
	<b>180,266</b>	<b>168,990</b>

**ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA** Schedule 2

SCHEDULE OF EXPENDITURES

For the year ended December 31, 2009

	2009	2008
	\$	\$
<b>Meetings</b>		
AACP AGM	2,534	-
ADPC travel, Executive director	2,134	4,000
AGM council	27,233	29,990
Blueprint for Pharmacy	915	2,567
CCCEP	578	788
CSHP travel, President	1,674	-
Mid-Year AACP	-	991
Mid-Year council	13,960	11,249
PEP Canada	916	10,799
<b>Operating</b>		
Audit services	2,415	2,310
Bank charges	208	198
Canada Revenue Agency	30	30
Computer expenses	119	182
Courier	72	49
Executive director-honorarium	42,000	42,000
Executive director-travel grant	1,031	3,049
Insurance	1,471	-
Internet services	545	568
Miscellaneous	1,145	711
Office supplies	400	270
Postage	311	91
Printing	1,137	185
Teleconferencing	549	496
Telephone and fax	616	601
Website maintenance	6,725	2,934
<b>Other</b>		
CCAPP membership	8,925	9,844
Educational Outcomes Project	26,902	-
Miscellaneous	-	550
Program evaluation	3,465	5,622
Translation services	872	-



**ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA**      **Schedule 2**  
**SCHEDULE OF EXPENDITURES**      **(continued)**

For the year ended December 31, 2009

	<b>2009</b>	2008
	\$	\$
<b>Awards</b>		
AFPC poster awards	<b>1,000</b>	1,000
AFPC travel grants	<b>9,501</b>	14,345
AFPC Whit Matthews	<b>500</b>	500
AstraZeneca	-	2,928
Bristol-Meyer Squibb	<b>1,000</b>	-
Canadian Foundation for Pharmacy	<b>750</b>	-
GSK Grad student	<b>1,804</b>	2,615
Merck Frosst fellowship	<b>15,000</b>	15,000
Pfizer	<b>2,265</b>	1,831
Sanofi-Aventis	<b>2,906</b>	-
Wal-Mart Canada	<b>4,584</b>	8,685
	<b>188,192</b>	176,978

## 2009 AFPC Financial Statement with 2008 Actual

	2008 ACTUAL	2009 BUDGET	2009 Actual
<b>INCOME</b>			
<b>Memberships</b>			
FACULTY	\$87,677.00	\$88,328.00	\$88,328.00
AFFILIATE	\$16,800.00	\$10,800.00	\$9,600.00
ASSOCIATE	\$525.00	\$525.00	\$525.00
<b>TOTAL MEMBERSHIPS</b>	<b>\$105,002.00</b>	<b>\$99,653.00</b>	<b>\$98,453.00</b>
<b>OTHER INCOME</b>			
ANNUAL CONF	(\$18,918.69) *	\$15,000.00	\$11,877.16
INTEREST	\$5,267.00	\$5,500.00	\$4,431.00
Web Site Advertising	\$400.00	\$600.00	\$1,400.00
<b>TOTAL OTHER INCOME</b>	<b>(\$13,251.69)</b>	<b>\$21,100.00</b>	<b>\$17,708.16</b>
<b>Awards</b>			
AstraZeneca	\$3,000.00	\$0.00	
Bristol-Myers Squibb	\$0.00	\$1,500.00	\$1,000.00
Canadian Foundation for Pharmacy		\$1,500.00	\$839.60
GlaxoSmithKline	\$2,408.75	\$2,500.00	\$1,893.65
Merck Frosst	\$15,000.00	\$15,000.00	\$15,000.00
Pfizer	\$1,831.14	\$2,500.00	\$2,371.00
Rx&D Industrial Visitation	\$0.00	\$4,000.00	
sanofi-aventis Canada Inc.	\$3,000.00	\$3,000.00	\$3,000.00
Wal-Mart Canada	\$10,000.00	\$10,000.00	\$10,000.00
<b>TOTAL AWARDS</b>	<b>\$32,239.89</b>	<b>\$40,000.00</b>	<b>\$34,104.25</b>
<b>Miscellaneous</b>			
Educational Outcomes Project		\$30,000.00	\$30,000.00
Program Evaluation	\$25,000.00	\$0.00	
Rx&D Sponsorship of Teaching Database	\$8,000.00	\$0.00	
Task Force SPEP (PEPCanada)	\$12,000.00	\$0.00	
<b>Total Miscellaneous Income</b>	<b>\$45,000.00</b>	<b>\$30,000.00</b>	<b>\$30,000.00</b>
<b>TOTAL INCOME</b>	<b>\$168,990.20</b>	<b>\$190,753.00</b>	<b>\$180,265.41</b>

<b>EXPENSES</b>	<b>2008 ACTUAL</b>	<b>2009 Budget</b>	<b>2009 Actual</b>
<b>Meeting Expenses</b>			
AACP AGM	\$0.00	\$1,800.00	\$2,533.97
AACP meeting planning	\$991.47	\$0.00	\$0.00
ADPC Travel, Ex Dir	\$4,000.00	\$3,000.00	\$2,133.50
AFPC Mid-year Council Mtg	\$11,249.29	\$14,000.00	\$13,960.20
AGM Council	\$29,989.93	\$20,000.00	\$27,232.99
Blueprint for Pharmacy Mtg.	\$2,567.29	\$1,000.00	\$915.37
CCCEP	\$787.50	\$600.00	\$577.50
Newsletter Editor-Meeting Expenses	\$615.00	\$0.00	\$0.00
PEP Canada Annual Mtg Expenses	\$10,733.51	\$750.00	\$915.57
President travel to ADPC AM	\$0.00	\$0.00	\$0.00
President travel to CSHP	\$0.00	\$1,700.00	\$1,674.04
<b>Total Meeting Expenses</b>	<b>\$60,933.99</b>	<b>\$42,850.00</b>	<b>\$49,943.14</b>
<b>Operating Expenses</b>			
Audit services	\$2,310.00	\$2,415.00	\$2,415.00
Bank charges	\$197.69	\$200.00	\$208.87
Computer expenses	\$182.03	\$200.00	\$118.57
Corporations Directorate	\$30.00	\$30.00	\$30.00
Courier	\$48.53	\$50.00	\$71.73
DOLI - Insurance		\$1,500.00	\$1,471.00
Exec. Dir. Honor.	\$42,000.00	\$42,000.00	\$42,000.00
E.D. travel grant	\$3,049.05	\$2,000.00	\$1,031.32
Misc Exp Ex Director	\$14.00	\$50.00	\$73.35
Office Supplies	\$269.64	\$300.00	\$399.90
Photocopies	\$0.00	\$50.00	\$0.00
Postage	\$90.59	\$400.00	\$310.56
Printing	\$184.80	\$1,200.00	\$1,137.15
Secretarial and certificates	\$612.00	\$900.00	\$1,071.20
Telephone/fax	\$601.00	\$600.00	\$616.19
Teleconferencing	\$496.21	\$500.00	\$549.16
Internet Services	\$567.76	\$600.00	\$545.00
Web site maint.& develop	\$2,934.10	\$4,000.00	\$6,724.59
Web site Database	\$0.00	\$2,000.00	\$0.00
Receiver General-Gazette Costs	\$85.00	\$0.00	\$0.00
Volunteer Canada Membership		\$100.00	\$0.00
<b>Total - operating</b>	<b>\$53,672.40</b>	<b>\$59,095.00</b>	<b>\$58,773.59</b>
<b>Other Expenses</b>			
CCAPP	\$9,843.75	\$8,925.00	\$8,925.00
Educational Outcomes Project		\$20,000.00	\$26,902.30
Program Evaluation Costs	\$5,621.71	\$7,000.00	\$3,465.00
Translation Services	\$0.00	\$200.00	\$871.80

<b>Total Other Expenses</b>	<b>\$15,465.46</b>	<b>\$36,125.00</b>	<b>\$40,164.10</b>
<b>Awards</b>			
AFPC student travel grants	\$14,344.71	\$12,000.00	\$9,500.79
AFPC Best Poster Awards	\$1,000.00	\$1,000.00	\$1,000.00
AFPC Whit Matthews	\$500.00	\$500.00	\$500.00
AstraZeneca	\$2,928.34	\$0.00	\$0.00
Bristol-Myers Sq.	\$0.00	\$1,500.00	\$1,000.00
Canadian Foundation for Pharmacy		\$1,500.00	\$750.00
GSK grad student	\$2,614.96	\$2,500.00	\$1,804.06
Merck Frosst Fellowship	\$15,000.00	\$15,000.00	\$15,000.00
Pfizer	\$1,831.14	\$2,500.00	\$2,264.85
Rx&D Industrial Visitation	\$0.00	\$4,000.00	\$0.00
sanofi-aventis		\$2,500.00	\$2,906.39
Wal-Mart Canada	\$8,685.14	\$9,500.00	\$4,584.38
<b>Total Awards Expenses</b>	<b>\$46,904.29</b>	<b>\$52,500.00</b>	<b>\$39,310.47</b>
<b>TOTAL EXPENSES</b>	<b>\$176,976.14</b>	<b>\$190,570.00</b>	<b>\$188,191.30</b>
<b>Surplus(Deficit)</b>	<b>(\$7,985.94)</b>	<b>\$1,088.00</b>	<b>(\$7,925.89)</b>

**2010 AFPC Budget Proposal for Annual General Meeting – Approved June 3, 2010.**

	<b>2009 Actual</b>	<b>2010 Budget</b>
<b>INCOME</b>		
<b>MEMBERSHIPS</b>		
<b>FACULTY</b>	\$88,328.00	\$89,252.00
<b>AFFILIATE</b>	\$9,600.00	\$10,800.00
<b>ASSOCIATE</b>	\$525.00	\$450.00
<b>TOTAL MEMBERSHIPS</b>	<b>\$98,453.00</b>	<b>\$100,502.00</b>
<b>OTHER INCOME</b>		
ANNUAL CONF	\$11,877.16 *	\$20,000.00
INTEREST	\$4,431.00	\$5,500.00
Web Site Advertising	\$1,400.00	\$1,200.00
Transfer from reserves		\$30,000.00
<b>TOTAL OTHER INCOME</b>	<b>\$17,708.16</b>	<b>\$56,700.00</b>
<b>AWARDS</b>		
Bristol-Myers Squibb	\$1,000.00	\$2,500.00
Canadian Foundation for Pharmacy	\$839.60	\$2,200.00
GlaxoSmithKline	\$1,893.65	\$2,400.00
Merck Frosst	\$15,000.00	\$15,000.00
Pfizer	\$2,371.00	\$2,500.00
Rx&D Industrial Visitation		\$4,000.00
sanofi-aventis Canada Inc.	\$3,000.00	\$3,000.00
Wal-Mart Canada	\$10,000.00	\$0.00
<b>TOTAL AWARDS</b>	<b>\$34,104.25</b>	<b>\$31,600.00</b>
<b>MISCELLANEOUS</b>		
Educational Outcomes Project	\$30,000.00	\$0.00
<b>Total Miscellaneous Income</b>	<b>\$30,000.00</b>	<b>\$0.00</b>
<b>TOTAL INCOME</b>	<b>\$180,265.41</b>	<b>\$188,802.00</b>
<b>EXPENSES</b>		
<b>Meeting Expenses</b>	<b>2009 Actual</b>	<b>2010 Budget</b>
AACP AGM	\$2,533.97	\$4,500.00

ADPC Travel, Ex Dir	\$2,133.50	\$3,000.00
AFPC Mid-year Council Mtg	\$13,960.20	\$12,000.00
AGM Council	\$27,232.99	\$25,000.00
Blueprint for Pharmacy Mtg.	\$915.37	\$1,500.00
CCCEP	\$577.50	\$600.00
PEP Canada Annual Mtg Expenses	\$915.57	\$1,000.00
President travel to CSHP	\$1,674.04	\$0.00

<b>Total Meeting Expenses</b>	<b>\$49,943.14</b>	<b>\$47,600.00</b>
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#### Operating Expenses

Audit services	\$2,415.00	\$2,500.00
Bank charges	\$208.87	\$1,400.00
Certificate Framing		\$700.00
Computer expenses	\$118.57	\$100.00
Corporations Directorate	\$30.00	\$30.00
Courier	\$71.73	\$100.00
DOLI - Insurance	\$1,471.00	\$1,400.00
Exec. Dir. Honor.	\$42,000.00	\$45,000.00
Ex. Dir. Handover		\$7,000.00
E.D. travel grant	\$1,031.32	\$3,000.00
Misc Exp Ex Director	\$73.35	\$100.00
Office Supplies	\$399.90	\$400.00
Photocopies	\$0.00	\$100.00
Postage	\$310.56	\$300.00
Printing	\$1,137.15	\$650.00
Secretarial	\$1,071.20	\$7,000.00
Telephone/fax	\$616.19	\$600.00
Teleconferencing	\$549.16	\$600.00
Internet Services	\$545.00	\$600.00
Web site maint.& develop	\$6,724.59	\$5,000.00
Web site Database		\$2,000.00
Receiver General-Gazette Costs		\$100.00
Volunteer Canada Membership		\$100.00

<b>Total - operating</b>	<b>\$58,773.59</b>	<b>\$78,780.00</b>
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#### Other Expenses

CCAPP	\$8,925.00	\$9,187.00
Educational Outcomes Project	\$26,902.30	\$25,000.00
Program Evaluation Costs	\$3,465.00	\$3,000.00
Translation Services	\$871.80	\$1,000.00

<b>Total Other Expenses</b>	<b>\$40,164.10</b>	<b>\$38,187.00</b>
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#### Awards

AFPC student travel grants	\$9,500.79	\$12,000.00
AFPC Best Poster Awards	\$1,000.00	\$1,000.00
AFPC Whit Matthews	\$500.00	\$500.00

Bristol-Myers Sq.	\$1,000.00	\$2,500.00
Canadian Foundation for Pharmacy	\$750.00	\$2,200.00
GSK grad student	\$1,804.06	\$2,400.00
Merck Frosst Fellowship	\$15,000.00	\$15,000.00
Pfizer	\$2,264.85	\$2,500.00
Rx&D Industrial Visitation		\$4,000.00
sanofi-aventis	\$2,906.39	\$2,500.00
Wal-Mart Canada	\$4,584.38	\$0.00
<b>Total Awards Expenses</b>	<b>\$39,310.47</b>	<b>\$44,600.00</b>
<b>TOTAL EXPENSES</b>	<b>\$188,191.30</b>	<b>\$209,167.00</b>
<b>Surplus(Deficit)</b>	<b>(\$7,925.89)</b>	<b>(\$20,365.00)</b>

**AFPC Research Committee Report  
Annual General Meeting  
Vancouver, June 3, 2010**

**Committee Members:** John Hawboldt (Chair)

**Research and Teaching Data Directory:**

The research database has been completed and is on the website. However, there is still deliberation regarding the research directory itself. There have been issues regarding utility and accuracy of the information. After a teleconference with Mike Namaka and Sylvie Marleau, it was proposed that a student be assigned to overhaul the database. In particular checking to see where particular information is no longer accurate.

Finally, as mentioned in previous reports, the teaching database needs to be developed and put on the website. Our experience with the research database will hopefully assist in the efficient development of the teaching database. Once the research database has been completed and upgraded, our attention will be to develop and complete the teaching database.

**Basic-Science and Practice-Based Research:**

As part of its mandate of encouraging research, the Research Committee of AFPC continues to look for new opportunities to assist in the promotion of basic-science and practice-based research.

*Respectfully submitted by the Chair, John Hawboldt.*



**Strategic Planning Report – AFPC Annual General Meeting  
River Rock Casino, Richmond, BC – June 3, 2010  
Mike Namaka (Chair)**

**AFPC Mission Statement**

To advance the interests of academic pharmacy by supporting, promoting and recognizing innovation, excellence and leadership in pharmacy education, research and scholarly activity.

**Establishing OUR Priorities for 2010**

Following the 2009 AGM, the Strategic Planning committee met to discuss potential ways to facilitate the setting of key priorities for AFPC. As the result of our discussions, Dr Dobson prepared a strategic planning exercise sent to all councillors in September 2009. The AFPC councillors and the ADPC representative were instructed to complete the exercise prior to the midyear meeting. Dr Dobson was responsible for collecting all the completed forms for this exercise which was later used prior to the Midyear to outline the key strategic areas identified by council and executive deemed essential to the operations of AFPC. Dr Dobson provided the executive and council with a summary of the priorities identified by this exercise.

At the AFPC Midyear, the summary document generated quite a bit of discussion that eventually identified four priority areas:

1. Dissemination and implementation of two important AFPC initiatives – educational outcomes and program evaluation;
2. Increasing faculty awareness and participation in APFC activities such as the annual conference and AFPC committees;
3. Advocacy to support the faculties as they work to improve the quality of pharmacy education in Canada; and
4. Funding to ensure the sustainability of AFPC

Three action teams consisting of the members of the APFC Council will be responsible for one of the first three priority areas. In the coming year, each action team will:

1. Select specific tasks to advance their priority area
2. Outline the individual steps to complete each task
3. Provide timelines for implementation
4. Identify who will perform the tasks
5. Identify the resources needed to implement/complete the task.

Sustainable funding is an area of particular importance for AFPC, and initiatives relating to funding will be addressed by an action team made up of the entire council.

Although Dr. Dobson is leaving council this year, he has agreed to continue as Coordinator of Strategic Planning Initiatives. In that role, he will facilitate ongoing communication with the respective action teams to move each priority area forward.

**Blueprint for Pharmacy**  
**Report to AFPC Annual General Meeting**  
**River Rock Resort Hotel**  
***Richmond, BC, June 3, 2010***

The Blueprint for Pharmacy Working Group is a collaborative initiative, led by the Canadian Pharmacists' Association, to develop and achieve a vision for the future of pharmacy in Canada. The Vision for Pharmacy articulated by the Blueprint is: "Optimal drug therapy outcomes for Canadians through patient-centred care".

AFPC, along with national pharmacy organizations, provincial pharmacy associations, provincial regulatory authorities, student societies and major community pharmacy representations have signed the *Organizational Commitment to Act*, a document declaring intention to support the advancement of the profession. In addition, individual pharmacists from across Canada have signed the *Personal Commitment to Act*.

The Blueprint is a living document listing 53 key strategic actions and 130 deliverables in the following five key areas:

- Pharmacy human resources
- Education and continuing professional development
- Information and communication technology
- Financial viability and sustainability
- Legislation, regulation, and liability

The Steering Committee has now been struck, with representatives from a variety of organizations, including AFPC (reps: Zubin Austin and Lalitha Raman Wilms). Dr. Dennis Gorecki has been appointed chair of the Steering Committee. The Committee has met twice in face-to-face sessions and has held several conference calls. The following key projects have been funded and are moving forward:

- a) NAPRA has received funding for a pharmacy HR project, to develop a single point of access for international pharmacy graduates seeking licensure in Canada. (Approx. \$3.7 million)
- b) CCCEP has received funding for a continuing professional development summit to discuss learning needs for pharmacists as scopes of practice evolve and expand. (Approx \$50 000)
- c) CACDS, CPhA and provincial pharmacy associations are partnering on “Canadian pharmacy Services Initiative Project: Bringing the Blueprint to Life: Enhanced pharmacy services” (Approx \$30 000)
- d) A variety of national organizations (including AFPC and ADPC) have contributed financially to establish a Blueprint for Pharmacy National Coordinating Office (~\$98 000 total)
- e) Provincial Pharmacy Associations in Alberta, Quebec, BC, Ontario, and Saskatchewan have contributed \$0.75/pharmacist to support the implementation process.
- f) Pfizer Canada has provided in kind support of ~\$13 000 for translation services.
- g) At the CPhA meeting in Calgary, the Blueprint hosted an “Opportunity Tree” event to build momentum within the pharmacy community and to share progress and ideas related to implementation.

AFPC is integral to the work of the Blueprint given the importance of education, skills enhancement training, and continuing professional development. We look forward to contributing to the discussions and advancement of this important initiative.

Respectfully submitted,

Zubin Austin and Lalitha Raman Wilms  
University of Toronto

**2010 CCAPP report to the AFPC Annual General Meeting  
June 3, 2010 Vancouver, British Columbia**

**Executive of CCAPP (2009-2010):**

President - Barbara Downe-Wamboldt, Non pharmacy academic member  
President Elect – Susan Mansour, AFPC Appointee  
Past President - Erin Farrell-Mackenzie, CPhA Appointee  
Executive Director - David Hill

The CCAPP board held its annual general meeting in Toronto on June 10<sup>th</sup> and 11<sup>th</sup>, 2009. Highlights of activities over the last 12 months are as follows:

- **Accreditation activities**
  - **Degree programs.** Two site visits were held in the fall, one to Dalhousie University and the other to Memorial University of Newfoundland. A site visit originally scheduled for the University of Alberta was rescheduled to 2010.
  - **Pharmacy Technician Programs.** Three pharmacy technician programs were reviewed and awarded qualifying status. Three programs were reviewed and awarded provisional status. Eight site visits for new pharmacy technician program applicants were conducted.
  - **International programs.** A site visit was also conducted at the College of Pharmacy at Qatar University, Doha, Qatar in December of 2009. The College of Pharmacy at Qatar University was previously awarded provisional accreditation for a three year period, January 2009-December 2011. CCAPP continues to receive and consider requests to provide accreditation services to international pharmacy programs.
  
- **Accreditation Standards**
  - **Pharmacy Technician Programs.** A review of the 2007 accreditation standards for pharmacy technician programs has been initiated by the current site team surveyors and will continue under the direction of the new incoming CCAPP Executive Director.
  - **Degree Programs.** The standards committee will be moving forward with the standards for the Doctor of Pharmacy credential as the first professional degree in pharmacy under the direction of the new incoming CCAPP Executive Director.
  
- **Executive Director**
  - The CCAPP Board of Directors launched a successful search for a new Executive Director in June of 2009. Dr. Wayne K. Hindmarsh, Professor and Dean Emeritus of the Leslie Dan Faculty of Pharmacy at the University of Toronto was appointed to the CCAPP Executive Director position effective July 1, 2010. Dr. Hindmarsh brings an outstanding record of achievements in academic leadership, research, professional representation and engagement to the Council.
  - The Board of Directors is most grateful that Dr. David S. Hill, Professor and Dean of the College of Pharmacy and Nutrition at the University of Saskatchewan agreed to continue to assist CCAPP as interim Executive Director until Dr. Hindmarsh assumes office in July 2010. Dr Hill has been and continues to be an outstanding leader and advocate for the profession of pharmacy.

Respectfully submitted,

Susan Mansour and Carmen Vezina, AFPC delegates to CCAPP

**Report from the Academic Board Member on the  
Canadian Pharmacists Association Board  
May 2010**

The following is an overview of some of the activities.

***I. Blueprint for Pharmacy: The Vision for Pharmacy***

In 2009, the Blueprint Task Force and working groups completed their mandates and finalized the Blueprint [Implementation Plan](#) (September). All 36 recommendations laid out in the Final Report were integrated into the Implementation Plan. Pharmacy organizations across Canada have been consulted and many have agreed to lead specific initiatives. CPhA has established a National Coordinating Office (NCO) to help coordinate and communicate Blueprint activities and some external funding has already been secured to help support the NCO. ADPC and AFPC have both made financial contributions. Dr. Dennis Gorecki has been appointed Chair of the Blueprint for Pharmacy Steering Committee. Dr. David Hill and Dr. Henry Mann (alternate) are representing ADPC on the Steering Committee and Dr. Zubin Austin and Dr. Lalitha Raman-Wilms (alternate) are representing AFPC.

The Blueprint Fundraising Committee, chaired by Virginia Cirocco, has been assembled and is working on a fundraising plan. Several Health Canada funding proposals have been approved with work commencing in 2010.

**Pharmacy Practice Research**

CPhA actively supported pharmacy practice research in Canada through the Canadian Pharmacy Practice Research Group (CPPRG) and with very well-attended research sessions at our conference. Quarterly issues of *the Translator* and launched *Live Links*, an e-newsletter providing summarized research from around the world with links to online abstracts and full-text articles are delivered quarterly. Both are sent to government and health care stakeholders to support knowledge translation between pharmacy practice research and health policy.

***II. Representing and Promoting the Profession***

**External Relations**

In 2009, CPhA continued to meet with a wide range of stakeholders and government officials to discuss various aspects of pharmaceutical and health care policy. Health human resources (HHR) remained an important issue and CPhA executive director, Jeff Poston, gave a presentation to the federal government's House of Commons Standing Committee on Health (HESA), focusing on the contribution of the pharmacy profession in addressing HHR issues.

CPhA's advocacy activities also include our work with the G4 group (Canadian Medical Association, Canadian Nurses Association, Canadian Healthcare Association and CPhA). G4 had meetings with the Minister and Deputy Minister of Health and also advocated for the federal government to release \$500 million in funding to Infoway to support electronic health record adoption. Following the release of the Auditor General's positive report on Infoway, CPhA wrote to the Prime Minister, which was picked up in the media, and published an ad in the *Hill Times* newspaper.

**e-Pharmacy**

CPhA co-chairs the National e-Pharmacy Task Force (NePTF) with the Canadian Association of Chain Drug Stores (CACDS) to address policy, privacy, business and patient care issues as they relate to electronic health record technology and pharmacists. CPhA collaborated with CACDS and the PEI Pharmacists Association in conducting the PEI Drug Information System Cost-Benefit Analysis (PEI-DIS-

CBA) Study. Key findings and lessons learned were communicated to key stakeholders as other provinces move forward with DIS.

### **CPhA Membership**

CPhA hired a consultant to complete a membership strategy review and a Membership Task Force has been struck to enhance CPhA's value proposition for Canadian pharmacists. To support our members in providing expanded medication management services to their patients, we have launched a new member benefits program. Instead of receiving a complimentary print CPS, members can choose to receive instead e-CPS, the 12-hour Diabetes CE which is part of the national diabetes strategy for pharmacists, or a 50% discount on e-Therapeutics+.

### ***Canadian Pharmacists Journal***

The *Canadian Pharmacists Journal* produced six full issues and one supplement, *Diabetes*, in 2009. An updated business plan was presented and approved by the board, reaffirming the value of *CPJ* as a membership benefit. The first full year of *CPJ* Online concluded with steadily increasing traffic.


### **Publications and e-Products**

The e-CPS and e-Therapeutics+ portal underwent a major re-architecture in 2009, resulting in more flexibility for CPhA and significant cost savings. Changes to the user experience included a streamed login process and improved search functionality. The e-product licensing model underwent significant change as we moved to an enterprise pricing system. This change gave CPhA sales team an opportunity to reconnect with our major clients, renegotiate contracts and get a better understanding of how products are being used and how they can best suit client needs.

The New Patient Self-Care and the Compendium of Self-Care Products will be released in August 2010.

At this year's Awards Ceremony at CPhA's annual conference in Calgary, several AFPC members were honoured.

- Dr. Christine Hughes - Faculty of Pharmacy and Pharmaceutical Sciences at the University of Alberta – CPhA Patient Care Achievement Award for Specialty Practice.
- Dr. Fawziah Marra – Faculty of Pharmaceutical Sciences, University of British Columbia CPhA Patient Care Achievement Award for Innovation.
- Dr. Dennis Gorecki – College of Pharmacy and Nutrition – University of Saskatchewan – CPhA Honorary Life Membership.
- Dr. Wayne Hindmarsh – Leslie Dan Faculty of Pharmacy at the University of Toronto – CPhA Honorary Life Membership.
- Dr. Derek Jorgenson – College of Pharmacy and Nutrition – University of Saskatchewan – Canadian Pharmacist of the Year.



Rita Caldwell  
Academic Board Member, CPhA

**Report on the Canadian Pharmacy Practice Research Group (CPPRG) for AFPC  
AFPC Annual General Meeting  
River Rock Casino Resort  
Vancouver, BC  
Thursday, June 3, 2010**

Activities:

1. CPPRG remains an ongoing advocate for pharmacy practice research, as well as dissemination of pharmacy practice research
  - Ongoing linkages with other organizations to raise awareness of pharmacy practice research
  - Translator – sent quarterly, Live links – monthly (both published by CPhA)
  - Discussions with CFP to determine shared goals
  - Researchers are encouraged to submit practice research for dissemination
2. CPPRG organized several pharmacy practice research sessions at the CPhA annual meeting in Calgary (May 16 – 18, 2010)
  - A number of research sessions (presentation of both oral and poster abstracts) highlighting pharmacy practice research were held at the meeting. These were very well attended by attendees, attracting not only researchers to the sessions but also pharmacists in practice.
  - CPhA offers registration discounts to its members who were oral and/or poster presenters.
3. CPPRG continues to link and support pharmacy practice researchers in Canada:
  - A new Google group is being established which will have a space for discussion, as well as provide information on grant announcements, job postings, and other pertinent information. CPPRG is encouraging members to use the free and easily accessible link, as well as direct others to it.
4. CPPRG has been identified as the lead on the Blueprint Implementation plan for tasks relating to identifying, piloting and evaluating pharmacy practice initiatives. Some of the activities the group will be focusing on this year include:
  - a review of the research evidence for pharmacy practice services
  - list of research priorities for CPPRG
  - studies to determine feasibility, cost-effectiveness and impact of services
5. Call for new executive deadline April 15, 2010. Current executive of CPPRG: Yvonne Shevchuk (chair), Marie-France Bouchesne (Quebec), Fawziah Marra (BC), Carlo Marra (BC), Susan Beresford (CPhA board), David Blackburn (SK), Lisa Guirguis (AB), Stacy Johnson (AB), Anne-Marie Whelan (NS), Lin Yong (ON).

Respectfully submitted:  
Nese Yuksel

AFPC Conference, 2010  
Annual General Meeting  
Thursday June 3, 2010  
Richmond, British Columbia

## **PEBC Liaison Report**

Please find attached a concise summary of recent PEBC activities and summary statistics for 2009.

### **PEBC Pharmacist Register:**

Overall there were 1333 names added to the PEBC Pharmacist Register by examination in 2009, (1215 in 2008).

### **PEBC Pharmacy Technician Register:**

Of special interest in this report: the Pilot Pharmacy Technician Qualifying Examination was completed with 153 candidates participating in Part I (MCQ) and Part II (OSPE) which was held in Toronto in August 2009. Two hundred and ninety seven candidates wrote the Pharmacy Technician Evaluating Exam which was held in October 2009 (at centres in Ontario, British Columbia and Nova Scotia)

Overall, 123 names were added to the Pharmacy Technician Register by examination in 2009.

### **Blueprint for the Pharmacists Qualifying Examination (Parts I and II)**

Recommendations for changes to the Blueprint were approved – these changes were informed by the results of a national blueprint survey (conducted in 2009) which was based on NAPRA's *2007 Professional Competencies for Canadian Pharmacists at Entry-to-Practice*.

The attached summary expands on these and other current activities. Thank you to Dr. John Pugsley for preparing and providing the attached PEBC Update.

Respectfully submitted,

Anne Marie Whelan, Pharm.D.  
AFPC Liaison to PEBC



# PEBC UPDATE

Vol. 14 No. 1 March 2010

## 2010 Annual Board Meeting Summary



### INSIDE

*Board Appointments.....1*  
*2010 Executive Committee.....1*  
*2009 PEBC Statistics.....1*  
*PEBC By-Laws Changes.....2*  
*Blueprint for Pharmacy Implementation Steering Committee.....2*  
*Pilot Entry-to-Practice Examination for Pharmacy Technicians.....2*  
*Committee on Examinations.....2*  
*Public Relations Committee .....2*  
*Board Meetings.....2*

The Pharmacy Examining Board of Canada held its 2010 Annual Board Meeting on March 6, 2010 in Toronto. Standing committees met over the 3 days preceding this meeting. The following are highlights of issues addressed and recommendations made by the Board. For further information, you may contact Board appointees, the President, Peter Gdyczynski, or the Registrar-Treasurer, Dr. John Pugsley.

### Board Appointments

New appointments to the Board, taking effect at the close of the Annual Board Meeting are:

**Ordre des pharmaciens du Québec:** Marie Iskandar  
**Newfoundland and Labrador Pharmacy Board:** Karen Mercer  
**Canadian Association of Pharmacy Technicians:** Catherine Schuster  
**Canadian Pharmacy Technician Educators Association:** Patricia Meloche, Beverly Stotz

### 2010 Executive Committee

**President** – Peter Gdyczynski  
**Vice-President** – Tena Taylor  
**Past-President** – Darcy McLurg

**Executive Members:**  
 Trevor Simmons  
 Jeff Whissell

### 2009 PEBC Statistics

#### PEBC Pharmacist Register:

There were 1333 names added to the Pharmacist Register by examination in 2009 (1215 in 2008).

#### Pharmacist Qualifying Examination:

A total of 1977 candidates wrote the Qualifying Examination-Part I (MCQ) in 2009, compared to 1700 in 2008. A total of 1887 candidates took the Qualifying Examination-Part II (OSCE), compared to 1631 in 2008.

There were a total of 8 candidates assessed for non-certification purposes.

#### Pharmacist Evaluating Examination:

There was an increase in the number of candidates writing this examination -1314 in 2008, compared to 988 in 2008.

#### Pharmacist Document Evaluation:

A total of 1178 applicants in 2009 were ruled acceptable for admission into the Evaluating Examination, compared to 1114 in 2008.

#### PEBC Pharmacy Technician Register:

There were 123 names added to the Pharmacy Technician Register by examination in 2009.

#### Pharmacy Technician Pilot Qualifying Examination:

One hundred and fifty three candidates took the Pharmacy Technician Qualifying Examination Part I (MCQ) and Part II (OSPE) in Toronto.

#### Pharmacy Technician Evaluating Examination:

Two hundred and ninety seven candidates wrote the Pharmacy Technician Evaluating Examination in October 2009 at centres in Ontario, British Columbia, Alberta, and Nova Scotia.

## PEBC By-Laws Changes

PEBC received approval from Industry Canada for an application for Supplementary Letters Patent, in order to change the objects of the Board to include membership of pharmacy technicians. Three new positions were created to include two representatives from CPTEA and one representative from CAPT. The Board approved new By-Laws to reflect the changes in the objects of the Board and to incorporate pharmacy technicians into the certification process.

## Blueprint for Pharmacy – Implementation Steering Committee

J. Pugsley has been appointed to the Blueprint for Pharmacy Implementation Steering Committee. Tena Taylor will serve as the alternate. The role of the Steering Committee will be to provide leadership and vision to steer the implementation of the Blueprint for Pharmacy, to set priorities, and to monitor progress.

## Pilot Entry-to-Practice Examination for Pharmacy Technicians

The Pilot Pharmacy Technician Qualifying Examination-Part I (MCQ) and Part II (OSPE) were held on August 29 and 30, 2009, respectively. The examination blueprint was based on NAPRA's *Professional Competencies for Canadian Pharmacy Technicians at Entry-to-Practice*. Participants in the pilot were recruited on the basis of the research design, which included a designated number of new graduates from accredited programs, candidates who had graduated from community and career colleges, and on-the-job trained candidates.

Standard setting workshops for both Parts I (MCQ) and Parts II (OSPE) were conducted in October 2009.

The Pilot Entry-to-Practice Examination Steering Committee met in February to consider the Pilot Pharmacy Technician Qualifying Examination research report and recommendations. The Qualifying Examination-Part I (MCQ) consisted of 200 questions, of which 150 were used to determine the candidates' scores. The Qualifying Examination Part II (OSPE) consisted of 12 stations, which included interactions with standardized clients, non-interactive tasks such as checking prescriptions, and observing and evaluating a video performance on compounding a sterile and a non-sterile product.

The research revealed that the examinations developed were valid and reliable. One assessor per interactive station was determined to be adequate in order to provide a reliable and dependable scoring. It was recommended that the number of examination questions on the multiple-choice examination and the number of stations in the Objective Structured Performance Examination (OSPE) could be reduced. A second pilot is being conducted in March 2010, at two locations in Ontario (Hamilton and Toronto) and one in Alberta (Edmonton). Results from this second Pilot will confirm the proposed reduction in the number of examination questions and stations.

The Pharmacy Technician Qualifying Examination will be held in August 2010 in selected locations in Ontario, Alberta and British Columbia. In March 2011, this examination will also be administered in Nova Scotia.

## Committee on Examinations

At the March 2010 meeting, the Committee on Examinations reviewed the research report of the Pharmacy Technician Pilot Steering Committee and supported the report's recommendations contained in the report, pertaining to the length of the examinations, use of both parts of the examination, and the need for only one assessor in interactive stations. The Committee also recommended changes to the eligibility criteria for admission into the Pharmacy Technician

Evaluating Examination, to include pharmacy technician educators having 2000 hours of work and/or teaching experience in the last 36 months in the field of pharmacy.

The Committee also recommended that international pharmacists who have successfully passed the Pharmacist Evaluating Examination, and pharmacists who have successfully completed an accredited pharmacy degree program in Canada or the United States, be allowed direct entry into the Pharmacy Technician Qualifying Examination.

The Committee approved the recommendations for changes to the examination blueprint for the Pharmacist Qualifying Examination, which will be based on NAPRA's 2007 *Professional Competencies for Canadian Pharmacists at Entry-to- Practice*.

## Public Relations Committee

At the March 2010 meeting, the Public Relations Committee reviewed the PEBC Communication Strategy Plan, which now includes communication strategies for pharmacy technician candidates and educators.

The use of the Pharmacy Technician section on the website will be promoted to stakeholders and potential candidates. A stakeholder pharmacy technician information kit for the pharmacy technician examinations will be developed for distribution to stakeholders.

In Miami, in May 2010, PEBC will be presenting two research papers at the International Ottawa Conference on the Assessment of Competence in Medicine and the Health Professions.

## Board Meetings

The next Board meeting will be held in October, 2010 (Mid-Year and Strategic Planning Meetings). The date of the next Annual Meeting is tentatively set for March 5, 2011, with Committee Meetings preceding.

# **Report – Representative to the United States Pharmacopoeia AFPC Annual General Meeting Richmond, BC, June 3, 2010**

## **Background**

The report highlights some important events at USP, which might have impact on pharmacy education in Canada. I want to encourage every member to get involved with USP. There are different ways to work with USP. One is through their scholarships and visiting programs - see announcement below. Another is to participate as an expert volunteer. If you need any information please contact me: [Raimar@ualberta.ca](mailto:Raimar@ualberta.ca)

## **Highlights of the USP Convention**

In April 2010 USP had its convention in Washington DC. At the convention, USP delegates decide on USP's focus for the next 5 years.

Details can be found at:

<http://www.usp.org/meetings/convention/>

## **Nine new resolutions for the 2010-2015 cycle**

USP made important changes to its constitution and expert committees. The new resolution can be found here:

<http://vocuspr.vocus.com/vocuspr30/ViewAttachment.aspx?EID=2WSh2u7neSplu2bXW1HJ5fdKKS1pLXHKD5QxDLakPwU>

## **2010–2015 OFFICERS AND TRUSTEES**

A list of the Officers and Trustees can be found here:

<http://www.usp.org/pdf/EN/members/2010-2015-OT.pdf>

## **2010–2015 Council of Experts**

Dennis K. J. Gorecki, Ph.D was elected as chairman for the Dietary Supplements Expert Committee. The list of elected experts can be found here:

<http://www.usp.org/pdf/EN/members/2010-2015-COE.pdf>

## **USP Fellowship**

USP is accepting applications for the 2010-2011 USP Fellowship Program. USP will select four finalists for the traditional \$25,000 Fellowship Awards. For the first time, the program will be expanded to include a new \$50,000 Research Fellowship Award, to be presented to the student(s) whose proposed research directly addresses a specific USP scientific or research need. For more information and to download the application form, go to

<http://www.usp.org/aboutUSP/careers/fellowship.html>. The application deadline is June 18, 2010.

## **USP Webinars**

USP provides members the opportunity to get information about revisions and planned changes to important chapters.

USP conducts live Webinars on the proposed revisions to help health professionals understand the rationale behind the effort to revise certain chapters, describe key revisions and their impact on industry, and choose appropriate control strategies. For more information go to:

<http://www.usp.org/education/pe/courses.html>

Respectfully submitted,  
Raimar Loebenberg

**ASSOCIATION OF FACULTIES OF PHARMACY OF CANADA**  
**Annual General Meeting, June 3, 2010**  
**River Rock Resort and Hotel**  
**Richmond, BC**

**EXECUTIVE DIRECTOR'S REPORT:**

I have mixed feelings as I begin this year's report of activities for 2009-2010. Having served in this office for the past seven years, it is surprising to me just how quickly the time has passed. In being engaged in the activities of a profession for which I have a great deal of passion and working with colleagues that I most highly regard, it has been a distinct pleasure for me to have served as your executive director.

In retiring from this position, I can only hope that I served you well and that I may have contributed in some small measure towards making a positive difference to the profiles and accomplishments of both AFPC and ADPC. An organization is only as good as its people and I have had the pleasure of working with some outstanding and committed individuals during my tenure. It is in my report that I try to recognize council members and other committed faculty members for the important work that they do to promote and advance academic pharmacy in Canada.

Before I do that, it is my privilege to recognize your new Executive Director, Dr. Harold Lopatka. Harold is an academic who brings to AFPC a whole new skill set by his having considerable expertise as a consultant and leader in many health related fields including pharmacy. He is well known throughout the health industry and I believe that he is capable of effectively guiding AFPC and ADPC to take on the leadership roles so important to implementing academic commitments to the Blueprint for Pharmacy.

Changing the culture and confidence of the profession to take on the innovative roles that we foresee for pharmacy in healthcare, most effectively starts in the classroom. To meet that challenge, academic pharmacy must work together through our organizations to implement programs within the Faculties that will facilitate the desired changes in our graduates. Having the leadership skills that Harold brings to the position will be a great asset to both AFPC and ADPC as they set about to meet the new challenges of the Blueprint. I wish him every success.

**AFPC Finances:**

The finances of the Association are still in reasonably good shape although we have had a series of deficits in recent years. The overall economic downturn and the softening of support from the pharmaceutical industry are but a part of the problem. Expenses for travel to meetings continue to rise and our educational outcomes project, in particular, has gone well over budget. The change of the executive director position this year is also a factor affecting the 2010 budget. The formula for the annual fee statement for Faculty membership has gone unchanged over the last seven years. Increasing enrollments have meant some increase in income from this source but enrollments for the most part are now leveling off. With the new executive director coming on board it would appear fitting and sensible for the Deans to revisit the fee structure and to make adjustments based on their expectations for the goals and future functions of ADPC and AFPC.

For the most part the conference has been a relatively good source of income. Except for the Chicago meeting, where sponsors from the Canadian pharmaceutical industry went south on supporting AFPC, sponsorship for the conference in recent years has been relatively good. Registration numbers for the conference are also increasing and we hope that trend will continue. AFPC has committed to making the conference relevant to a wider source of potential delegates and to bring our conference attendance up. Partnering with the pharmacy technician educators group is part of that strategy and the next few years should indicate if this approach is realistic in expanding the interest in our conference.

Affiliate membership continues to dwindle, in part, due to mergers and the economic circumstances that the industry is currently facing. The banner stores are a major disappointment in this area with only a handful committing to membership in spite of there being major beneficiaries of academic pharmacy activities. A strategy that AFPC might consider is investing in a one week blitz of the industry in Toronto and Montreal to reintroduce AFPC to company executives and to promote the benefits of being an affiliate member of AFPC. It is these memberships that provide a valuable source of discretionary funds to carry out special projects.

**Expenses:** Under expenses this year I need only speak to one issue and that is the overrun for the educational outcomes project. When this project was initially approved in 2008 it seemed relatively straightforward with costs related to the consultant and expenses for the task force to hold meetings. In reality the project turned out to be far from straightforward and expenses ballooned to almost double the original estimate. In spite of the added expense, I believe that most of our members would consider the extra money well spent in producing an educational outcomes document that will be a strong guiding force to innovative curriculum development now and into the future. My hope is that the Deans group will share this opinion and help AFPC deal with the shortfall that was created through this valuable and necessary activity.

Finally on finances, I wish to recognize the valuable input and guidance provided to me for many years by Roy Dobson and more recently by Bev Allen as chair of the planning and finance committee. They have been very supportive and for that I am indeed grateful.

**AFPC Awards:** Mary MacCara continues to do an outstanding job of the awards committee. The committee on awards is one of our busiest committees and the workload continues to grow. This will be the third year that Mary has served as chair of the awards committee and it may be time that we give her a sabbatical, but that will be for Mary to decide. Under her direction the awards committee has functioned efficiently with decisions being made in a timely manner, without conflict and always with the highest integrity. The awards book has been tuned up and several new awards have been crafted for the recruitment of sponsors. It has certainly been my pleasure to work with Mary on this committee.

The committee was a bit shocked last fall when Wal-Mart Canada decided to withdraw support for the Future Academic Leader Award after but two years of award sponsorship. AFPC had hoped to emulate in Canada the success that AACP has enjoyed for several years with a similar award sponsored by Walmart in the United States. We must respect the decision of Wal-Mart Canada but we should also begin searching for a new sponsor for the Future Academic Leader Award. In the two years that the award was active, I was very impressed with the response by applicants and the benefit they expressed of having learned significantly about pharmacy academia through this award.

On the positive side, the Canadian Foundation for Pharmacy appears to be happy with the new best publication award by a graduate student in pharmacy practice research. This PPR award provides a nice balance to the GlaxoSmithKline Graduate Student Research Award that is almost consistently awarded to a student in the basic sciences.

This will be the first year that AFPC will give out the AFPC Woods-Hughes Special Service Award. It is not surprising that this award, named after cofounders of CCPF later to become AFPC, will initially be presented to individuals who have so faithfully served AFPC through membership on Council, through their exceptional committee work and by representing AFPC on key stakeholder committees in leadership roles. Too often, these individuals are not sufficiently recognized for these contributions within their own Faculties and AFPC hopes this service award will compensate a bit for their outstanding contributions towards academic pharmacy in Canada.

Overall, the awards program of AFPC continues to be healthy based on the number of applications that are now received for most of the awards. AFPC also enjoys having a generous number of faculty members who donate their time and talents to provide the necessary review of the applications. I would like to join awards committee chair, Mary MacCara in expressing our sincere appreciation for their help.

**AFPC Blueprint for Pharmacy Activities:** This year the Blueprint for Pharmacy has significantly engaged both AFPC and ADPC in setting priorities on BP recommendations and taking first steps towards implementation. Almost one year ago, AFPC Council members, the Deans of Pharmacy and representatives from PEP Canada met in Halifax for an intensive but productive meeting to deal with the recommendations of the Blueprint working groups. Of the thirteen initiatives from the Education and Continuing Professional Development working group, five were identified for a leadership role by ADPC/AFPC. Preliminary action plans were then developed with the top priority being the core pharmacy curriculum. The group, in principle, agreed to endorse the Pharm D as the entry to practice degree for all Canadian Faculties and to be accredited under the entry level Pharm D standards by the year 2020. David Hill (then CCAPP Executive Director, incoming Dean at the University of Saskatchewan and chair of the Blueprint for Pharmacy) was asked to draft a position statement on the need to upgrade the core pharmacy curriculum and the decision to support the entry level Pharm D degree. The report from this planning session was forwarded to CPhA as evidence of ADPC/AFPC progress in dealing with the recommendations of the Blueprint for Pharmacy.

At the Deans business meeting in Charlottetown in October 2009, the entry level Pharm D was unanimously endorsed by all ten Faculties, Colleges and Schools of Pharmacy but the timing of the degree implementation was still an uncertainty. David Hill presented a draft version of the position statement and feedback of the Deans was requested on the wording prior to presentation to AFPC Council at the midyear. At the midyear meeting of ADPC, February 4-5, 2010 in Toronto, David Hill presented a revised version of the statement that adopted a single motion for all pharmacy faculties to have a doctor of pharmacy curriculum in place by 2020. With some further editing regarding the length of program, the Position Statement and Joint Resolution on the Doctor of Pharmacy (Pharm D) for the First Professional Degree at Universities in Canada was approved by ADPC and subsequently by AFPC Council at their midyear meeting on Feb. 6-7, 2010. Further action on the position statement awaits the decision of the Deans.

In support of the Blueprint for Pharmacy Implementation Initiative, ADPC at their annual meeting in October voted to support funding for the national coordinating office on behalf of both ADPC and AFPC. David Hill (backup Henry Mann) agreed to represent ADPC on the Blueprint Implementation Steering Committee and Zubin Austin (Toronto) and backup Lalitha Raman-Wilms (AFPC President Elect) agreed to represent AFPC. Dennis Gorecki, former Dean at the University of Saskatchewan is the chair of the Steering Committee and at least two meetings have taken place. With all these activities related to the Blueprint, it seems fitting that this year's conference theme is "Bringing the Blueprint to Life". No doubt, next year's report of the executive director will have new information on the Blueprint for Pharmacy.

**AFPC Communications:** Ever since the management of the AFPC web site was transferred to a Vancouver firm in 2008, costs have risen without significant improvement to the look and function of the web site. The French version of the site continues to be badly out of date, as are some of the English language sections. The crux of the matter is funding. Significant costs were proposed for revamping the web site and to teach contributors how to upload and edit the site. Because of our current budget restrictions, a one-time extensive investment in the web site continues to be put off until suitable funding becomes available.

With the office of AFPC moving to Edmonton, decisions will need to be made about the location and operation of the web site. If site management remains in Vancouver, some editing is possible, which I now do as executive director, but a large part of the site cannot be accessed without the input of the current manager. For these tasks, there is a relatively steep hourly cost. An alternative to the current web site arrangement was evaluated last year but this too appeared to be prohibitively expensive. Unfortunately I can only recommend that a solution to the web site dilemma should be an immediate priority of Council.

We are making progress on one front related to the AFPC web site and that is the directory of researchers. A database on research faculty was created about 4-5 years ago, thanks to the work of Sylvie Marleau while she served on council. Unfortunately, the database was rarely updated and research categories did not always function to identify the appropriate individuals. This past year, Sylvie has returned to council on a temporary basis and has set about single handily to revise the research database and to include information on teaching expertise as well. It is my understanding that most of this work required Sylvie to personally contact members in the database. Sylvie is to report to council on this project at the meetings in June.

Rebecca Law continues to be the editor of our newsletter and we are grateful for such dedication. Council may want to revisit the frequency and format of the newsletter as part of AFPC strategic planning. The communications committee is now in the capable hands of Siliva Alessi-Severini.

**AFPC Conferences:** I am not going to detail the Conference Events as in past years but I do need to complement the host Faculties for their sincere efforts to hold an outstanding conference. With each yearly event, I feel that the interest among faculty members continues to grow and certainly we have seen a healthy activity in presenting posters. The latter seems true whether AFPC meets jointly, as in this year with CSPS, or when the conference is entirely on its own, as in Halifax in 2009. Showcasing the teaching and research of the host Faculty at the conference has strong appeal to local faculty members but is also a good draw for others to learn of the latest Faculty developments.

The pharmacy practice research session in the conference has been a feature that I have strongly supported and one that I hope will continue into the future. This discipline is one of the unique few to pharmacy and AFPC should do its part to support and nurture the science.

The AFPC education committee has taken on the responsibility of identifying themes for upcoming conferences, suggesting alternative program delivery methods and to broaden the audience appeal of the conference. It was this committee that proposed a name change of the AFPC annual conference to: “Canadian Pharmacy Education and Research Conference” (CPERC). This was approved at the AGM in Halifax in 2009.

Having taken the liberty to state my opinions on the conference let me now write that the 66<sup>th</sup> AFPC annual conference “Affecting Change: From Academia to Practice” was held June 3-5 at the Lord Nelson Hotel in Halifax. Attendance was exceptionally good with 100 registrants for the conference. More than 40 abstracts were presented as posters and Dalhousie faculty had the opportunity to showcase many of their educational initiatives and innovations. The conference concluded with a well-attended awards banquet made special by being held at Pier 21 where many newcomers to Canada arrived by ship. Dalhousie College of Pharmacy Director Rita Caldwell and all her faculty and staff are to be heartily congratulated for the planning and execution of such a successful conference. Anne Marie Whelan and Harriet Davies deserve special thanks as conference chairs.

Having the AFPC 67<sup>th</sup> annual conference in Vancouver (Richmond), now called the CPERC has meant that I have come full circle. In the first year of my tenure as executive director, the 2004 AFPC conference was held in Vancouver and Simon Albon was conference chair. AFPC also met jointly with CSPS in that year. When Ingrid Price was injured in 2009, Simon took on the responsibility of the chair and it has been my delight to be able to work with him again. The host Faculty at UBC has been fully supportive of CPERC and Dean Bob Sindelar has encouraged everyone to participate. I believe that we should expect another excellent conference in 2010.

#### **AFPC Educational Outcomes Project:**

In the latter part of 2008, the educational outcomes project was contracted to Winslade Consultants Ltd of Pointe Claire, Quebec and supported by a task force group made up of Tom Brown (Toronto), Claude Mailhot (Montreal), Terri Schindel (Alberta) and Nancy Waite (Waterloo). Estimated to be an 18 months project, the end product (an updated educational outcomes document supported with levels and ranges) from the task force was to be made available for approval at the 2010 AFPC annual general meeting in Vancouver. To arrive at this endpoint has been a bit more difficult than anticipated.

The task force was originally charged with revising the educational outcomes for the BSc degree, to update the entry level Pharm D (ELPD) outcomes of 2007 and provide a levels and ranges document that would help distinguish between the two degree programs. After the first meeting of this committee, Nancy Winslade reported to AFPC at the midyear meeting in Montreal in 2009 that the task force was wrestling with the need to prepare two educational outcomes documents. They felt one document would suffice for both programs. Finally, after the Blueprint meeting in Halifax where the commitment was made to move towards the ELPD, the Deans at their annual meeting in PEI in October, 2009 agreed that there should only be one educational outcomes document for the first professional degree in pharmacy.. The levels document for the educational outcomes would be used to differentiate between a BSc or ELPD.



Prior to the Deans meeting, a first draft of the educational outcomes had gone out to the Faculties for review and I do not recall any prior document from AFPC that has undergone the degree of scrutiny and generated such extensive feedback. Contentious issues, that have now been resolved, included the clarification between dispensing and distribution of drugs and explicit reference has now been made to the role of graduates in managing both pharmacy staff and distribution systems. The CanMeds format was used for the new document but supplemented with pharmacy specific language. The central educational outcome was to graduate medication therapy experts. Patient care was emphasized throughout the document. Seven educational outcomes have been identified, the integration of which should prepare university educated citizens who are capable of practicing pharmacy. In order, the educational outcomes are: Care Provider, Communicator, Collaborator, Manager, Advocate, Scholar and Professional.

The document has gone to stakeholders for input and to the Faculties for final review. Council was to decide next steps at the annual meeting on June 2. Also provided at this time is a draft of the levels document that sets three levels of performance expectations for each global educational outcome: Below Level of Performance; Expected Level of Performance; Above Level of Performance. Example behaviours are given for each. Feedback has been minimal at the time of writing this report and council will again have to decide how much more work needs to be done on this document and who will do the work.

AFPC needs to sincerely congratulate the task force for their time and dedication to this important project. The thought and attention to detail that has gone into this document has not been easy. However, for that work, we now have a document on educational outcomes that will help guide pharmacy education in Canada for many years to come. Several Faculties have been using the draft document as they revitalize their curriculum designs.

I would also say that we could not have made the progress achieved without the leadership and contribution of our consultant, Nancy Winslade. Nancy has wide experience complimentary to this project in having helped related health professions with educational outcomes and with pharmacy stakeholder organizations such as NAPRA on model competencies to practice. We were fortunate to have her guiding hand on this most important project for academic pharmacy.

#### **AFPC Pharmacy Experiential Programs of Canada (PEPC):**

Wanda Spurrell (Memorial) and Harriet Davies (Dalhousie) currently co-chair this energetic and engaged group that is working hard to further the quality and quantity of experiential programs in all Provinces of Canada and even outside the Country. PEP Canada provided feedback to the educational outcomes project, continues to faithfully make presentations at the AFPC annual conference, and recently participated in a CSHP & ADPC facilitated session on pharmacist student experiential education, held February 3<sup>rd</sup> in Toronto.

PEP Canada meets annually during the AFPC Conference and holds several teleconferences during the year. Business items include: updates and sharing of practices regarding experiential learning programs, including policies and procedures in administration of structured experiential education programs; processes for placements out-of-province; possible reciprocity for student interns; examination of options for Preceptor Education; and strategic planning with the setting of direction and priorities for the year.

The group deserves to be congratulated for their ability to work together and their willingness to share information and for the most part they carry out their tasks without significant financial

burden to AFPC. I do think, however, that the group might revisit their mandate when the group was first formed in 2006. Priority items were to produce guidelines for standardizing SPEP programs across Canada and to create preceptor training programs that would also lead to accepted standards within the Faculties. My suggestions are not to put down the good work that has already been done by PEP Canada but I think it is time for this group to take their activities to the next level and begin to work even more effectively as a national body of experiential educators. Discussions with AFPC council on future directions might prove fruitful.

**ADPC and CSHP:** On February 3, 2010 ADPC held a joint meeting with the executive of CSHP, representatives of PEP Canada and several Hospital Pharmacy Directors on the final day of the PPC conference in Toronto. This meeting was an all-day facilitated session by Karen Graham of Panacea Canada Inc with the major theme on experiential education for pharmacists in the institutional setting. Preceptor development and support, the use of innovative models of teaching, the development of resource capacity and the need for a cultural shift in the teaching and training of pharmacists were the major workshop discussion items. Implications of introducing the entry level Pharm D program to this environment was an integral part of the discussion. The report of the meeting contained five major recommendations for action.

At the recent CPhA meeting in Calgary CSHP and ADPC held a meeting to begin taking action on the recommendations contained in the February workshop report. While notes on the most recent meeting are not yet available one recommended action item is to survey the Faculties on the cultural change of preceptors within institutional practice. One to one preceptor to student training is no longer a priority. A funding strategy to support the activities of this committee is also taking shape.

#### **AFPC Program Evaluation:**

Since the work of this committee began in 2006, a remaining priority was to have the guide and process tools readily available on the AFPC web site for access by faculty individuals conducting program evaluation. A sharing of experiences on the web site from those who have completed projects in program evaluation was thought to be highly beneficial for those individuals contemplating program evaluation in other Faculties of Pharmacy. A proposal to create this access was obtained from the AFPC web site management company and discussed at the 2009 Annual Council Meeting in Halifax. With the current resources of Council, this project was put on hold. Committee chair Ingrid Price, then proceeded to work on her own to create the web site material but a serious accident to Ingrid again delayed progress. Ingrid is now back on track with the web site proposal and we should hear about latest developments at the annual meeting in June.

#### **AFPC/ADPC pharmacy stakeholder initiatives and other external organizations:**

Following the midyear meeting of AFPC in Toronto in February of 2010 AFPC President Mike Namaka and Executive Director Frank Abbott visited AstraZeneca Canada Inc., GlaxoSmithKline and Janssen Ortho to thank these companies for the support they provide to our awards program and for sponsoring other AFPC activities. Our meetings were well received and it gave us an opportunity to communicate to our stakeholders many of the initiatives that AFPC is currently pursuing.

Susan Mansour (Dalhousie) has been elected to serve a second term as AFPC representative to CCAPP and Lavern Vercaigne (Manitoba) a second term on PEBC. Andrea Cameron (AFPC Council Member for Toronto) has agreed to represent AFPC at general meetings of the Canadian

Patient Safety Institute (CPSI). Rita Caldwell, Director, College of Pharmacy, Dalhousie University previously held that position.

On April 8, 2010, the National Association of Pharmacy Regulatory Authorities (NAPRA) hosted an information and feedback session on the International Pharmacy Graduates' (IPGs) Gateway to Canada project. Your executive director attended this one day meeting in Ottawa.

**ADPC:** Three new deans were in attendance at the 2009 **annual meeting** that was held in Charlottetown, PEI, October 3-5, 2009: James Kehrer (Alberta) David Hill (Saskatchewan), and Henry Mann (Toronto). At the meeting, David Hill was chosen to take over the position of treasurer formerly held by Dennis Gorecki. David Collins agreed to be the new ADPC representative to AFPC and replaces Linda Hensman who has completed her 2-year term.

Stakeholder meetings in PEI included Deb Saltmarche, Vice President Pharmacy Affairs of the Canadian Association of Chain Drug Stores who presented on the Pan-Canadian Network to Define and Fund Pharmacy Services. The ultimate goal is a transition strategy to move towards a new funding model for enhanced pharmacy services.

Russell Williams, President of Canada's Research Based Pharmaceutical Companies (Rx & D Canada) spoke to the Deans on current Rx & D initiatives and indicated a renewed interest of the pharmaceutical industry to collaborate with academia in both education and research.

Other stakeholder meetings took place at the **midyear meeting** in Toronto in February. Art Whetstone, Executive Director, CCCEP – Draft Policy on the Accreditation of Certificate Programs and the Summit Meeting on Continuing Practice Development Supporting Practice Change and Continuing Competence – a Blueprint initiative.

Laszlo Endrenyi, President of CSPS and Rav Kumar, Past President of CSPS gave an update on CSPS initiatives and long-term goals of the organization. The merits of Faculty and individual membership in CSPS were discussed.

Bruce Good, Vice President Partnerships and Communications: Canada's Research Based Pharmaceutical Companies gave a presentation on Rx & D International Report on Access to New Medicines. Funding opportunities for the Faculties and better connections of Rx & D to the Faculties were discussed.

Deb Saltmarche, VP Pharmacy Affairs, CACDS – Update on the framework for the Pan-Canadian network on enhanced pharmacy services.

**Thank you and goodbye:**

In this my seventh and final year as Executive Director of AFPC/ADPC, may I once again express my sincere thank you and appreciation to the Council and Executive of AFPC and the Executive of ADPC for their generous support and help during a busy year. It has been my pleasure to work closely with both President Mike Namaka of AFPC and President Jake Thiessen of ADPC. Both presidents provided me excellent leadership and support. On the one hand I am looking forward to transferring my duties to Harold Lopatka but on the other I am going to miss the energy and excitement of this organization as the profession of pharmacy moves forward. Thank you for having me as your executive director and my very best wishes for the future.

Respectfully submitted,  
Frank S. Abbott, PhD, May 31, 2010

**Association of Faculties of Pharmacy of Canada**  
**Annual Meeting**  
**June 3, 2010 – Vancouver, BC**

**Executive Director Search Committee Report**

With the planned retirement of our current Executive Director (ED), Dr. Frank Abbott scheduled for the summer 2010, the search for a new ED began in earnest following the Halifax conference (June 2009). Documents including job description, advertisements and interview guide were prepared with the help of Anne Marie Whelan (Dalhousie) and circulated by the search committee. The search committee consisted of Roy Dobson, Mike Namaka, Lalitha Raman-Wilms, and David Collins.

At the AFPC mid-year meeting in February 2010, Dr. Namaka reported that a number of applications had been received, including a number of excellent candidates. Due to a potential conflict of interest, Drs Namaka and Collins requested and were allowed to step down from the search committee. Dr Theissen (University of Waterloo) joined the committee as the Deans' representative. The members of the reconfigured committee (Drs Raman-Wilms, Dobson and Theissen) agreed to each rank the candidates independently and to reconvene to finalize a "short list" of candidates that might be interviewed for the position. Arrangements were made to interview the selected candidates via teleconference in April

Following the candidate interviews, the committee reconvened via teleconference and made its recommendation to the Council Executive that Harold Lopatka be offered the position of Executive Director. We are please to inform Council and the AFPC membership that Dr Lopatka has accepted the position to begin June 2010.

Respectfully submitted

Mike Namaka  
President

Lalitha Raman-Wilms  
President-elect

Roy Dobson  
Past-president