

# PART 1.0

## AFPC/CCCP ANNUAL CONFERENCE 2003

### MONTRÉAL, QUÉBEC

MAY 29 – JUNE 1, 2003

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## ***WORDS OF WELCOME***

***From President Lavern Vercaigne:***



On behalf of the AFPC Executive and Council, I am pleased to welcome all of you to the AFPC Annual General Meeting in conjunction with CCCP. Chairperson Jacques Turgeon and the entire program committee have put together an excellent schedule of both educational and social events. I hope you enjoy the speakers, presenters, posters and discussions from the educational workshops highlighting student professionalism and information technology. Please join us at the award and poster presentations to acknowledge the outstanding research work within our Faculties across Canada. I hope you will also join us for the Joint AFPC/CCCP Symposium on Sunday morning showcasing the application of evidence based medicine to pharmacy research and clinical practice.

Please also take the opportunity to enjoy Montréal and the planned social events. I'm looking forward to meeting with old friends and colleagues throughout the weekend and I hope you have the opportunity to do the same! All the best.

Lavern Vercaigne, Pharm D  
President, AFPC (2002 – 2003)

***From Jacques Turgeon, Doyen et président, comité organisateur local***



Chers collègues et amis,

C'est avec un immense plaisir que je vous souhaite, au nom du comité organisateur, la bienvenue au congrès de l'Association des Facultés de pharmacie du Canada (AFPC) organisé conjointement avec le Collège canadien de pharmacie clinique (CCCP) et en partenariat avec la Société canadienne des sciences pharmaceutiques (CSPS)

Dear colleagues, my warmest welcome to Montréal to the third joint AFPC-CCCP meeting, organised in partnership with CSPS. A great conference has been planned for you with topics covering all fields

of activity in the pharmaceutical arena. This should provide you with state-of-the-art lectures and opportunities to learn about innovations in teaching, clinical practice and research. The meeting also offers you a good blend of activities that shall promote interactions between your academic, government, industry and clinical colleagues.

This year's program has been developed by a fantastic group of colleagues from the local organizing committee. Thanks to Sylvie Marleau, Claude Mailhot, Pierre Moreau, Marie-Claude Binette, Marie-Claude Vanier and Guylaine Bertrand. Many thanks to Jim Blackburn, to Dr. Glen Pearson and Dr. Elizabeth Vadas. And at last but not least, many, many thanks to Guylaine Rocque from Merck frosst for several hours involved in the preparation of this conference.

As well, I would like to thank the sponsors who have assisted us with this conference. My special thanks to Ginette Bernier from Merck Frosst and France Migneault from Janssen Ortho. Without their support the organization of a quality meeting would be much more difficult.

Once again, on behalf of the organizing committee, I wish you a great meeting! A meeting to remember, Montréal.

Je nous souhaite donc tous une excellente rencontre scientifique.

Sincerely,

Jacques Turgeon, B.Pharm., Ph.D.  
Doyen et président, comité organisateur local



Montreal, May 29, 2003

Dear Registrant:

On behalf of the Canadian College of Clinical Pharmacy, I would like to welcome you to the Joint Conference of AFPC and CCCP in Montreal! We are excited to be holding this joint meeting for the third time since 1999, as many issues are common to both groups.

The program committee for both CCCP and AFPC has done an outstanding job in planning a conference, which will integrate interests of both clinicians and the academic community. Leading into the program will be a debate on Thursday night, looking at the ethics of technology and gene therapy for a new millennium. On Friday will be the joint session program for AFPC/CCCP, with the morning focusing on student professionalism and raising awareness. The afternoon will follow with sessions highlighting the promotion of civility in pharmacy education and academic honesty and dishonesty in Canadian pharmacy. On Saturday, the CCCP sessions will concentrate on various therapeutic areas including estrogen therapy, novel antithrombotic options for the management of heparin-induced thrombocytopenia (HIT), controversies in DMARD therapy, and human recombinant activated protein C for the treatment of severe sepsis. In addition, we have added a new session to program entitled "*Significant Papers in Pharmacotherapy*"; evidence-based reviews and state-of-the-art, expert analysis of selected original papers recently published which are likely to have a significant impact on the practice of clinical pharmacy in specialty areas will be presented. That evening, the AFPC/CCCP Banquet will be held at the Université de Montréal. The conference will conclude with our annual Evidence Based Medicine Workshop, which is combined with the AFPC Practice Research Forum. There are also satellite breakfast symposiums on both Saturday and Sunday morning.

This year has been a busy one for us on the CCCP executive, from planning the annual conference to continuing with the goals and objectives set up from the strategic planning session a few years ago. We hope to be able to share with you some of these activities, as well as, hear from you at the annual general meeting over lunch on Saturday.

I sincerely that hope you enjoy the program and the opportunity to meet with your colleagues from across the country.

I would like to thank the many people who organized and the sponsors who supported this conference.

I look forward to meeting all of you.

Sincerely yours,

Glen J. Pearson, BScPhm, PharmD, FCSHP  
President, Canadian College of Clinical Pharmacy (CCCP)

## ***PROGRAM COMMITTEE / COMITÉ DU PROGRAMME***

***Guylaine Bertrand***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Nadia Benzrihem***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Marie-Claude Binette***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Lisa Dolovich***

ST. JOSEPH'S HOSPITAL  
CENTRE FOR THE EVALUATION OF MEDICINES,  
HAMILTON ON

***Lyne Lalonde***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Claude Mailhot***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Sylvie Marleau***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Pierre Moreau***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Marie –Claude Vanier***

FACULTY OF PHARMACY  
UNIVERSITÉ DE MONTRÉAL

***Natalie Kennie***

ST. MICHAEL'S HOSPITAL  
TORONTO, ON

***Shallen Letwin***

FRASER VALLEY  
HEALTH AUTHORITY  
ABBOTSFORD, BC

***Glen J. Pearson***

UNIVERSITY OF ALBERTA  
EDMONTON, AB

***Scot Simpson***

INSTITUTE OF HEALTH ECONOMICS,  
EDMONTON, AB

***Nese Yuksel***

CAPITAL HEALTH REGION  
EDMONTON, AB

***Guylaine Rocque***

MERCK FROSST CANADA LTD.  
KIRKLAND, QUÉBEC

# AFPC/CCCP CONFERENCE 2003

## ***STUDENT PROFESSIONALISM: BRIDGING THE GAP BETWEEN KNOWLEDGE AND ETHICS***

**May 29 – June 1, 2003**

**Delta Centre-Ville, Montréal**

**This conference is being held in the same location as the CSPS Conference and everyone is encouraged to register for both meetings. Please refer to the CSPS web site (<http://www.ualberta.ca/~csp>) for CSPS conference information**

### **THURSDAY, MAY 29**

**8h30 – 17h00 – AFPC Executive and Council Business Meeting**

**16h00 – 18h00 Registration**

**18h00 Conference Opening:**

**Jacques Turgeon, Doyen, Université de Montréal**

**Glen Pearson, President, Canadian College of Clinical Pharmacy**

**Lavern Vercaigne, President, Association of Faculties of Pharmacy of Canada**

***Pros and Cons: “Looking at the ethics of technology and gene therapy for a New Millennium”  
(Bartha Knoppers and Mylène Deschenes)***

**19h00 Dinner (buffet style)**

### **FRIDAY, MAY 30      Joint AFPC/CCCP Program**

**7h00 – 8h30 AFPC/CCCP Poster Session, Exhibits & Continental Breakfast**

**8h30 – 12h00 AFPC/CCCP Teachers’ Conference Workshop # 1  
“*Student Professionalism: Raising Awareness*”**

- **Workshop Leaders:**
- **Robert Beardsley, Ph.D., Professor and Associate Dean, School of Pharmacy, University of Maryland**
- **Dana P. Hammer, Ph.D., R.Ph., Director, Bracken Pharmaceutical Care Learning Center, School of Pharmacy, University of Washington**

**10h-10h15: Coffee break**

**12h00 – 13h30 AFPC/CCCP POSTER SESSION WITH APRON LUNCH**

**13h30 – 15h30 AFPC Teachers' Conference Workshop # 2**  
*“Promoting Civility in Pharmacy Education”*

- **Speaker: Bruce A. Berger, Ph.D., Head and Professor of Pharmacy Care Systems, School of Pharmacy, Auburn University**

15h30-15h45: Coffee break

**15h45-17h00:** *“Academic Honesty and Dishonesty in Canadian Pharmacy: Results of a pilot study”*

- **Speaker: Zubin Austin, BScPhm, MBA, MIS, Ph.D., Assistant Professor, Leslie Dan Faculty of Pharmacy, University of Toronto**

*Free evening to enjoy the restaurants and entertainment of North America's most exciting city!*

## **SATURDAY, MAY 31 – AFPC & CCCP HAVE SEPARATE PROGRAMMING**

### **AFPC PROGRAM**

Program: Teachers' conference III, AFPC Annual General Meeting (AGM), Award Presentation, AFPC Banquet

**8h30-12h00: Teacher's conference theme: *New technology in teaching. Where are we? Where are we going?***

**8h30-9h45: Conference - Title: *“The impact of information and communication technology on learning and achievement in higher education”***

- **Speaker: Thierry Karsenti, Ph.D., Canada research chair in technology and education, Faculty of Education, Université de Montréal**

9h45-10h00: Coffee break

**10h00-12h00: Conference - Title: *“Applying technology to teaching and learning: experiences from Shenandoah University School of Pharmacy”***

- **Speaker: Evan Robinson, Ph.D., R.Ph., Director, Division of Technology in Education, School of Pharmacy, Shenandoah University**

**11h30 – 13h45 AFPC ANNUAL GENERAL MEETING & LUNCHEON**

**14h00 – 17h00 AFPC AWARD RECIPIENTS PRESENTATIONS**

*Janssen-Ortho Research Award Recipient*

*Bristol-Myers Squibb National Award of Excellence Recipient*

*AstraZeneca New Investigator Research Award Recipient*

*GlaxoSmithKline Graduate Student Research Award Recipient*

15h30-15h45: Coffee break

## **CCCP SATURDAY PROGRAM**

7h00-8h30                    **Breakfast Symposium**

8h30-8h35                    **Opening Remarks**

8h35-9h35                    *Keynote Address*

*Estrogen Therapy: From Research to Patient Care*

**Mary Beth O’Connell, PharmD, BCPS, FSHP, FCCP**

**ACCP President**

10h00-10h45

*New/Novel Antithrombotic Options for the Management of Heparin-Induced Thrombocytopenia*

**Tammy Bungard, BSP, PharmD**

10h45-11h30

*Controversies in DMARD Therapy*

**Carlo Marra, BSc(Pharm), PharmD, FCSHP**

11h30-13h30

**Lunch / Annual General Meeting**

13h30-14h15

*Drotrecogin alpha (Recombinant Human Activated Protein C) for the Treatment of Sepsis*

**Clarence Chant, BScPhm, PharmD, BCPS**

14h15-15h00

*Significant Papers in Pharmacotherapy*

14h15-14h30                    *Ambulatory Care*

14h30-14h45                    *Pharmacoeconomics*

14h45-15h00                    *Cardiology*

15h00-15h15                    *Infectious Diseases*

15h15-15h30                    *Psychiatry*

15h30-15h45                    *Endocrinology*

## SATURDAY, MAY 31 EVENING – AFPC/CCCP

18h00 **BUS TRANSPORTATION FROM HOTEL TO UNIVERSITÉ DE MONTRÉAL**

19h00 **AFPC/CCCP BANQUET, Hall d'honneur, Université de Montréal**

*reception, awards ceremonies,*

*special entertainment –*

19h00-19h30 : Cocktail and Dance Show «Les bons diables» : 30 min (K-500)

19h30-23h30 : Dinner and Talks in the Hall d'honneur (Traiteur : Agnus Dei)

## SUNDAY, JUNE 1

**8h30 – 12h00 JOINT AFPC/CCCP SYMPOSIUM:**

**APPLYING EVIDENCE-BASED PRACTICE SKILLS TO RESEARCH ON PHARMACY PRACTICE**

**Objectives for the plenary:**

- To present past and current pharmacy practice research in Canada;
- To appraise these studies using an evidence-based approach;
- To discuss areas of interest for future research.

**Objectives for the oral presentations (10 minutes/presentation):**

- To share practical experiences on the implementation or evaluation of evidence-based clinical practice (EBCP) of pharmacists in Canada.

**Objectives of the concurrent sessions:**

- To facilitate integration of EBCP concepts in participants in specific pharmacy fields;
- To provide an overview of how evidence-based skills are taught in Canadian schools of pharmacy.

**PROGRAM:**

8h30 – 8h40 Introduction

***Focus: pharmacy practice research***

8h40 – 9h20 Plenary: Applying the principles of evidence-based medicine to pharmacy practice research

*Lisa Dolovich PharmD MSc; McMaster University)*

**9h20 – 10h20 Oral presentations from selected submitted abstracts on the implementation or evaluation of pharmacy practice (5 presentations)**

10h20 – 10h40 Break

***Focus: evidence based clinical practice***

**10h40 – 12h00 Concurrent Sessions:**

***Track 1: Basic scientists workshop***

- ***Basic intro to EBCP workshop***
- ***Critical appraisal of an animal study***

**Facilitator: Susan Bowles PharmD; Dalhousie University**

***Track 2: Basic clinical practice faculty workshop***

- *Basic intro to EBCP workshop*
- *Critical appraisal of a pharmacy practice study*

**Facilitators:**

**Scott Simpson, BSP, PharmD MSc; Institute of Health Economics**

**Glen J. Pearson, BScPhm, PharmD, FCSHP; University of Alberta**

***Track 3: Large group presentation***

- *EB teaching: Canadian update*
- *Invited speakers from selected schools of pharmacy asked to provide an overview of EB teaching in their school.*
- *Panel discussion*

**Speakers:**

**Daniel Thirion BPharm MSc PharmD BCPS, Université de Montréal**

**David Gardner PharmD; Dalhousie University**

**Moderator:**

**Marie-Claude Vanier; B.Pharm., M.Sc., Université de Montréal**

**12h00**

**AFPC New Council Business Meeting**

## BIOGRAPHIES AND ABSTRACTS OF PRESENTERS



“Looking at the ethics of technology and gene therapy for a new Millenium”

### **Bartha Maria Knoppers**

BARTHA MARIA KNOPPERS, Canada Research Chair in Law and Medicine, is Professor at the Faculté de droit, Université de Montréal, Senior Researcher (C.R.D.P.) and Counsel to the firm of Borden Ladner Gervais. She is a graduate of McMaster University, (B.A.), University of Alberta (M.A.), McGill University (LL.B., B.C.L.), Cambridge University, U.K., (D.L.S.), Sorbonne (Paris I) (Phd.) and was admitted to the Bar of Quebec in 1985.

Currently, Chair of the International Ethics Committee of the Human Genome Organization (HUGO), she was a member of the International Bioethics Committee of the United Nations, Educational, Scientific and Cultural Organization (UNESCO) which drafted the *Universal Declaration on the Human Genome and Human Rights* (1993-97). She is Co-Founder of the International Institute of Research in Ethics and Biomedicine (IIREB) and a Co-Director of the Quebec Network of Applied Genetic Medicine (RMGA). In 1999, she became a member of the Canadian Biotechnology Advisory Committee, and in the year 2000 of the Board of Genome Canada and of the Standing Committee on Ethics of the Canadian Institutes of Health Research.

In October 2001 she received a Doctor of Laws *Honoris Causa* from the University of Waterloo and in December 2002 she received a Doctor of Medicine *Honoris Causa* from Université de Paris V (René Descartes). In 2002 was elected *Fellow* of the American Association for the Advancement of Science, named *Officer* of the Order of Canada and received the Queen's Jubilee Medal.

### **STUDENT PROFESSIONALISM: RAISING AWARENESS**

DANA HAMMER, PHD  
ROBERT BEARDSLEY, PHD  
Montreal, Quebec  
May 30, 2003

#### **Abstract**

This interactive workshop will define the various components of student professionalism as well as identify the relevant issues facing pharmacy educators and practitioners. The relationships between professional attitudes, beliefs and behaviors to professionalism will be explored along with the possible causes of unprofessional behavior. Attendees will discuss past strategies that have or have not worked to enhance professionalism. Participants will work through actual cases involving professionalism in pharmacy practice and education. They will develop new strategies to enhance professionalism identifying barriers and facilitators to this important process. In addition, participants will design valid assessments to measure the success of these new approaches.



**Robert S. Beardsley, Ph.D.**, is Associate Dean for Student Affairs and is Professor of Pharmacy Practice and Science in the School of Pharmacy, University of Maryland, Baltimore. Dr. Beardsley received a B.S. in Pharmacy from Oregon State University in 1972, and a M.S. and Ph.D. in Pharmacy Administration from the University of Minnesota in 1974 and 1977 respectively.

Dr. Beardsley teaches a graduate course entitled, “Social and Behavioral Aspects of Pharmacy Practice” and three electives in the Doctor of Pharmacy program, “Effective Leadership and Advocacy,” “Care of the Terminally Ill” and “Patient Counseling.” He is currently advising two Ph.D. students; eight graduate students have received their PhD degrees under his direction. He is co-author of a communication textbook entitled Communication Skills in Pharmacy Practice, now in its 4<sup>th</sup> edition. He has over 95 manuscripts and abstracts and over \$1 million in funded research. Dr. Beardsley was selected as Outstanding Teacher of the Year by three graduating classes for the School of Pharmacy.

Dr. Beardsley currently serves as chair-elect of the Council of Deans for the American Association of Colleges of Pharmacy and serves on the association’s Board of Directors. In the past, he has co-chaired of the APhA-AACP Task Force on Professionalism.



**Dana Hammer**, is the Director of the Bracken Pharmaceutical Care Learning Center and the UW Community/Ambulatory Pharmacy Residency Program for the University of Washington School of Pharmacy. Dr. Hammer received her B.S. in pharmacy from Oregon State University, worked for two years in hospital and community independent pharmacies, then returned to school to earn her Masters and Ph.D. degrees from Purdue University School of Pharmacy. In her graduate coursework, Dr. Hammer focused on education, sociology and psychology as they relate to pharmacy and other health professions’ educational needs. Her research involves assessment of students’ educational outcomes and professional development. At UW, Dr. Hammer serves on a number of education-related committees as well as on a health sciences schools’ interprofessional curriculum and professionalism steering committee. She has served as a faculty member for two AACP Institutes and has presented faculty development workshops on student assessment, professionalism and active learning techniques to faculty at several pharmacy schools and national conferences. She also serves on the editorial boards of the Journal of Pharmacy Teaching and the Journal of the American Pharmacists Association. Dr. Hammer has won several awards for teaching, innovations in teaching and education, and educational research

### **Bruce A. Berger, PhD, “Promoting Civility in Pharmacy Education”**

**Content Description:** The emotional impact of incivilities can be disruptive and devastating to students and faculty. Incivilities in and out of the classroom affect not only the faculty member’s self-esteem and self-efficacy, but also can erode a faculty member’s sense of trust and safety in an educational setting. Incivilities can cause professors to: lose self-esteem and self-confidence in their

teaching, lose self-confidence in their research efforts, abandon teaching, become indifferent in the classroom, and fear for their safety (the research shows that this is especially true for female faculty). Faculty often struggle with inappropriate behavior on the part of students in and out of the classroom. Often, their inability to confidently handle the situation discourages them from teaching and staying in academia.

**Purpose:** The primary purpose of the workshop will be to teach faculty how to prevent incivilities, how to respond to incivilities, how to set appropriate boundaries with students, and how to follow appropriate steps/procedures when incivilities occur.



**Bruce A. Berger, Ph.D., R.Ph.** is Professor and Head of the department of Pharmacy Care Systems at Auburn University. He was awarded an Alumni Professorship in 1996 outstanding teaching, research, and service at Auburn University. He was born in Cleveland, Ohio. Bruce received his BS in Pharmacy from The Ohio State University. After practicing pharmacy for two years he returned to Ohio State and received his Masters and Ph.D. in social and behavioral pharmacy. He taught at Ohio State before moving to West Virginia University in January 1980. After two years at WVU, Bruce moved to Auburn University and has been there since.

His research interests include interpersonal and organizational communication and psychology, and application of these disciplines to the pharmacist's role in *treatment adherence and treatment outcomes*. He is also interested in developing new service roles for the pharmacist. He has written or presented over 500 papers or seminars on these topics. Specifically, Dr. Berger has conducted workshops on leadership, interpersonal effectiveness, managing angry or difficult people, managing change, strategies for improving treatment adherence, and managing resistance to change. He has attracted over two million dollars in funding to support his research and has been a project leader in a reengineering project of a major U.S. drug chain.

He is the recipient of the Johnson & Johnson Award, the Lyman Award and the first American Association of Colleges of Pharmacy's Award of Excellence for his research. He is the 2001 recipient of the Jack L. Beal Post baccalaureate Alumni Award from the Ohio State University.

Bruce has a regular column in *US Pharmacist*.

In October of 1997 Bruce was named by *American Druggist* magazine one of the 50 most influential people in U.S. pharmacy.

### Zubin Austin BScPhm, MBA, MIS, PhD, “**Academic Honesty and Dishonesty in Canadian Pharmacy: Results of a Pilot Study**”

The hallmark of professionalism is an underlying ethic of honesty - the public expects professionals to behave with integrity. The development of attitudinal dispositions towards honest behaviour are the subject of debate, especially in the context of health professions. Some have argued that professional socialization occurring during formal, university-based education lays the foundations for attitudes and behaviours related to honesty. If so, this may be of concern to professionals, academics and the public at large if one considers studies throughout the world indicating large (and growing) numbers of university students participating in acts of academic dishonesty.

Within the context of pharmacy education and practice, issues of academic honesty and dishonesty are not extensively discussed, despite certain long-standing traditions. For example, the practice of "big brother/big sister" in many Canadian schools of pharmacy sets the stage for the passing down of laboratory workbooks, old exams and assignments from one

class to another, in the context of professional socialization. In an effort to understand the dimensions of this issue, and the ways in which academic dishonesty may affect professional practice, a pilot study was undertaken at the University of Toronto to identify students' attitudes towards and behaviours regarding academic honesty. In this presentation, results from this study will be discussed and placed in a developmental and socialization framework.



Zubin Austin BScPhm, MBA, MIS, PhD is a pharmacist, and an Assistant Professor, Leslie Dan Faculty of Pharmacy, University of Toronto with research interests in the area of pharmacy education. He is a recipient of the AFPC Bristol Myers-Squibb Excellence in Education Award.

## “The impact of information and communication technology on learning and achievement in higher education”

*Thierry Karsenti, M.A., M.Ed., Ph.D.*

*Canada Research Chair in Information and Communication Technology (ICT) in Education*

*Professor, Faculty of Education, Université de Montréal (Québec, Canada)*

The purpose of this presentation is to outline what we know about the impact of information and communication technology on learning and achievement in higher education. There is strong debate taking place in North America in which some argue that ICTs do not impact on students' learning and achievement, whereas others suggest that technology is a panacea for the challenges university professors and instructors are faced with when teaching. Though research on the impact of ICTs in higher education is still in its infancy, I strongly believe that both these views place too much emphasis on technology. What is most important – and more and more solid work and rigorous research results emerge to support this view – is how ICTs are integrated to improve or facilitate teaching and learning.



**Thierry Karsenti, M.A., M.Ed., Ph.D.** est titulaire de la Chaire de recherche du Canada sur les technologies de l'information et de la communication (TIC) en éducation. Il est également professeur agrégé à l'Université de Montréal où il occupe un poste en intégration des technologies de l'information et de la communication dans la formation des maîtres. Ses réalisations et innovations technopédagogiques ont été reconnues tant sur le plan provincial que national. Il a ainsi obtenu le premier prix au concours du **Prix du ministre de l'Éducation** (1998-1999 et 1999-2000), le **Prix Hommage 2001** du Gouvernement du Québec avec une équipe de l'Université du Québec à Hull, le **Prix d'Excellence en Conception Pédagogique** de l'Association Canadienne d'Éducation à distance (2000), le **Prix PEDAGOGICA-RESCOL** pour l'innovation pédagogique en intégration des TIC (2000). Notons aussi qu'en octobre 2000, il s'est mérité le **Prix quinquennal d'Excellence en enseignement**. Il se distingue également par la contribution de ses activités de recherche à la qualité de la pédagogie universitaire. Ses intérêts de recherche portent sur l'intégration pédagogique des nouvelles technologies, les pratiques pédagogiques des enseignants, et la motivation.

Thierry Karsenti is the Canada Research Chair holder on information and communication technologies (ICTs) in education. He is also a professor at *Université de Montréal*, in the field of information and communication technologies and their integration in teacher training. His technopedagogical achievements and innovations have been recognized at both the provincial and national

levels. He was awarded first place in the *Prix du ministre de l'Éducation* contest (1998-1999 et 1999-2000), and along with a team from *Université du Québec à Hull*, received the *Prix Hommage 2001* from the Quebec government. As well, he was awarded the *Prix d'Excellence en Conception Pédagogique* by the Canadian Association of Distance Education (2000) and the *Prix PEDAGOGICA-RESCOL* for pedagogical innovation in the integration of ICTs (2000). In October 2000, he won the *Prix quinquennal d'Excellence en enseignement*. He has also been recognized for his contributions, through research activities, to the quality of university pedagogy. His research interests center upon the pedagogical integration of new technologies, teaching practices and motivation.

## **“Applying Technology to Teaching and Learning: Experiences from Shenandoah University School of Pharmacy”**

Evan T. Robinson, R.Ph., Ph.D., Shenandoah University School of Pharmacy

The School of Pharmacy at Shenandoah University opened in 1996 and the first class to graduate was the class of 2000. From the beginning the intent was to integrate technology into the teaching and learning experiences within the School of Pharmacy. This presentation will cover what has been accomplished, what has changed, and some of the lessons learned from which other programs could benefit.



Evan T. Robinson is currently the Director of Technology in Education at Shenandoah University School of Pharmacy. He received his B.S. degree in Pharmacy and M.S. in Pharmacy Administration from St. Louis College of Pharmacy. He received his Ph.D. in Pharmacy Administration from Auburn University, the Department of Pharmacy Care Systems.

Evan assumed the role of Director of the Division of Technology on Education at Shenandoah University School of Pharmacy in January 1998. Since joining Shenandoah University his responsibilities have included: overseeing an Internet-based non-traditional doctor of pharmacy program started in September 1998 with a steady-state enrollment of 120 students and 175 graduates; evaluating onsite and offsite applications of technology for teaching and learning; the development and administration of certificate and continuing pharmaceutical education programs and; teaching within the school of pharmacy.

***Please note that the presentations for many of the speakers can be found on the AFPC web page at <http://afpc.info/news/abstracts.html> .***

## MAJOR AWARD WINNERS, 2003

**AFPC/Janssen-Ortho Pharmaceutical Research Award, Dr. Edward E. Knaus, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta.**



Dr. Knaus is a Professor in the Faculty of Pharmacy and Pharmaceutical Sciences at the University of Alberta. His research interests are in the design, synthesis and pharmacological evaluation of heterocyclic compounds for use as COX-2 inhibitors, and calcium channel agonists and antagonists. He also collaborates in a study to synthesize and evaluate non-invasive diagnostic agents in cancer and potential therapeutic agents for oncology and virology. He has more than 300 peer-reviewed publications and more than 65 postdoctoral fellows and graduate students have benefited from his training. Dr. Knaus was a winner of this award in 1986 and to win this award again is testament to his continuing excellence in research in the pharmaceutical sciences.

**AFPC/AstraZeneca New Investigator Research Award, Jean-Christophe Leroux, Faculté de Pharmacie, Université de Montréal.**



Dr Jean Christophe Leroux is Associate Professor in the Faculty of Pharmacy of the Université de Montréal and in 2001 was awarded a prestigious Canada Research Chair in Controlled Delivery. Dr. Leroux's research expertise is to develop pH and temperature sensitive dosage forms for targeted drug delivery. Polymeric micelles, liposomes, hydrogels and cationic polymeric micelles are intended for the delivery of lipophilic anticancer drugs and macromolecular compounds including genetic materials. More than 20 graduate students and postdoctoral fellows have worked under his supervision and major publications number more than 45.

**AFPC/GlaxoSmithKline Graduate Student Research Award, Huy H. Dao, Faculté de Pharmacie, Université de Montréal.**



Huy Hao Dao is a PhD student in the Faculty of Pharmacy, of the Université de Montréal. His supervisor is Associate Professor, Dr. Pierre Moreau. The title of his presentation was “Pharmacological prevention and regression of arterial remodeling in a rat model of isolated systolic hypertension”. A portion of this work appeared in the Journal of Hypertension, 2002, **20**: 1597-1606.

**AFPC/Bristol-Myers Squibb National Award for Excellence in Education, Simon Albon, Faculty of Pharmaceutical Sciences, University of British Columbia.**



Simon Albon is a Senior Instructor in the Faculty of Pharmaceutical Sciences of the University of British Columbia. Simon’s research interests include development of progressive learning strategies, teaching tools and the measurement of educational outcomes. Areas of focus have been in learning technologies, peer teaching, and teaching support groups. Highlights of his accomplishments include computer-assisted instruction modules and web course materials for a lecture/laboratory course in pharmaceutical analysis. Current efforts focus on a web-based learning center for the Faculty and hybrid media resources. Simon has been recognized by the University of British Columbia with several major awards for his efforts in teaching and student development.

**Please note that other pictures of award winners and banquet events can be found on the AFPC web page at < <http://afpc.info/photogallery/index.html> > and a complete list of award winners can be found in the report of the AFPC awards committee for 2003.**